AGENDA

Executive Session 4:00 PM | Work Session 4:30 PM | Town Council Meeting 5:30 PM

Wednesday, July 17, 2024

Town Hall / Council Chambers - 302 Pine St Minturn, CO

The agenda is subject to change, including the addition of items 24 hours in advance or the deletion of items at any time. The order of agenda items listed are approximate.
This agenda and meetings can be viewed at www.minturn.org.

MEETING ACCESS INFORMATION AND PUBLIC PARTICIPATION:

This will be an in-person meeting with access for the public to attend in person or via the Zoom link included. Zoom Link: https://us02web.zoom.us/j/82313295933

Zoom Call-In Information: 1 651 372 8299 or 1 301 715 8592 **Webinar ID:** 823 1329 5933

Please note: All virtual participants are muted. In order to be called upon an unmuted, you will need to use the "raise hand" feature in the Zoom platform. When it's your turn to speak, the moderator will unmute your line and you will have five (5) minutes for public comment.

Public Comments: If you are unable to attend, public comments regarding any items on the agenda can be submitted to Jay Brunvand, Town Clerk, prior to the meeting and will be included as part of the record.

1. CALL TO ORDER

2. ROLL CALL AND PLEDGE OF ALLEGIANCE

3. EXECUTIVE SESSION (4:00 PM)

A. An Executive Session pursuant to CRS Section 24-6-402(4)(b) for the purposes of consulting with the attorney to receive legal advice on legal questions related to the following matters:

Update on Case No. 21CW3030 and Strategy.

4. WORK SESSION (4:30 PM)

A work session for the Council and Historic Preservation Commission to review and discuss Chapter 19 of the Minturn Municipal Code (Historic Preservation). Work sessions are limited to discussion between the participating boards. The public is welcome to attend for viewing purposes.

A. Historic Preservation Policy Review

5. APPROVAL OF CONSENT AGENDA

Consent agenda items are routine Town business, items that have received clear direction previously from the council, final land-use file documents after the public hearing has been closed, or which do not require council deliberation.

A. 06-19-2024 Minutes

B. 0030 Silver Star Trail - New Single Family Residence

C. 0003 Miles End Lane - New Single Family Residence

D. 0043 Miles End Lane - New Single Family Residence

E. 0186 Miles End Lane - New Single Family Residence

F. Resolution 31 - Series 2024 A Resolution Opting into the National Opioid Settlement: Kroger Co.

G. Resolution 32 - Series 2024 A Resolution Supporting a Department of Local Affairs Grant Application for the Repair of the Retaining Wall at Little Beach Park

H. Resolution 33 - Series 2024 A Resolution Approving a Contract with Stolfus Engineering for the Facilitation of the Safe Streets for All (SS4A) Grant Award

I. Amended Resolution 28 - Series 2024 A Resolution Approving a Temporary Use Permit for the Town of Minturn at 171 Main Street and 191 Main Street

6. APPROVAL OF REGULAR AGENDA

Opportunity for amendment or deletions to the agenda.

7. DECLARATION OF CONFLICTS OF INTEREST

8. PUBLIC COMMENT

Citizens are invited to comment on any item on the Consent Agenda, or not on the regular Agenda subject to a public hearing. Please limit your comments to five (5) minutes per person unless arrangements have been made for a presentation with the Town Clerk. Those who are speaking are requested to state their name and address for the record.

9. COUNCIL COMMENTS & COMMITTEE REPORTS

10. STAFF REPORTS

A. Introduction - Kevin Rindy, Minturn Building Permit Specialist & Code Compliance

11. SPECIAL PRESENTATIONS

Presentations are limited to 5 minutes. Invited presentations are limited to 10 minutes if prior arrangements are made with the Town Clerk.

12. BUSINESS ITEMS

Items and/or Public Hearings listed under Business Items may be old or new and may require review or action by the Council.

A. Resolution 34 - Series 2024 A Resolution Adopting the Eagle County Hazard Mitigation Plan

B. Resolution 35 - Series 2024 A Resolution Adopting the Eagle River Community Water Plan

C. Resolution 36 - Series 2024 A Resolution to Approve the PRV Meter House Improvements

D. Resolution 37 - Series 2024 A Resolution Appointing Historic Preservation Commission Members

E. Resolution 38 - Series 2024 A Resolution Approving a Contract with Ewing Construction for the Extension of the ECO Trail into Minturn

F. Ordinance 17 - Series 2024 (First Reading) An Ordinance Approving a Short-Term Rental Tax Ballot Question for the November 5, 2024, General Election

G. Ordinance 18 - Series 2024 An Ordinance Approving a Downtown Development Authority Ballot Question for the November 5, 2024, General Election

H. Resolution 39 - Series 2024 A Resolution for Minturn North PUD to Request Exemption from Sec. 16-17-110. - Underground utilities

I. Resolution 40 - Series 2024 A Resolution Approving the Extension of the Battle Mountain Settlement Approvals Period

13. DISCUSSION / DIRECTION ITEMS

A. MMC Chapter 19 Historic Preservation

14. FUTURE AGENDA ITEMS

A. Future Meeting Agenda Items

15. ADJOURN

INFORMATIONAL ONLY ITEMS

Upcoming Council Meetings & Events:

-- August 6, 2024 National Night Out

-- August 7, 2024

-- August 21, 2024

-- September 2, 2024 Labor Day - Town Hall Closed

-- September 4, 2024

To: Mayor and Town Council
From: Michelle Metteer
Date: July 17, 2024
Agenda Item: Historic Preservation Work Session

REQUEST:
Council and HPC to review and consider a variety of options to find value in both economic viability and the maintaining of the historic character of Minturn's downtown block. Council to provide direction to staff during the Discussion/Direction portion of the regular.

INTRODUCTION:
Clarity is needed regarding the town's historic preservation policy and its impacts on stakeholders. Impacts Include but are not limited to property valuation, downtown vitality, economic viability, construction timelines associated with historic preservation approvals.

The historic preservation policy was initiated after the public sought a process whereby a property owner would not be allowed to demolish certain structures within town. When the policy was originally implemented it was understood the historic preservation code would be a "work in progress" and require additional modifications to best suit the needs of the community. Staff now seeks direction from the Council regarding potential modifications to the historic preservation code to ensure both economic vitality and community history can be simultaneously valued and achieved in Minturn's downtown core.

ANALYSIS:
The Town is seeking ways to simplify the Historic Preservation code, find flexibility in the desire to allow property owners of historically designated structures to do more with their structures with fewer processes. The community has expressed a desire to maintain a human-scale in the downtown area which supports many of Minturn's older structures, but to make these structures viable in today's economic market, Minturn looks to consider implementation of options which provide flexibility on how historic structure property owners may utilize their properties.

COMMUNITY INPUT: Extensive including community surveys and plans. The community is encouraged to comment during the Discussion/Direction portion of the regular Council meeting.

BUDGET / STAFF IMPACT: Unknown

STRATEGIC PLAN ALIGNMENT: In accordance with Strategy #4 the Town will advance decisions/projects/initiatives that expand future opportunity and viability for Minturn.

RECOMMENDED ACTION OR PROPOSED MOTION: Provide direction to staff during the Discussion/Direction portion of the regular meeting for modifications to the historic preservation policy.

Attachments:

- Work Session Presentation
- Council Member Rodine comments

VALUING HISTORIC PRESERVATION & ECONOMIC VIABILITY

Williams Motel, Gambles Store and Drug Store, from Main St.

Photo Courtesy of Darell Wegert

Original Eagle River Hotel
Photo Courtesy of Eagle Valley Library District

OPTION 1

Eliminate the requirement for two sets of design review guidelines.

OPTION 2

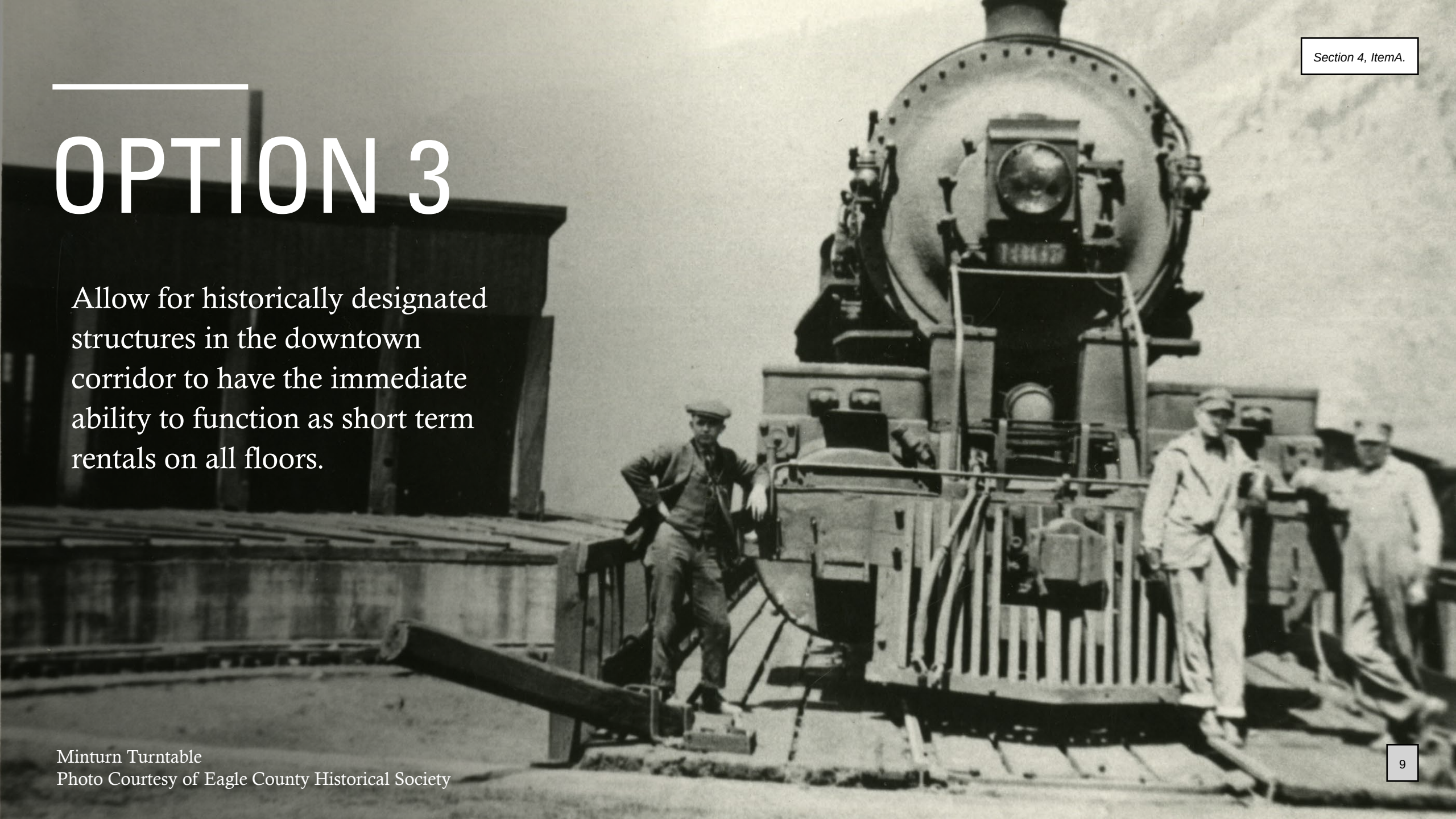
Eliminating potentially redundant approval requirements.

Denver & Rio Grande Railroad YMCA (now the International Trade Building)

Photo Courtesy of Eagle Valley Library District

OPTION 3

Allow for historically designated structures in the downtown corridor to have the immediate ability to function as short term rentals on all floors.



Minturn Turntable
Photo Courtesy of Eagle County Historical Society

OPTION 4

Encourage historic preservation reinvestment as part of the Downtown Development Authority Operations Plan.

Minturn Store, 1900
Photo Courtesy of Eagle Valley Library District

Require a minimum of two nominators for a structure to be nominated for historic designation?

OPTION 5

St. Patrick's Chapel / Main S
Photo Courtesy of Eagle County Historical Societ

OPTION 6

Create a process whereby property owners can determine if their structure would be historically designated without necessarily "supporting" such a designation.

Minturn Post Office, 1940s
Photo Courtesy of Eagle Valley Library Distri

OPTION 7

Allow residential in the Downtown Character Area on the back 50% ground floor of historically designated commercial buildings to create live/work opportunities.

Williams Café & Bar (now Magustos)
Photo Courtesy of Eagle Valley Library District

OPTION 8

Waive construction use tax for all reinvestment of historically designated commercial buildings to support reinvestment?

Construction of the Minturn Turntable
Photo Courtesy of Eagle Valley Library District

OPTION 9

Allow for residential use of historically designated buildings in the 100-Block Character Area.

Minturn Mercantile (Now the Country Club)
Photo Courtesy Curious Nature, Vail Daily

ADDITIONAL OPTIONS FOR CONSIDERATION?

Prepare to provide direction to staff in the Discussion/Direction portion of the Council meeting.

From: Brian Rodine
To: Michelle Metteer; Madison Harris
Subject: Re: July 17th Work Session
Date: Tuesday, July 9, 2024 12:22:44 PM

Here are my thoughts and suggestions. This is too complicated of a topic to really do it justice in a short comment section at a meeting (typical), so I'd love this to get sent to all of council and PC prior to meeting, but if that's not possible, I could read it all into the record at once. I'll be on the East Coast so that won't be a very fun Zoom experience for anyone.

I see the HPC as a symptom of unclear building code and community plan priorities, just like speed limit signs are a symptom of poor street design. Ideally you don't need either. **However, the root of the current issues seems to be that a HPC designation is viewed as harmful to property owners. It should be beneficial.**

Why does it seem like historic "preservation" and downtown economic viability are currently opposed?

1. Residents are worried about large scale cookie cutter redevelopment of the downtown core, a valid concern that was spurred on by the acquisition of contiguous parcels by one developer (who, luckily, is now selling to individual, mostly local new owners) and needs to be addressed/prevented in updated code
2. Residents, in response to the last point, seem to be broadly in favor of a concept of "historical preservation" but don't really seem to know what that technically means or how it is currently approached by the committee/ town code. It seems like a short sighted attempt to fight high real estate values (leading to empty storefronts) and in reaction to a general fear of change. *Town should welcome change and guide it to benefit residents.*
3. Lack of clarity around nomination status and allowed use/development of property is impacting sale and redevelopment which is in danger of hollowing out the town core with closed/empty store fronts. *How can we make a historical designation something that property owners/potential buyers want and value?*

While many solutions to these problems don't specifically apply to the HPC, here are 3 ways how to address the above problems within the realm of the HPC and HP codes, followed by my notes on the staff balance options below.

1. **"Ship of Theseus Provision"**

Update the HPC code to acknowledge that historical value doesn't just mean the exact materials and physical make up of a structure; it includes use, memory, and tradition. If a building is designated, it should be allowable that the owner can present plans to scrape/rebuild with continuity of look/feel/community use in mind. Without this ability, I am opposed to historical "preservation" designations in general in our town - we aren't dealing with Roman masonry built to withstand centuries, our community sprung from the ground with sticks on fieldstone and was done as cheaply and quickly as possible.

2. **Update code to disallow/discourage/add hurdles to multi-lot, PUD style downtown development but allow more creativity and flexibility in single lot decisions**

This gets at the basic fact that Minturn has a certain quality, aliveness, heart, feel, that directly results from the overwhelming lack of large PUD Riverwalk Strip Mall development. Towns that have character have been built and evolved piece by piece throughout the years by different owners for different uses at different times resulting in a built environment that feels unique compared to typical post war suburban and resort America but is common to towns and cities built before the 1930's.

3. **Alter scope of/rename HPC**

In order to increase recognition and appreciation of its efforts, and move away from the focus on "Preservation", the HPC (rename to Historical Appreciation Commitee?) could expand scope to be in charge of things like a local version of "https://www.wearechaffee.org/", wayfinding/signage/interpretive experiences for locals and guests, and continuing/building community traditions (barstool racing, 4th of

July costume float, snowmobile-joring, etc). They should act as town archivists, ensuring that Minturn's history and stories aren't lost as the older generations move on and serve as a resource for business and property owners who want to include and contribute to the community and our traditions.

My views on the options outlined by staff in yellow

Options for finding a harmonious balance between historic preservation and Downtown economic viability:

- **Option 1**: Eliminate the requirement for two sets of design review guidelines
  - Right now, the HPC follows the Secretary of the Interiors Design Review guidelines for historic structures. These guidelines total over 200+ pages of rules. Staff proposes to eliminate the use of these guidelines and only utilize Minturn's design guidelines.
  - This seems like a no brainer
- **Option 2:** Eliminate potentially redundant approval requirements
  - Examples of this would be to:
    - Allow alterations on the back portion of a historic structure without requiring HPC approvals (would still go through Planning Commission)
    - Allow demolitions on the back portion of a historic structure without requiring HPC approvals for remodeling and/or additions (would still go through Planning Commission)
    - As I noted in #1 above, I believe we should expand what is possible under a historical designation to reflect that you can pay homage to the spirit and use of a structure even if it's been torn down/rebuilt in modified format.
- **Option 3:** Allow for historically designated structures in the downtown corridor to have the immediate ability to function as short term rentals on all floors
    - I'd be in support of this combined with a moratorium on new STR licenses in other parts of town while we come up with a comprehensive plan, and providing they pass all the STR requirements (on site parking, property manager contact). I don't see this being a popular long term option on current 1 story structures due to high real estate values and the cost required to renovate these old structures to provide a high end STR experience.
- **Option 4:** Encourage historic preservation reinvestment as part of the Downtown Development Authority Operations Plan
    - I think there are better uses for this funding (public space improvements, wayfinding, etc) but if the DDA members decide that's the best way to spend funds, then that's their call at that point.
- **Option 5:** Require a minimum of two nominators for a structure to be nominated for historic designation
    - I am not understanding what is being addressed here - is it to prevent properties from being designated willy nilly? The goal should be that property owners are excited to get nominated for the benefits it brings. How can we accomplish that?
- **Option 6:** Create a process whereby property owners can determine if their structure would be historically designated without the property owner necessarily "supporting" such a designation
    - This seems like a good idea, an application to waive future designations - but I would much rather expand the options available under "historical designation" to encourage designations rather than discourage.
- **Option 7:** Allow residential in the Downtown Character Area on the back portion of the ground floor of historically designated commercial buildings to create live/work opportunities
    - Is this not allowed? That is surprising. We should be encouraging creative and beneficial uses of space in the downtown core that serve residents and business use as indicated above.
- **Option 8:** Waive construction use tax for all historically designated commercial buildings to support reinvestment
    - This would align with the aim of making a historical nomination beneficial to property

owners

Brian Rodine, Council Member
310-334-9990
Brodine@minturn.org

I do my best to check this email account multiple times per week. Apologies for any delays in responding. If you need an urgent reply, please contact me via text message!

From: Michelle Metteer <manager@minturn.org>
Sent: Friday, June 28, 2024 2:57 PM
To: Madison Harris <planner1@minturn.org>
Subject: July 17th Work Session

Hello Minturn Town Council & Historic Preservation Commission,

We have a joint work session scheduled for July 17th in the Council Chambers at 4:30 pm. I want to ensure everyone is familiar with the process of a work session. Here is the basic outline:

- A light dinner of sandwiches or pizza will be served – please arrive early to plate up as we will start the work session promptly at 4:30 pm.
- The goal is for an organized discussion between the two boards and staff only (public can view the work session but does NOT participate).
- The public will have the opportunity to provide input during the Discussion/Direction portion of the Regular meeting.
- The outcome of a work session is to be prepared to make decisions and providing direction to staff during the public Discussion/Direction portion of the regular Council meeting.
- Once staff has direction (provided during public session only) we can come back with an Ordinance for consideration.

For the work session, staff will bring forward a series of options on possibilities for balancing historic preservation with economic viability in the Downtown 100-block. We are looking for win-win situations that result in increased vibrancy, utilized structures, and revenue generation while maintaining the Downtown's human-scale and historic characteristics. We need you all to come prepared for this discussion, so this email serves to provide extra time to think through the merits of the following options for finding the above-mentioned balance:

Options for finding a harmonious balance between historic preservation and Downtown economic viability:

- **Option 1**: Eliminate the requirement for two sets of design review guidelines
    - Right now, the HPC follows the Secretary of the Interiors Design Review guidelines for

historic structures. These guidelines total over 200+ pages of rules. Staff proposes to eliminate the use of these guidelines and only utilize Minturn's design guidelines.

- **Option 2:** Eliminate potentially redundant approval requirements
    - Examples of this would be to:
        - Allow alterations on the back portion of a historic structure without requiring HPC approvals (would still go through Planning Commission)
        - Allow demolitions on the back portion of a historic structure without requiring HPC approvals for remodeling and/or additions (would still go through Planning Commission)
- **Option 3:** Allow for historically designated structures in the downtown corridor to have the immediate ability to function as short term rentals on all floors
- **Option 4:** Encourage historic preservation reinvestment as part of the Downtown Development Authority Operations Plan
- **Option 5:** Require a minimum of two nominators for a structure to be nominated for historic designation
- **Option 6:** Create a process whereby property owners can determine if their structure would be historically designated without the property owner necessarily "supporting" such a designation
- **Option 7:** Allow residential in the Downtown Character Area on the back portion of the ground floor of historically designated commercial buildings to create live/work opportunities
- **Option 8:** Waive construction use tax for all historically designated commercial buildings to support reinvestment

Feel free to email me independently with questions or feedback.

Michelle Metteer
Town Manager
Minturn, Colorado

OFFICIAL MINUTES

Executive Session 4:30 PM | Work Session 5:00 PM | Town Council Regular Meeting 5:30 PM

Wednesday, June 19, 2024

Town Hall / Council Chambers - 302 Pine St Minturn, CO

The agenda is subject to change, including the addition of items 24 hours in advance or the deletion of items at any time. The order of agenda items listed are approximate.
This agenda and meetings can be viewed at www.minturn.org.

MEETING ACCESS INFORMATION AND PUBLIC PARTICIPATION:

This will be an in-person meeting with access for the public to attend in person or via the Zoom link included. Zoom Link: https://us02web.zoom.us/j/81428964731

Zoom Call-In Information: 1 651 372 8299 or 1 301 715 8592 **Webinar ID:** 814 2896 4731

Please note: All virtual participants are muted. In order to be called upon an unmuted, you will need to use the "raise hand" feature in the Zoom platform. When it's your turn to speak, the moderator will unmute your line and you will have five (5) minutes for public comment.

Public Comments: If you are unable to attend, public comments regarding any items on the agenda can be submitted to Jay Brunvand, Town Clerk, prior to the meeting and will be included as part of the record.

1. CALL TO ORDER

Mayor Pro Tem Eric G. called the meeting to order at 4:30pm.

2. ROLL CALL AND PLEDGE OF ALLEGIANCE

Council present Mayor Earle Bidez (zoom), Mayor Pro Eric Gotthelf, Town Council members Lynn Feiger, Gusty Kanakis, Tom Priest, and Brian Rodine. Note: Kate Schifani was excused absent.

Staff present: Town Attorney Mike Sawyer, Events Coordinator Cindy Krieg, Town Planner Madison Harris, and Town Clerk Jay Brunvand (zoom).

Note: because Earle B. was attending by zoom, Mayor Pro Tem Eric G. officiated the meeting.

3. EXECUTIVE SESSION (4:30 PM)

Council present Mayor Earle Bidez (zoom), Mayor Pro Eric Gotthelf, Town Council members Lynn Feiger, Gusty Kanakis, Tom Priest, and Brian Rodine. Note: Kate Schifani was excused absent.

Staff present: Town Attorney Mike Sawyer and Rob Marsh.

A. An Executive Session pursuant to CRS Section 24-6-402(4)(b) for the purposes of consulting with the attorney to receive legal advice on legal questions related to the following matters:

1. Town Legal opposition to Ford v. Baldauf, Case No. 24CV30046, Quiet Title to bed of Eagle River

Motion by Gusty K., second by Brian R., to convene in executive session pursuant to CRS Section 24-6-402(4)(b) for the purposes of consulting with the attorney to receive legal advice on legal questions related to the following matters: Town Legal opposition to Ford v. Baldauf, Case No. 24CV30046, Quiet Title to bed of Eagle River as presented. Motion passed 7-0.

Council convened from Executive Session at 5pm, recessed the meeting, and convened in a work session.

NOTE: Work Sessions are public but not recorded.

4. WORK SESSION (5:00 PM)

A. Council Ethics Training

Mike S. conducted the ethics training. Those in attendance were the council present and staff present for roll call.

The council convened in regular session at 5:32pm.

5. APPROVAL OF CONSENT AGENDA

Consent agenda items are routine Town business, items that have received clear direction previously from the council, final land-use file documents after the public hearing has been closed, or which do not require council deliberation.

A. 06/05/2024 Minutes
B. 1014 Two Elk Lane - Exterior Modifications
C. 0036 Silver Star Trail - New Single-Family Residence
D. 0095 Miles End Lane - New Single-Family Residence

E. 0196 Miles End Lane - New Single-Family Residence
F. Eagle River Coalition Letter of Support
G. *Resolution 30 - Series 2024 Authorizing the Mayor to Sign a Second Amendment to a Settlement Agreement Between Battle Mountain and the Town*

Staff requested the addition of Item G to the consent agenda.

Motion by Gusty K., second by Tom P., to approve the Consent Agenda of June 19, 2024 as amended. Motion passed 6-0. Note: Kate S. was excused absent.

6. APPROVAL OF REGULAR AGENDA
Opportunity for amendment or deletions to the agenda.

Motion by Tom P., second by Gusty K., to approve the Agenda of June 19, 2024 as amended. Motion passed 6-0. Note: Kate S. was excused absent.

7. DECLARATION OF CONFLICTS OF INTEREST

8. PUBLIC COMMENT
Citizens are invited to comment on any item on the Consent Agenda, or not on the regular Agenda subject to a public hearing. Please limit your comments to five (5) minutes per person unless arrangements have been made for a presentation with the Town Clerk. Those who are speaking are requested to state their name and address for the record.

9. COUNCIL COMMENTS & COMMITTEE REPORTS

Gusty K. attended several meetings and updated on them including a DDA and NWCCOG meeting.

Tom P. updated on MFC events.

Lynn F. acknowledged today is Juneteenth.

Brian R. commented on the Minturn North approvals. He noted the copy/paste and felt it would be good to hear feedback from the developers and owners. He asked if staff had seen the HOA documents. Madison H. commented on the review letters going to the applicants that encouraged differentiation. She noted the owners are choosing the colors. Earle B. discussed how color differences between homes could be encouraged and should this be incorporated into the code.

10. STAFF REPORTS

11. SPECIAL PRESENTATIONS
Presentations are limited to 5 minutes. Invited presentations are limited to 10 minutes if prior arrangements are made with the Town Clerk.

12. BUSINESS ITEMS

Items and/or Public Hearings listed under Business Items may be old or new and may require review or action by the Council.

A. Resolution 16 - Series 2024 A Resolution approving the Battle North Service Plan – Sawyer

Mike S. presented Resolution 16 – Series 2024 and stood for questions. Jim Mann was also in attendance to present and noted that this was last discussed in April.

Mike S. reviewed Battle Mtn is proposing four separate Special Districts and how they will work together on development infrastructure and public areas. He noted the bond holders that may purchase bonds within the Special Districts can only find recourse through the mill levy, they cannot go against the town nor any land/property.

Jim Mann commented he felt most of his concerns have been addressed. He noted the debt issue information provided are all based on 2021 market conditions, these are not the same as today. He stated that even if we have one or two interest rate cuts, it will still be in the 6-7.5% debt interest rate. He felt this could cause them to come back with future needs and that this would affect the affordability of the developments' homes. He stated some concerns with the financial matters to include the potential cost of improvements and the cost of money generated to cover those costs.

Earle B. asked for clarification on items. Jim M. stated that once the town creates the special districts, they are restricted on how much they can bond based on the mill levy cap. He stated that they could come back at a future date to request to amend the service plan, or they walk from the project.

In response to Lynn F.'s question, Jim M. stated if they walk from the project, it could affect the condition of the property, i.e. infrastructure items uncompleted, when they walk from the property. He did confirm that there is not a financial obligation or risk to the town.

Mr. Bill Ankele, presented for the developer. He addressed the concerns expressed by saying this is creating a financial mousetrap that creates a mill levy cap and maximum debt structure. He noted that this builds parameters that they can work within and enforcement caps that gives the town the enforcement tools. The parameters reduce the risk for both sides of the issue.

Public Hearing Opened
No Public Comment
Public Hearing Closed

Mike S. noted that this agreement is part of the settlement agreement and some decision should be made. Earle B. stated the risk lays with the applicant, not the town and we should approve it.

Motion by Tom P., second by Gusty K., to approve Resolution 16 – Series 2024 a Resolution approving the Battle North Service plan as presented. Motion passed 6-0. Note: Kate S. was excused absent.

B. Acceptance of the 2023 Fiscal Year Audit – Brunvand

Town Auditor, Joe Hood of Maggard and Hood, was present via zoom to present the findings of the audit. It was noted the audit is required by state law to be conducted annually and that the town is in good standing with a clean audit.

Mr. Hood noted the audit was completed and there are no concerns, we have a clean un-modified audit for the town. The Gen Fund and the Ent Funds both had positive financial growth in 2023 overall.

Earle B. asked if Joe had any concerns. He expressed that he did not.

Motion by Gusty K., second by Tom P., to accept the FY2023 Financial Audit as presented. Motion passed 6-0. Note: Kate S. was excused absent.

C. Ordinance 13 - Series 2024 (Second Reading) Amending Chapter 19 of the Historic Preservation Code to allow for More Posting Places and to Extend the Limitations on Proposed Designations – Harris

Madison H. stated based on comments from Council, as well as examining staff's own process, staff has drafted an ordinance that addresses primarily two items: 1) extending the reconsideration of a proposed designation once denied from 1 year to 5 years, and 2) adding additional posting places like the website and posting boxes as places to alert people so that the process can be more transparent to the public.

The way the Town Code is currently written, once a nomination application is denied, then unless a substantially different application is submitted, no one can nominate that property for one year. Staff has no criteria with which to evaluate whether or not an application is "substantially" different, and also believes that once a nomination is denied, that denial should be valid for a longer time. As such, staff has added a section to encourage people to submit all materials they have once a nomination has been submitted, so that the HPC and Town Council will be able to evaluate the nomination with all supplemental materials. If the nomination is denied then the property cannot be nominated for five years. Staff has also adjusted the posting places in Article 9 to allow for the posting boxes and Town website, as well as added the clause that if no one nominates the property during the initial fourteen day waiting period, then no one can nominate the property for the next five years.

Public Hearing Opened

Lynn Teach, 253 Pine St, commented in support.

Public Hearing Closed

Madison H. expressed the intent is to assure the owner of a property that it can only be nominated only once every five years.

Motion by Tom P., second by Earle B., to approve Ordinance 13 - Series 2024 (Second Reading) Amending Chapter 19 of the Historic Preservation Code to allow for More Posting Places and to Extend the Limitations on Proposed Designations as presented. Motion passed 6-0. Note: Kate S. was excused absent.

D. Ordinance 14 - Series 2024 (Second Reading) An Ordinance Amending the Belden Place PUD Final Plan – Sawyer

Mike S. noted that the next four items are together and reference the same Belden Place project.

Ordinance Nos. 14 and 15, Series 2024 were presented on second reading to the Town Council at their regular meeting of June 19, 2024. Both ordinances have been prepared in consultation with the Town Attorney and both have been reviewed by the Minturn Planning Commission. The Council requested no substantive changes to either ordinance during their review on June 5th. A full staff report explaining the background of the original Belden Place PUD approvals, the Settlement, as well as the proposed minor amendments to the Belden Place PUD Final Plan, the Belden Place PUD Guide document, and the Belden Place PUD Final Plat for Subdivision reviewed. Since the Council's first reading of the ordinances, staff has worked with the applicant to resolve several minor, outstanding issues related to final civil engineering details, final construction cost estimates, and final plat/survey details. A separate resolution associated with approval of the updated final engineering plans, cost estimates, and Subdivision Improvements agreement (including financial surety guarantees) will be presented to Council at its regular meeting of June 19th. Additionally, staff has identified two issues – one associated with the Amended Belden Place Final Plan for PUD (Ordinance No. 14, Series 2024) and one associated with the Amended Belden Place Final Plat (Ordinance No. 15, Series 2024) as described below:

Belden Place Amended Final Plan Upon review of Ordinance No. 14, Series 2024, on first reading, and relative to the Town's recent approval of amendments to the Town of Minturn Inclusionary Housing regulations – lowering the Area Median Income (AMI) threshold for deed restricted, price capped housing units from 200% AMI to 120% AMI – staff realized that the Amended Belden Place PUD Guide Document attached to Ordinance No. 14 still includes provisions within the Belden Place PUD Attainable Housing Program setting the initial sales price for price capped, deed restricted units at 200% AMI. Because the original Belden Place Final Plan for PUD application was filed after the Town's initial adoption of inclusionary housing regulations in 2020 (which, at the time, required 200% AMI restriction), staff recommends that Council can require the PUD Guide (Belden Place PUD Guide Appendix 'A' – Attainable Housing Program) to be amended following or as a condition of approval of Ordinance No. 14 on second reading to be in compliance with the currently adopted AMI rate of 120% for initial sales on deed restricted, price capped units within the PUD as a function of this PUD Final Plan amendment process. This restriction would apply to four (4) multi-family units to be constructed on Lot 7A within the PUD.

Belden Place Final Plat The Town Engineer, Jeff Spanel, Intermountain Engineering, has reviewed the Amended Belden Place Final Plat for consistency with the Town's plat standards

and requirements. Mr. Spanel has suggested one additional, minor revision to the General Notes section of the Amended Final Plat to address and to clarify permitted encroachments of second floor building improvements (for balconies and similar projections). Here is the suggested additional language to be added to the plat, General Note No. 5, IV:

"Second story overhang features must be a minimum of 8 feet above the ground surface."

Staff is recommending a condition of approval with the second reading of Ordinance No. 15, Series 2024 to address this recommendation by the Town Engineer. The Applicant has agreed to add this language to the plat prior to recording of the plat.

The attorney representing the applicant, presented and then stood for questions.

Discussion ensued as to deed restrictions and affordability of units. Mike S. noted that the applicant will need to be in compliance with the PUD once that is approved which will include this concern, we are not at that point yet. Concern was expressed that as interest rates increase the number of lower income buyers has reduced.

Public Hearing Opened
No Public Comment
Public Hearing Closed

Motion by Gusty K., second by Lynn F., to approve Ordinance 14 - Series 2024 (Second Reading) An Ordinance Amending the Belden Place PUD Final Plan as presented. Motion passed 6-0. Note: Kate S. was excused absent.

E. Ordinance 15 - Series 2024 (Second Reading) An Ordinance Amending the Belden Place PUD Final Plat – Sawyer

Mike S. stood for questions.

Public Hearing Opened
No Public Comment
Public Hearing closed

Motion by Brian R., second by Tom P., to approve Ordinance 15 - Series 2024 (Second Reading) An Ordinance Amending the Belden Place PUD Final Plat as amended. Motion passed 6-0. Note: Kate S. was excused absent.

- Condition that the street name be changed to not reflect a similarly named street in town currently used.

F. Resolution 26 - Series 2024 A Resolution Approving Belden Place SIA – Sawyer

The Town entered into a settlement agreement with Belden Place in November 2023 to settle litigation stemming from the land use approvals completed in March 2022. As part of that

settlement, Belden Place was permitted to request the allocation of 16 SFEs not used by Minturn North for use in the Belden Place project. Council heard this request in March and approved the allocation of the 16 SFEs. Council recently considered on first reading amendments to the PUD Guide and PUD Plat reducing the number of lots and making other minor modifications. In conjunction with implementing the settlement, an amendment to the subdivision improvements agreement (SIA) is required. Attached to this memo is a redline of the SIA. The changes relate to the reduction in the total number of lots and the allocation of the 16 SFEs to the project. Current water right dedication fees have been applied. Other minor edits and formatting have been made. Edits have been made to Section 4.C. of the SIA. The new language reflects the additional 16 SFEs allocated to the project, for a total of 39 SFEs. The developer receives credit for 19 SFEs of service for historical water use on the property. The SIA provides that "No additional SFEs of water service can be provided to the Property until such time as the moratorium is lifted or amended." Zoning for the property allows for a total of 42 SFEs of development. However, the developer may choose to limit the "stacked triplexes" to only 3 SFEs of service and thereby stay within the 39 SFEs provided in the SIA. See chart from Belden Place listing SFE allocation by lot at Exhibit A

Motion by Tom P., second by Gusty K., to approve Resolution 26 – Series 2024 A Resolution approving the Belden Place Subdivision Improvement Agreement as presented. Motion passed 6-0. Note: Kate S. was excused absent.

G. Resolution 29 - Series 2024 A Resolution Rescinding a Cost Share Agreement for the Construction of a Stormwater Sewer Improvement between Miner's Basecamp and the Town of Minturn – Sawyer

Mike S. noted this was based on a previous agreement on this project which the Town is no longer obligated to.

Motion by Gusty K., second by Brian R., to approve Resolution 29 – Series 2024 a Resolution rescinding a Cost Share Agreement for the construction of a stormwater sewer improvement between Miner's Basecamp and the Town of Minturn. Motion passed 6-0. Note: Kate S. was excused absent.

H. Resolution 28 - Series 2024 A Resolution Approving a Temporary Use Permit for the Town of Minturn at 171 Main Street and 191 Main Street – Krieg

Staff requested Council to review and approve Resolution 28 - Series 2024, a resolution approving a temporary use permit for the Town of Minturn at 171 / 191 Main St. The Town of Minturn wishes to erect a temporary 20x20 tent for summer bike parking, to allow for bike parking for the Minturn Market and other events as well as general bike parking, and to create a sense of "place" for said parking. The hope is to create a consolidated location for bike parking, vs. having bikes strewn about various areas of downtown. The Town has a 20x20 white tent with metal poles, which would need to be staked into the ground in the proposed area. The tent would be erected upon approval, hopefully in time for the first Market on June 22nd, 2024. The tent would remain up only through the summer, proposed through October 3rd, 2024. Utility locates have been requested, and are scheduled to be completed by Tuesday, June 18th. The Town would like to create a sense of place with some custom designed signage, as well as painting of the bike racks. The town is working

with a local artist to bring a fun, colorful design to the bike racks. The Town has obtained approval from the property owners of both the 171 Main St. lot as well as the 191 Main St. lot. The tent would be erected on the 171 Main St. lot, but may very slightly encroach onto 191 Main St. The tent is proposed to be placed next to the Colorado Mattress building, on the south side of the building. At the June 12, 2024 Planning Commission Meeting, they reviewed the resolution and forwarded a recommendation of approval to the Town Council, with some additional recommendations. Recommendations and staff responses are noted below:

- Wayfinding Signage
  - Staff is working on a strategic wayfinding signage plan
- Fencing
  - Staff is recommending that we be strategic with how we place the racks vs. installing a fence (No Fencing will be installed)
- Proper revegetation after use only if damage occurs
  - The Town is willing to evaluate the location at the end of the summer season to determine any damage and any necessary revegetation. However, currently the yard is in poor condition. This is not Town property and is not maintained by the Town. Town staff (Public Works) will mow the location prior to installation of the tent.

Discussion ensued as to how this will work.

Mr. Kelly Toon, 531 Main St, discussed the bike path from Vail and the condition and signage. He noted County Rd/Minturn Rd is easier to ride. He asked about a bike repair station at the site as an option. Bike security was an expressed issue.

Motion by Gusty K., second by Tom P., to approve Resolution 28 - Series 2024 A Resolution Approving a Temporary Use Permit for the Town of Minturn at 171 Main Street and 191 Main Street as recommendations were presented. Motion passed 7-0.

I. Ordinance 16 - Series 2024 (First Reading) An Ordinance Amending the Town's Historic Register to Add 478 Eagle River Street – Harris

Madison H. presented and Mr. Andy Peters, applicant representative was introduced.

Council is asked to review the landmark designation nomination of 478 Eagle River Street based on the criteria outlined in the Minturn Municipal Code Sec. 19-3-20, citing findings of fact, and make a decision of approval, approval with conditions, or denial.

Application: #2024L – 003
Address: 478 Eagle River Street
Zoning: Old Town Character Area – Mixed Use Zone District
Owner: David Ford
Applicant(s): Tracy C. Andersen

Ms. Tracy Andersen has submitted a nomination for Historic Landmark status of 478 Eagle River Street. The application has been reviewed, deemed complete, and to meet the Minturn landmark designation criteria. As such, staff scheduled a public hearing for the Historic Preservation Commission meeting on June 18, 2024 and a public hearing for the Town Council meeting on June 19, 2024. Adjacent properties and the owner of 478 Eagle River Street were notified via certified mail, and a notice placed in the Vail Daily minimum 10 days before the public hearing.

At the June 18 HPC Public Hearing a recommendation to not approve as a Historic building.

Public Hearing Opened

Mr. David Ford, 478 Eagle River St owner outlined his family's plans to build a new home there that enhances Minturn.

Mr. David McMillon, 843 Main St, spoke in support of non-historic designation

Mr. Michael Pukas, architect and friend of Mr. Ford, spoke in support of non-historic designation and Mr. Pukas also submitted a letter of same.

Mr. Steve Hutton submitted a letter in support of non-historic designation.

Madison H. read an email into the record forwarded by Ms. Lilly Ford, property owner, from Ms. Terry Anderson who submitted the application. Madison H. summarized for the record an email forwarded by Ms. Lilly Ford from Ms. Tracy Andersen. The email included statements about ultra rich people moving to town and tearing down older homes to build monstrosities, and about how a nomination doesn't mean anything other than a closer look.

Public Hearing Closed

Tom P. noted the concern of nominating a building purely on age. Yes, we want to preserve our history but age alone doesn't make a property of historic value or significance.

Motion by Tom P., second by Brian R., to Deny Ordinance 16 - Series 2024 (First Reading) An Ordinance amending the Town's Historic Register to Add 478 Eagle River Street. Motion passed 6-0. Note: Kate S. was excused absent. Note: because this was a motion to NOT award historical designation, the Ordinance died on First Reading and was not published nor will it move forward.

13. DISCUSSION / DIRECTION ITEMS

A. Resolution by the Stakeholders for a Downtown Development Authority (DDA) Ballot Question - Krieg/Shrum

Cindy K. presented with the assistance of Mr. Bill Schrum, Downtown Colorado Inc. The Town of Minturn has been considering the values a DDA could bring to this community off and on for almost three years. In this time, staff and some business and property owners of Minturn's downtown area have investigated this option with the culmination of the attendance at the 2022

DCI Conference in Colorado Springs. From there the Town returned with an action plan for the potential to create a DDA from which we have slowly been progressing ever since. The Town recently completed a secondary financial analysis by consultant Jim Mann, to better understand the potential income revenues of a DDA. And then most recently, the Town (with help from DCI – Downtown Colorado, Inc) held a series of virtual stakeholder meetings followed by a stakeholder open house on June 10th. Following this most recent series of meetings (as well as a stakeholder survey), Town Staff have asked the downtown stakeholders to provide their input to Council, so that an informed decision can be made as to whether to pursue this initiative.

A Downtown Development Authority functions as a "quasi-municipal corporation which is intended to halt or prevent deterioration of property values or structures in a Central Business District. To this end, a DDA is focused with finding ways for improving real estate development, infrastructure, and operations of a downtown area. It does this by leveraging any future increase in assessed property valuations within the approved DDA boundary. The Town could also assess a mill levy however feedback throughout this process has indicated a local DDA should be able to support these objectives by solely relying on the Tax Increment Financing This allows the DDA to reinvest in Minturn's Downtown and keep money in Minturn which would have otherwise gone to the bevy of other organizations that see revenue through property taxes such as the School District, Cemetery District, Library District, Eagle County, and others. The complete mill levy breakout can be found on electronic page 81 of the 2024 Minturn Budget. This is all done through a mechanism called tax increment financing (TIF). For those that want to take a deeper dive into the mechanics of TIFs, here is an excellent, albeit long, presentation by Troy Bernberg with Northland Public Finance. Staff is recommending the above concept which includes no increase in tax rates. To form a DDA, firstly, the Council must approve the concept. An election of the property owners included in the DDA boundary is then required. If approved, a DDA has a lifespan of 30 years with the potential to be extended by an affirmative action of the Council. An important understanding to consider before moving forward with a DDA is the amount of tax increment funding from the eventual increase in property values that could be brought in by the DDA. Prior to formation, a financial analysis is conducted to determine if a potential DDA area could bring in funds providing enough value to create a financially healthy DDA. Jim Mann's findings have determined that even though reinvestment in Minturn's Downtown is unknown at this time, there are a variety of different scenarios which create opportunities for increased revenues supporting a financially healthy DDA.

Mr. Bill Schrum outlined the map that was in the packet.

Public Comment

Mr. Larry Stone, 152 Main St, spoke in support.

Mr. Spence Neubauer, 161 and 444 Main St, spoke in support.

Mr. Marco Tonazzi, 151 Main, emailed in support.

Cindy K. noted that this was only an election for businesses, current residential properties are not included. She also outlined how someone could join the district at a later date in other parts of the

town. She noted this is a request to go to an election with a ballot question. Further maps and other information will be formed once the direction on the election is given.

Direction given by Council: proceed with a ballot question writing and bring back for approval for the November Eagle County Coordinated election.

B. Short Term Rental Policy Review – Krieg

Staff is requesting to discuss and receive direction from Council on potential changes to the current Short Term Rental policies. This is due to both recommendations from Council members, as well as community input on the recent Minturn Community Survey. In 2017, the Town of Minturn introduced a Short Term Rental policy, and since that time, the general policy has remain largely unchanged. Town Council members have recommended that a policy discussion take place, to evaluate whether the current polices / regulations are sufficient.

Some proposed changes to the policy include:

- Occupancy for 2 years (vs. simply owning the property for 2 years)
- Provision for on-site full-time residents to be able to apply for an exemption from the 2 year requirement (providing the owner is living on the property and is a full-time resident of Minturn).
    - Would need to verify the definition of a "full time" resident
- Based on community survey input, council may also wish to consider looking at the number of short-term rentals and whether a change to the cap should be considered

Lynn F. stated she would be in favor of reducing the 10%/50 unit cap.

Tom P. felt the cap was sufficient.

Discussion ensued in support of the ownership for 2yr STR limitation and that it be owner occupied for 2 years.

Mr. Larry Stone, 152 Main St, spoke in support of the STRs.

Mr. Kelly Toon, 531 Main St, spoke in support of the STRs.

Direction given by Council: continue discussion, potential item for a work session, and bring back to Council with a recommendation.

C. Short Term Rental Tax Ballot Measure – Brunvand

Staff is requesting to discuss and receive direction to proceed with a ballot question on the November 2025 County election to increase the existing lodging tax by five percentage points for residential Short-Term Rentals (STR) ONLY.

In November 2005, during a county wide coordinated election, the town passed a ballot measure allowing the town to assess a 1.5% Lodging Tax on all STR rentals. This included commercial

lodging facilities as well as residential facilities. An STR is defined as a unit rented for 30days or less. Staff is requesting direction to proceed with a ballot request in the November 2024 County wide coordinated election to increase the Lodging tax 5% points, from 1.5% to 6.5% for RESIDENTIAL rentals ONLY. Commercial properties are assessed property taxes at 26.3% and residential properties at 6.7% of assessed value. Due to this almost 4x variance, we are only looking at this tax to be applied only to residential STR's.

The current and projected sales tax rates for STR are as follows. (NOTE: The commercial lodging would remain at the current level, the STR would move to the projected and non-lodging would sales tax would remain at 8.9%):

CURRENT Lodging Tax For both Residential and Commercial		Projected Lodging Tax for Residential	
State	2.9%	State	2.9%
County	1.5%	County	1.5%
Transit	0.5%	Transit	0.5%
Town	4.0%	Town	4.0%
Lodging	1.5%	Lodging	6.5%
	10.4%		15.4%

Estimating the projected revenue picture with this change:

	1.50%	6.5%*
2021	18,960	38,307
2022	20,457	61,081
2023	14,461	52,832

*Commercial factored at 1.5%

Earle B. spoke in support. Discussion ensued that this was appropriate. Concern was expressed that we were putting a small revenue source on

Council direction given: Direction to pursue a 5% residential Lodging Tax increase ballot question directing staff to write the ballot measure and bring back for certification to the November Coordinated County Election.

D. Geronimo Parking Variance – Krieg

Most of Minturn is familiar with Frank's car, as it has lived on the 100 block of Main St. for decades. Town Council previously had established "Geronimo" as "The People's Car" and deemed it public art. The vehicle was given a parking variance for the summer of 2023, and was therefore permitted to be parked for longer than 72 hours and given exemption from being towed. Staff acknowledges the history of this vehicle within the community and seeks direction from Council on addressing this funky and eclectic issue. Community input has been mixed on this issue. While the community appreciates the history of this vehicle, it does impact prime parking availability within the 100 block commercial zone.

Discussion ensued of alternative parking spots other than Main St.

Council direction given: reapprove the parking variance.

E. High Five Media Board Representation

Initially, when cable television came to the valley, a cable commission was formed that included reps from the towns of Vail, Avon and Minturn to help usher public access television into the valley. Although Minturn is not one of our cable franchise partners (like Vail and Avon), High 5 Media has always felt it was important to have the town's voice at the table to shape how this resource is allocated. High 5 Media prefers an elected official for board representation, but a staff member is also welcome. They typically have quarterly board meetings, and then various committee assignments (at least one) that require additional work and meetings. They also ask that board members make a meaningful donation to help support our nonprofit, but we don't require it of town appointed board members. In the event a Council member is not available for this assignment, the town manager can fill this position

Direction given by Council: no direction was given

14. FUTURE AGENDA ITEMS

A. Cancellation of July 3rd Council Meeting – Council to provide direction

Direction given by Council: cancel the meeting Tom/gusty motion to cancel the 7/3/24 meeting

B. Future Agenda Items

15. ADJOURN

Motion by Gusty K., second by Brian R., to adjourn the meeting at 9:01pm.

_____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

INFORMATIONAL ONLY ITEMS
Upcoming Council Meetings:
-- July 2, 2024 Minturn Independence Day Celebration
-- July 3, 2024 – Cancelled
-- July 4, 2024 - Independence Day; Town Hall Closed
-- July 17, 2024
-- August 7, 2024

Consolidated Service Plan for Battle North Metropolitan District Nos. 1-4

White Bear Ankele Tanaka & Waldron
2154 East Commons Avenue, Suite 2000
Centennial, CO 80122

History of Service Plan Submittal

- December 20, 2023: Metropolitan District/Service Plan Presentation/Discussion to Town Council by Mike Sawyer
- February 15, 2024: Initial draft of Service Plan submitted by the applicant to the Town
- March 6, 2024: Presentation of the Service Plan by the applicant to Town Council for discussion
- March 13, 2024 to April 7, 2024: Continued discussions with Town staff and Mike Sawyer regarding comments on the draft Service Plan
- April 10, 2024: Input from Jim Mann received

History of Service Plan Submittal (cont.)

- April 15, 2024: Memorandum from the applicant to the Town responding to input from Jim Mann
- April 17, 2024: Presentation of the Service Plan (as revised based on prior comments and discussions) by the applicant to the Town Council. Town Council continued the matter pending receipt of a response from Jim Mann to the applicant's responsive memorandum of April 15, 2024
- April 18, 2024 to May 17, 2024: Continued discussions with Mike Sawyer and further revisions to the draft Service Plan based on the same
- May 17, 2024: Detailed memorandum from Jim Mann
- May 22, 2024 to June 4, 2024: Continued discussions, culminating in a detailed response from the applicant to the Town, including a revised draft of the Service Plan reflecting revisions made as a result of continued discussions

History of Service Plan Submittal (cont.)

- June 5, 2024: Town Council Meeting at which consideration of the Service Plan was continued to allow time to review June 4, 2024 materials from the applicant
- June 5, 2024 to date: Continued discussions and submission of revised materials to Mike Sawyer addressing comments from Jim Mann
- June 19, 2024: Presentation of final Service Plan to the Town Council for approval
- Note that election deadlines for the organizational election for the District start as early as June 18, 2024

Summary of Modifications

- Independent Engineer engaged to provide conceptual infrastructure plans for roads, water, sewer, and drainage
- Independent Engineer Report describing the basis for estimating costs and validating that the costs are reasonable for the proposed infrastructure
- Engaged an expert in Special District accounting to provide a proforma Operating Budget, including estimated costs for District maintenance
- Districts may not issue bonds with a foreclosable lien on Parcels 3 and 12
- Districts may not include Parcels 3 or 12 without Town consent
- No Town Parcels may be included into District boundaries

General Background

- Four Districts are proposed in keeping with the Settlement Agreement, Two Residential Districts, a Commercial District, and an Operating District.
  - Affordable Housing Units may only be included into District No. 4
  - Lower debt mill cap of 35 mills
- The Districts will provide financing for roads, water (including a potable water system), sanitation, storm drainage, and parks.
- Beyond financing, it is anticipated that the Districts will own and/or maintain:
  - Internal Streets
  - Open Space/Restricted Parcels
  - Community Parks and Trails

Key Restrictions and Limitations

- Limited boundaries
  - No Town-owned property may be included in District boundaries
  - Parcel 4 now may not be included in District boundaries
  - Parcels 3 and 12 (Town has options) may not be included without Town approval

- Limited powers authorized:
  - Streets
  - Water
  - Sanitation/Storm Drainage
  - Park and Recreation
  - No Covenant enforcement power for private covenants
  - Covenant enforcement power limited to the Restricted Parcels

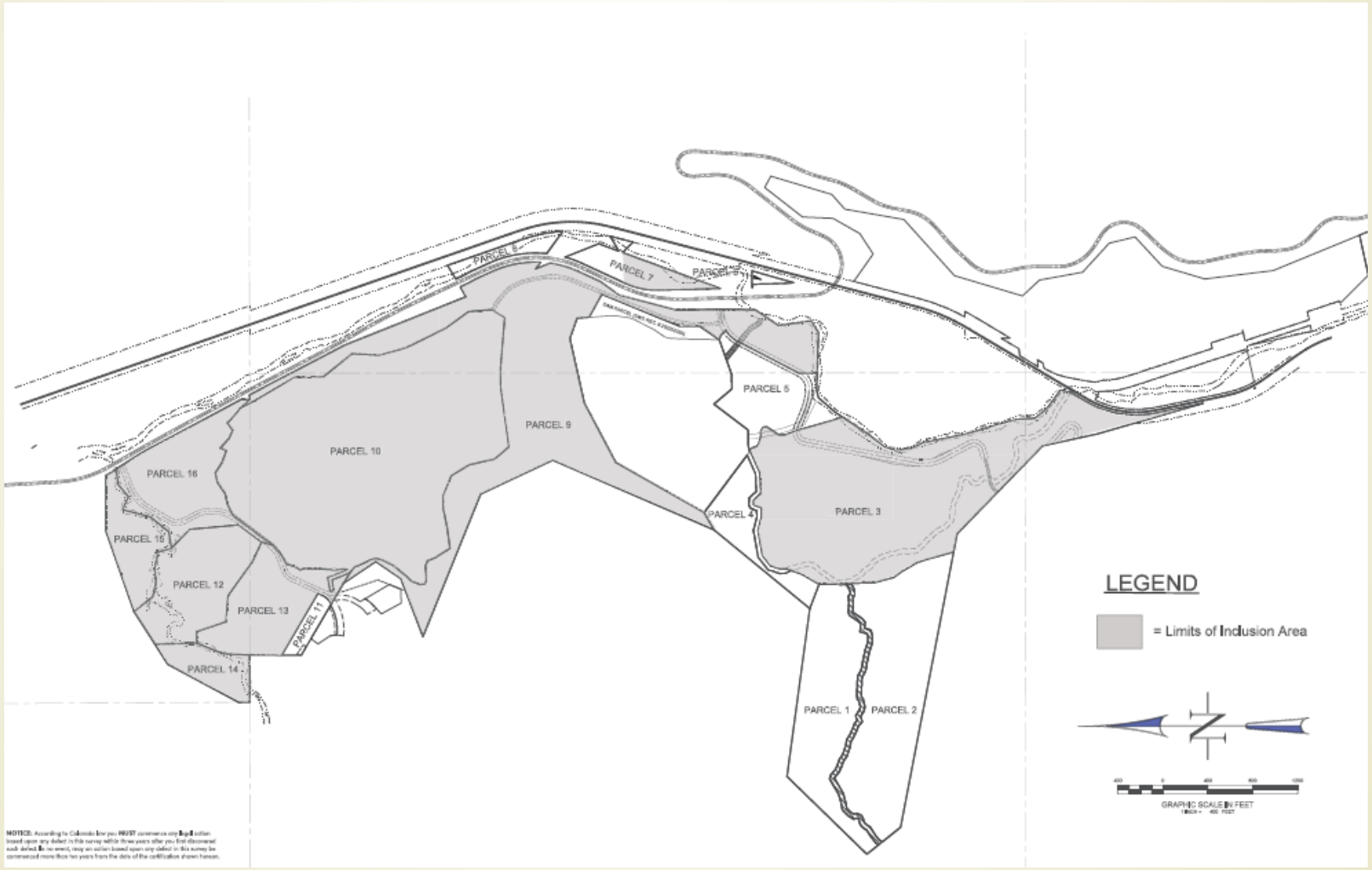
- All Public Improvements are subject to the Town's subdivision process – therefore the Town will review and approve all public improvements

Key Restrictions and Limitations

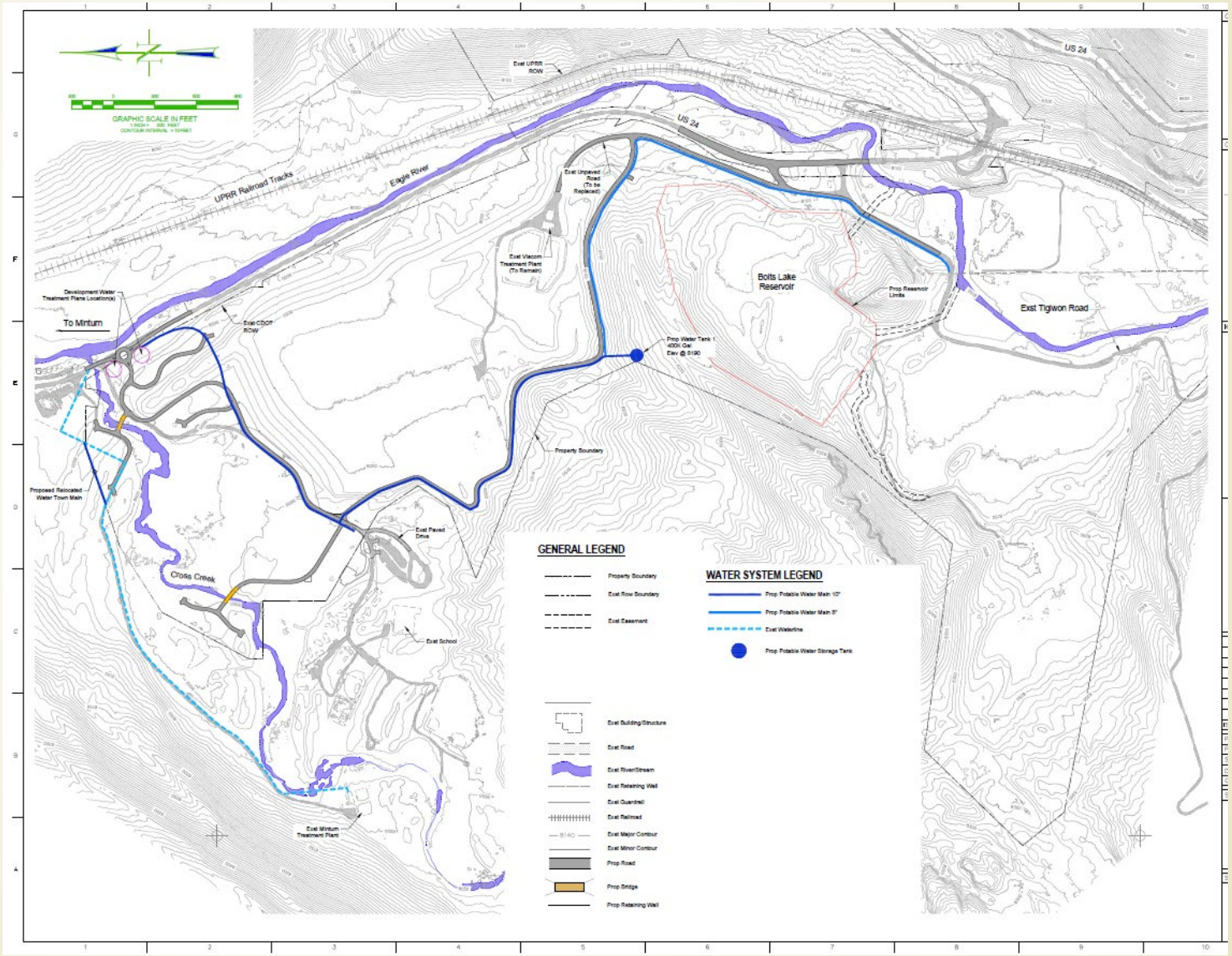
- Cap on debt authorization
- Cap on debt service tax levy
- Cap on operations tax levy
- Term of bonds limited to 30 years
- Districts cannot issue bonds with a foreclosable lien on the Restricted Parcels
- Debt Issued to reimburse the developer requires an External Financial Advisor Certificate
- Cannot exercise condemnation power without Town approval
- IGA Between the Districts and the Town provides contractual remedies

Inclusion Area

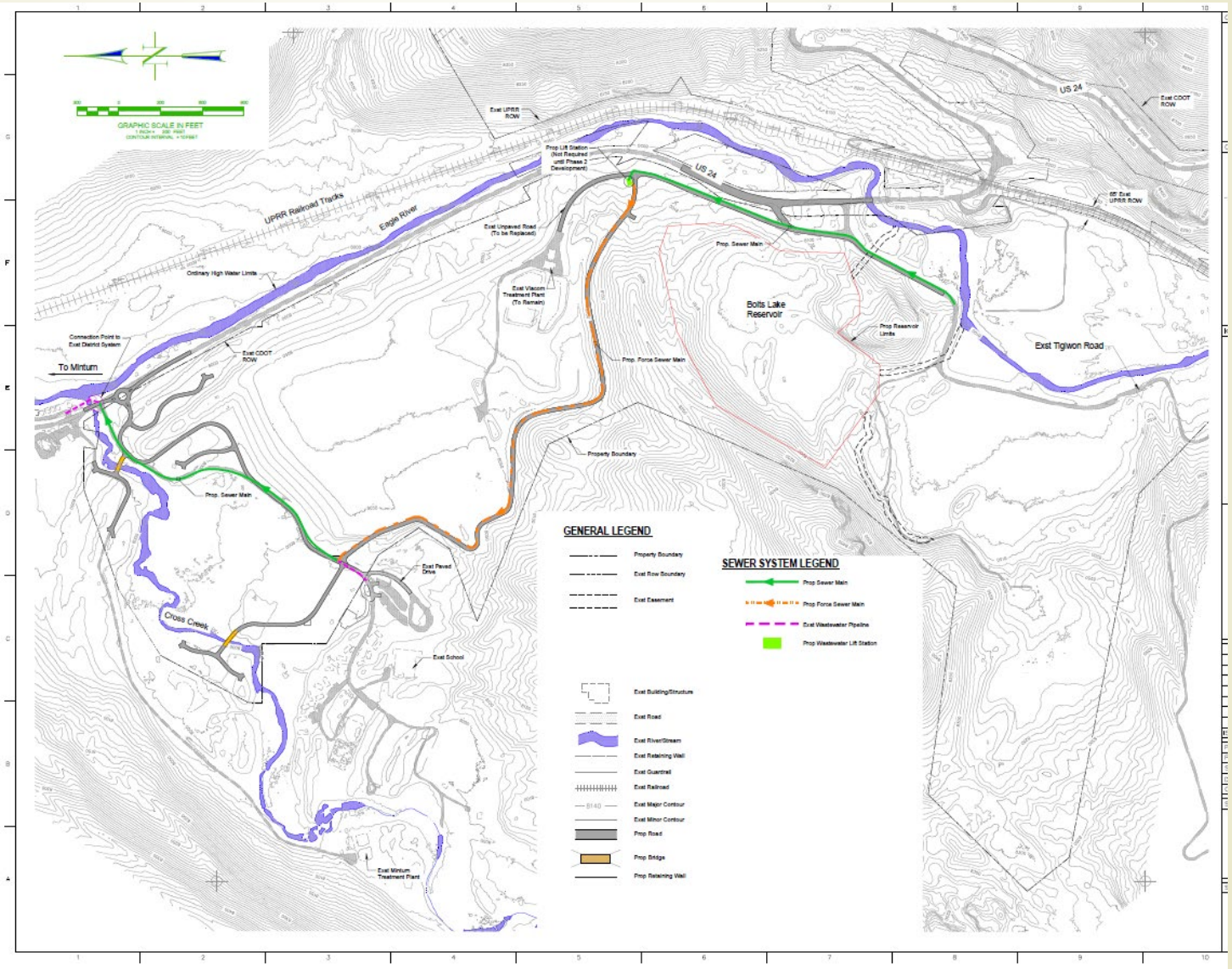
- Includes all Battle and Restricted Parcels
- Does NOT include any Town Parcels



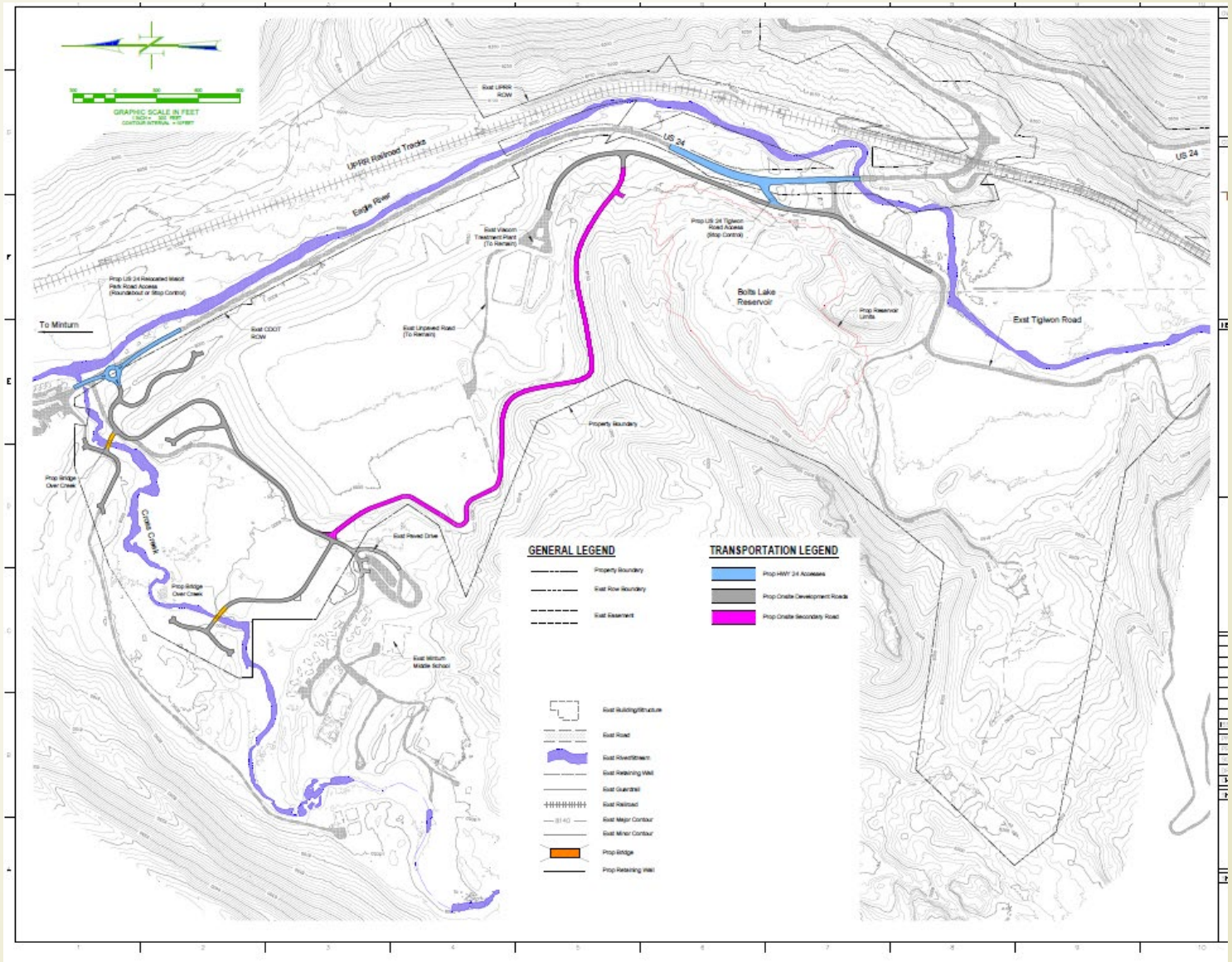
Conceptual Water Improvements Map



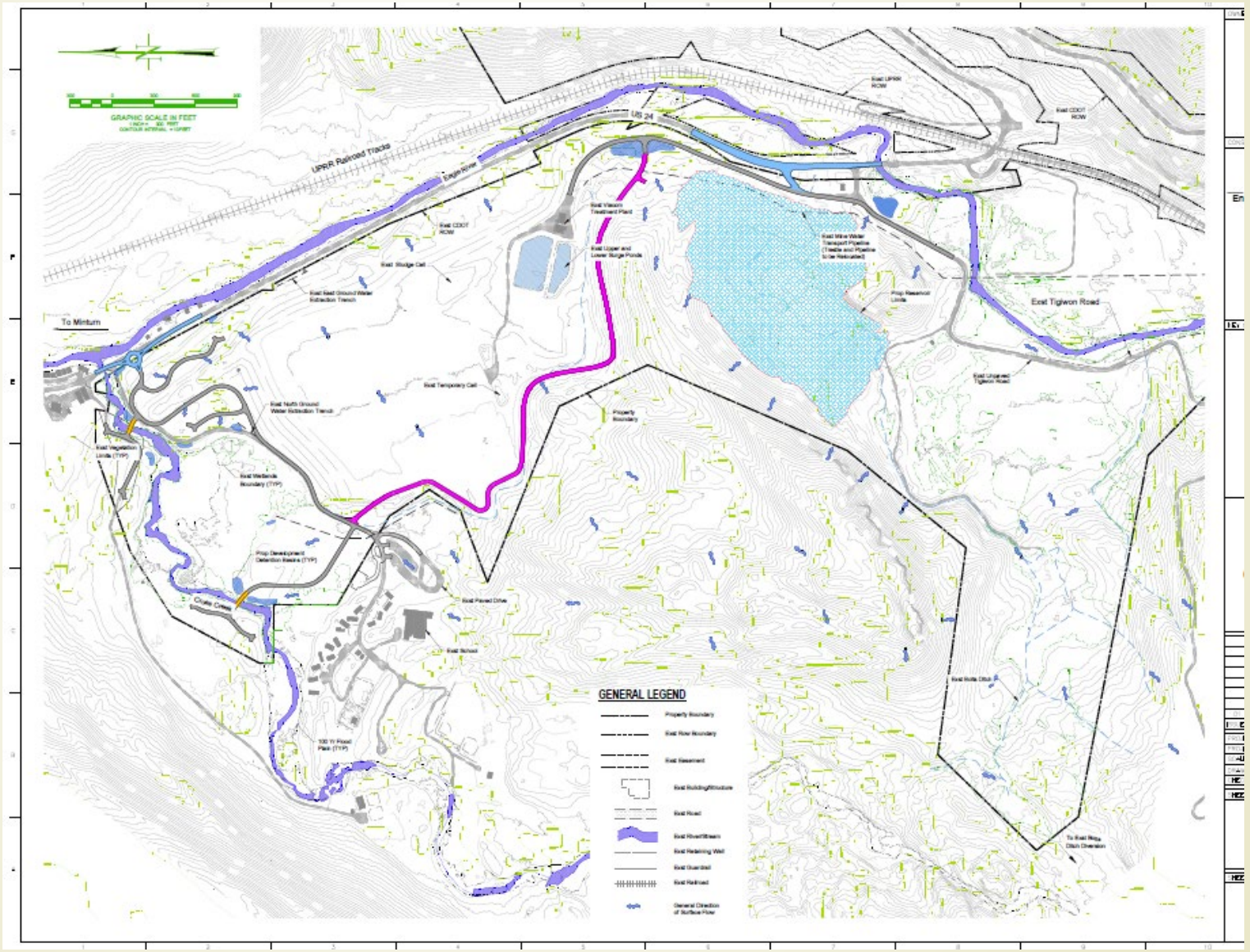
Conceptual Sewer Improvements Map



Conceptual Street Improvements Map



Conceptual Drainage Improvements Map



Preliminary Infrastructure Estimates

- Original infrastructure data has been enhanced in response to Staff comments
  - Independent Engineer has reviewed the cost estimates and proposed development plan
  - Independent Engineer has developed concept plans for roads, water, sewer, and drainage
  - Cost estimates are considered reasonable and appropriate in the opinion of the Independent Engineer
- All infrastructure will be submitted through the subdivision process to the Town for review – the Districts cannot finance anything the Town has not approved
- A portion of the initial infrastructure will be financed by the property developer
- District financing will only occur when Districts are able to sell project bonds
- If future costs are greater than estimates, the developer will need to finance any costs beyond the Districts' financial capacity

Potential Public Infrastructure Financing

- **All Public Improvements are subject to Town review during the subdivision process**
- Reconstruction and improvements to Maloit Park Road
- Potential improvements and traffic calming at HW 24/Maloit Park Road intersection
- Pedestrian access/sidewalks along Maloit Park Road
- Potential transportation/bus stop along Maloit Park Road
- Recreation bike and pedestrian paths in Maloit area connecting to the Reservoir Site
- Parks and other recreation areas tying into the Rec Center and Maloit recreation areas
- Public improvements shared with the School District subject to coordination and financing agreement with the School District

Restricted Parcel Oversight

- Regular monitoring and enforcement of Restrictive Covenants
- Maintain signage and fencing as required
- Ongoing participation with EPA and CDPHE
- Annual reporting as required by CDPHE
- Payment of annual oversight fees as required by CDPHE
- Coordination with CBS/Viacom regarding protection and assurances that existing remedial features (trenches, treatment plant, etc.) remain operational
- Coordination with ERWSD regarding reservoir construction and site remediation
- Coordination with the Town regarding the property

Key Financial Terms of Service Plan

Estimated Costs of Public Improvements	$51,000,000
Total Combined Debt Limit	$62,000,000
Maximum Debt Service Mill Levy	District Nos. 1-3: 50 mills District No. 4 (Affordable Housing Units): 35 mills Debt service mill levies are subject to adjustment based on changes in the calculation of assessed value
Operations and Maintenance Mill Levy	20 mills, subject to adjustment based on changes in the calculation of assessed value
Maximum Debt Mill Levy Imposition Term	30 years from the date of first imposition of a debt service mill levy for each debt issuance
District Fees	Permitted to be imposed for services, programs or facilities provided
Projected Bond Issuances	Series 2026 • Approximately $35,920,000 Series 2036 • Approximately $54,070,000 • Refinance of the 2026 issuance • Approximately $24,000,000 in additional funding

Questions?

Minturn Planning Department
Minturn Town Center
302 Pine Street
Minturn, Colorado 81645

Minturn Planning Commission
Chair – Lynn Teach
Jeff Armistead
Michael Boyd
Amanda Mire
Eric Rippeth
Darell Wegert

Design Review Board Hearing

Final Plan Review for New Home

0030 Silver Star Trail

Hearing Date:	June 26, 2024
File Name and Process:	Single-Family Residence Final Plan Review
Owner/Applicant:	Isabel Rechberg Dop & Monte Dop
Representative:	Taylor Hermes & Rick Hermes, Minturn North Construction Company
Legal Description:	Subdivision: MINTURN NORTH PUD Lot: 35
Address:	0030 Silver Star Trail
Zoning:	Game Creek Character Area – Minturn North PUD Zone District
Staff Member:	Madison Harris, Planner I
Recommendation:	**Approval**

Staff Report

I. Summary of Request:

The Applicants, Isabel Rechberg Dop and Monte Dop, request Final Plan review of a new, four-bedroom, 3,305 (gross) square foot single-family residence located at 0030 Silver Star Trail in the Game Creek Minturn North PUD Zone District. The Applicant's representatives, Taylor Hermes and Rick Hermes of the Minturn North Construction Company, have been proactive in meeting with Town staff prior to submitting plans for a new home and have provided a relatively complete and thorough set of site, landscaping, and architectural plans.

Proposed Plans
The plans show a two-story, four-bedroom structure with a maximum building height - measured to the midpoint of the roof – of 27 feet 11 and ¼ inches, under the maximum allowable 28-foot limit within the Game Creek Minturn North PUD Zone District.

Additionally, the massing, forms, and scale of the proposed structure, as well as proposed exterior materials, textures and detailing also appear to achieve the design objectives of Appendix B – *Design Guidelines and Standards,* Minturn Municipal Code.

Parking is adequate, with four off-street spaces, two of which are provided within the garage. The plans show the entry level with two bedrooms and garage, and the main level has the primary living area and two more bedrooms.

According to staff's analysis of development standards and dimensional limitations in Section III below the project appears to meet the Town's standards.

Overall, staff believes that the Applicants and their representative have provided a complete, detailed set of plans necessary to complete a thorough final plan review.

As a reminder, the Planning Commission has the option to review the proposal as a "conceptual" plan review if the Commission feels that the plans are *not* sufficient or are in need of revisions and additional review prior to final plan approval; or the Commission may take action to approve, approve with conditions, or deny the Final Plans.

Staff is **recommending approval**.

II. Summary of Process and Code Requirements:

These plans are being presented by the Applicant as "Final Plan" level of review for a new single-family residential structure on a legally created lot within the Town of Minturn. This is a formal hearing providing the Applicant and staff the opportunity to discuss the proposal with the Planning Commission, acting as the Design Review Board, and to address the DRB's concerns or feedback regarding suggested revisions to the project.

If the DRB feels that the plans are complete, appropriate, and meet the intent and purposes of the Minturn Municipal Code, Chapter 16, the DRB has the option to take final action to approve the plans without conditions, or to approve with specific conditions and giving the Applicant and staff clear direction on any recommended revisions, additions or updates to the plans.
No variances are required or requested at this time.

Design Review Process
Appendix 'B' of the Minturn Municipal Code, Section 16-21-615 - *Design Review Applications*, subsection "d" below outlines the criteria and findings necessary for DRB review and approval of all new, major development proposals:

(d) Administrative procedure.

(1) Upon receipt of a completed and proper application, the application for Design Review will be scheduled for a public hearing. The hearing will be conducted in accordance with the procedures set forth in this Chapter.

(2) Criteria and findings. Before acting on a Design Review application, the Planning Commission, acting as the Design Review Board (DRB), shall consider the following factors with respect to the proposal:

a. The proposal's adherence to the Town's zoning regulations.
b. The proposal's adherence to the applicable goals and objectives of the Community Plan.
c. The proposal's adherence to the Design Standards.

(3) Necessary findings. The Design Review Board shall make the following findings before approving a Design Review application:

a. That the proposal is in conformance with the Town zoning regulations.
b. That the proposal helps achieve the goals and objectives of the Community Plan.
c. That the proposal complies with the Design Standards.

Staff suggests that the final plans for 0030 Silver Star Trail meet the required findings 'a,' 'b,' and 'c' or subparagraph 3 – *Necessary findings*.

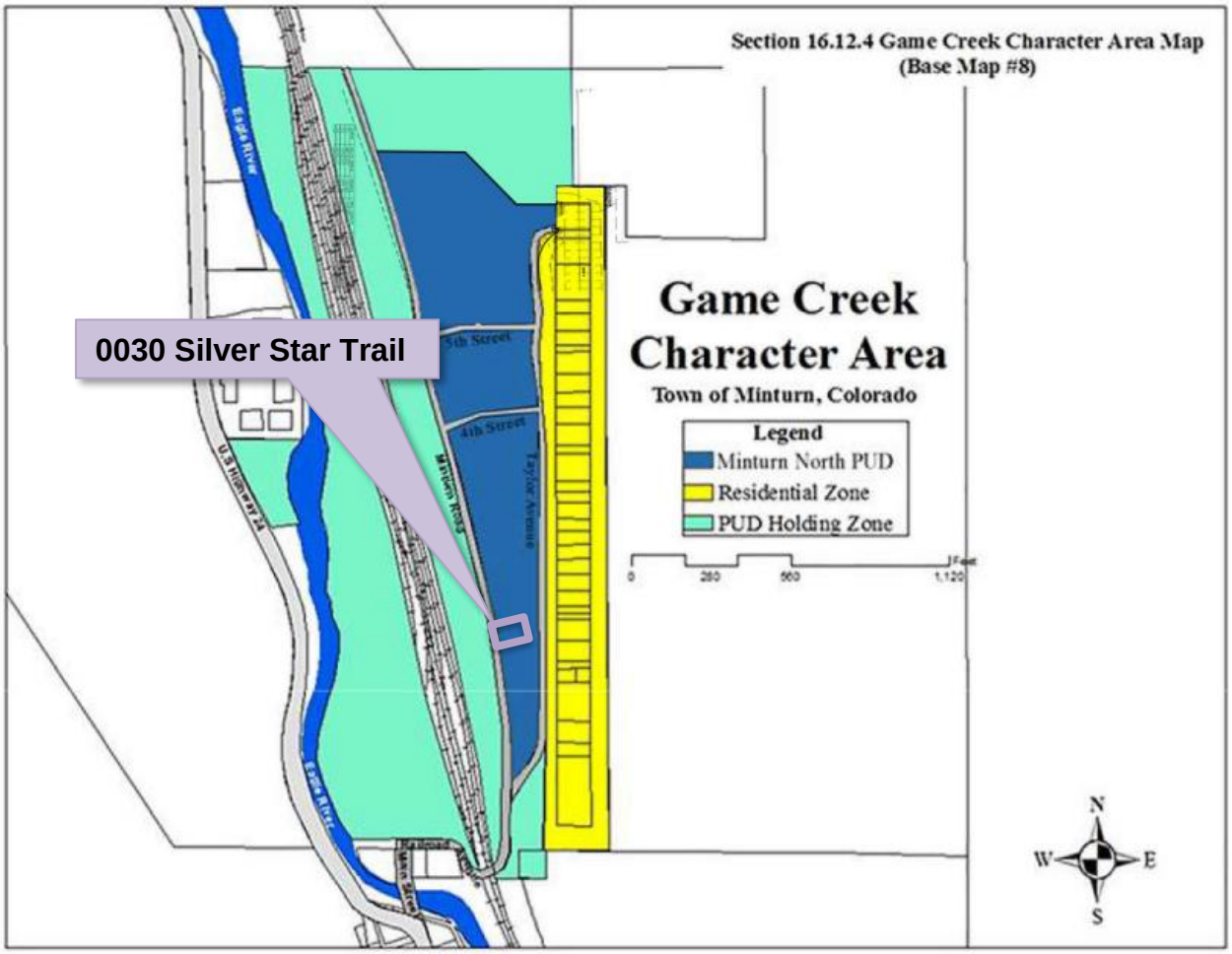
III. Zoning Analysis:

Zoning
The subject property is located within the "Game Creek Character Area" Minturn North PUD Zone District Planning Area 2 (PA-2), described as follows:

> *"The primary intent of this Planning Area is to create a market rate, permanent resident occupied single-family residential use zone."*
> *- Ordinance No. 15 – Series 2023 Minturn North PUD Guide*

Rest of page left intentionally blank

Figure 1: Game Creek Character Area Zoning Map



Dimensional Limitations and Development Standards

The following table summarizes the lot, development and dimensional standards and limitations applicable to the subject property pursuant the approved Final Development Plan for the Minturn North PUD.

Regulation	Allowed/Required	Proposed/Existing
Minimum Lot Area:	4,486.68 sq. ft.	4,486.68 sq. ft. (.103 ac.)
Maximum Building Height:	28 feet	27 feet – 11 1/4 inches
Minimum Front Setback:	00 feet	20+ feet
Minimum Side Setback:	5 feet	5 feet
Minimum Rear Setback:	10 feet	10 feet

Maximum Lot Coverage:	50% (2,243.34 sq. ft.)	2,032 sq. ft. (45.29%) Proposed
Maximum Impervious Coverage:	65% (2,916.3 sq. ft.)	2,519 sq. ft. (56.14%) Proposed
Minimum Snow Storage Area:	5% of Lot Area (4,486.68 sq. ft. x .05 = 224.3 sq. ft.)	265 sq. ft.
Parking:	2 spaces	4 spaces

IV. Applicable Standards and Design Guideline Criteria:

Design
In addition to the development standards listed above, the following general design principles are provided for reference.

Final Site, Grading and Drainage Design
The Minturn Design Guidelines encourage designs that integrate or account for site topography and existing conditions, surrounding conditions, solar orientation, placement on lots relative to streets and natural features, snow storage and snow shed from roof structures.

Mass and Form
The following excerpt from the Design Guidelines is applicable to the proposed home design:

"c. Massing and Scale

> *"**A simple central form with additive features shall be designed. This style creates visual interest and is appropriate for the community due to its compatibility with existing structures. Buildings and improvements should complement, rather than overpower, the adjacent natural and built environment.** Homes are encouraged to be sheltering in nature, with consistent setbacks from the street with prominent porches or overhanging eaves.*
>
> *"Building mass, form, length and height shall be designed to provide variety and visual interest while maintaining a scale that is similar or compatible to adjacent structures."*
>
> *-Town of Minturn Design Guidelines*

Staff Response:
Staff believes that the design and scale of the proposed structure incorporates a simple central form with additive features and is complementary to adjacent residential structures and character on nearby parcels. Staff further suggests that the scale of the project is appropriate and will not overpower surrounding natural and built environments. Proposed roof forms and pitches, materials and textures are compatible and complementary to the surrounding built and natural environments.

V. Issues and Recommended Revisions:

Issues or Required Plan Revisions
Staff has identified no issues.

VI. Staff Recommendation:

Staff suggests that the Final Plans for 0030 Silver Star Trail generally **comply** with or exceed the applicable provisions and/or minimum standards of Chapter 16 and the Town of Minturn Design Standards (Appendix 'B') of the Minturn Town Code.

Staff is **recommending approval** of the plans.

Inter-Mountain ENGINEERING
Civil Engineers & Surveyors

May 24, 2024

Madison Harris
Town of Minturn Planner
PO Box 309
Minturn, CO 81645

Re: 30 Silver Star Trail
Lot 35, Minturn North PUD
DRB submittal Review
Project No. 24-0001

Dear Madison:

We reviewed the plans entitled *"DOP/Rechberg Residence; Lot 35, Minturn North, Minturn Colorado"* prepared May 17, 2024 by Eggers Architecture Inc.(Plans) included in the DRB application for Lot 35, Minturn North PUD. Our review was for compliance with the engineering requirements of Section 16-21-615: Design Review applications of the Minturn Municipal Code (MMC).

MMC Section 16-21-615 Section C:

Section (C) (2) Boundary Survey:
Paragraphs a through e:
"Final Plat: Minturn North PUD" recorded March 4, 2024 (Reception No. 202402234) has been included as the Boundary Survey. This plat and associated title commitment were reviewed by the Town and the plat is suitable as the Boundary Survey for this application.

Paragraphs f through l:
Sheet C.4 of the *"Minturn North PUD Overall Grading and Drainage Plan; Construction Plan Set 5/1/24"* prepared by Boundaries Unlimited Inc. is included in the application. The Town issued a Grading Permit based on the Construction Plan Set and Sheet C.4 shows the grading and utilities underway at Minturn North. This plan reflects the basis for design, and fulfills the requirements of Paragraphs f through i.

Section (C) (3) Site Plan:
Sheet BH1 provides Building height information necessary for Planning Staff review.

Madison Harris
Re: 30 Silver Star Trail
Lot 35, Minturn North PUD
DRB submittal Review
Project No. 24-0001

Section (C) (4) Grading & Drainage Plan:
Sheet C1 of the Plans "*Lot 34 and 35, Minturn North PUD; Site Grading and Drainage Plan"* prepared May 17, 2024 by Boundaries Unlimited presents the proposed site grading and drainage and fulfills Grading and Drainage Plan requirements.

Review by Inter-Mountain Engineering is for general conformance with Minturn Municipal Code requirements and is not a peer review. Review by Inter-Mountain Engineering in no way relieves any responsibilities of design professionals associated with the project.
Please feel free to contact us if you have additional questions.

Respectfully,
Inter-Mountain Engineering (Town Engineer)

Jeffery M. Spanel PE

CC: Michelle Metteer, Scot Hunn, Taylor Hermes Arnold Martinez

RESORT CONCEPTS
REDEFINING THE RESORT EXPERIENCE

May 21, 2024
Town of Minturn Planning Commission
Attn: Madison Harris

RE: Dop Residence
Lot 35 Minturn North – 0030 Silver Star Trail, Minturn, CO 81645
Design Review Letter of Intent

Madison:

The attached submittal includes a single-family residence within the Minturn North neighborhood. The home is subject to the Minturn North PUD Guide, Town of Minturn Code and all pertinent documents approved by the Town Council.

Lot 35 is located at 0030 Silver Star Trail on a downhill sloping undisturbed vacant lot which drops in elevation approximately 4' through the building envelope. The home has been oriented facing west, parallel to the building envelope lines to maximize the site's primary view facing Meadow Mountain. The home has been designed as a patio residence due to the gently sloping topography. The architectural style is a mix of gable forms and low pitch shed roofs to create a composition of forms rather than a single massive structure. Overall, the structure has been nestled into the topography to balance the entry elevation with the west facing patio elevation of the home.

The home exterior is a balanced mix of stucco and wood with appropriate architectural detailing which enhances the mountain vernacular. The landscaping Is Intentionally minimal In-keeping with the intent of the approved Minturn North PUD.

Should you have any questions or need clarifications, please don't hesitate to contact me.

Sincerely,

Taylor Hermes
512.468.3012

DESIGN REVIEW APPLICATION

TOWN OF MINTURN PLANNING AND ZONING DEPARTMENT
P.O. Box 309 302 Pine Street Minturn, Colorado 81649-0309
Phone: 970-827-5645 Fax: 970-827-5545 Email: planner@minturn.org

Project Name:

Minturn North

Project Location

Street Address: 30 Silver Star Trail

Zoning:	Parcel Number(s):
Residential	2103-262-30-039

Application Request:

Design review of new single-family home

Applicant:

Name: Taylor Hermes & Rick Hermes – Minturn North Construction Company, LLC

Mailing Address: PO Box 2633 Edwards, CO 81632

Phone:	Email:
970-926-1720	THermes@ResortConceptsCO.com

Property Owner:

Name: Isabel Rechberg Dop & Monte Dop

Mailing Address: 2099 Chamonix Ln 1 A, Vail, CO 81657

Phone:	Email:
617-763-9332 (Monte)	MonteDop@hotmail.com / I.Rechberg@gmail.com

Required Information:

Lot Size:	Type of Residence (Single Family, ADU, Duplex)	# of Bedrooms	# On-site Parking Spaces
0.103 acres	SFH	4	2
# of Stories:	**Snow storage sq ft:**	**Building Footprint sq ft:**	**Total sq ft Impervious Surface:**
2	135 sf	2,032 sf	2,276 sf

Signature:

Jen Hermes

Fee Paid:_____ **Date Received:**_____ **Planner:**_____

DESIGN REVIEW APPLICATION

SUBMITTAL CHECKLIST REQUIREMENTS
(TO BE INCLUDED WITH APPLICATION)

Applicant	Staff	
☑	☐	**Application Fee** (Non-Refundable application fee shall be collected)
		• Design Review Board - $200.00
☑	☐	**Letter of Intent**
		-- What is the purpose of the project including;
☑	☐	• Relevant Background
☑	☐	• Current Status of the Site
☑	☐	• All Proposed Uses and Structures
☑	☐	• How the Proposal Differs from what already exists
☑	☐	• Information regarding Easements or Dedicated Tracts, etc.
☑	☐	**Vicinity Map**
		-- Directional Map indicating how to get to the Property involved in the request.
☑	☐	• Zoning of Property
☑	☐	**Site Plan showing Precise Nature of the Proposed Use –**
☑	☐	**To Scale**
☑	☐	• Scaled Drawings of Proposed Design of Structure
☑	☐	○ Plan View and Sections
☑	☐	• Building Heights – all 4 directions N/S/E/W
☑	☐	• topography
☑	☐	• Building Location and impervious coverage
☑	☐	• Setbacks
☑	☐	• Ordinary High Water Mark determined by the Town Engineer and paid for by Applicant
☑	☐	• Parking Plan
☑	☐	• Traffic Circulation
☑	☐	○ Location and Width of Existing and Proposed Access Points
☑	☐	○ Location of Existing Driveways and Intersections
☑	☐	• Landscaped Area – Plan including existing and proposed vegetation.
☑	☐	• Approximate Location of Existing Wooded Areas and Rock Outcrops
☑	☐	• Location and Type of Existing and Proposed Easements
☑	☐	• Utility Easements
☑	☐	• Drainage Features
☑	☐	• Snow Storage areas expressed in square feet as a percentage of the overall site area
☑	☐	**Preliminary Building Plans and Elevations**
☑	☐	• Indicates Dimensions
☑	☐	• General Appearance
☑	☐	• Scale
☑	☐	• Interior Plan for the Buildings

Elements needed on the Site Plan

- Scale
- North Arrow
- Date Prepared
- Lot Dimensions, Area, Entire Site Acreage

Architecture Details – Materials Board

- Windows – Placement and Color
- Doors – Placement and Color
- Siding – Type and Color
- Roof Material – Type and Color
- Paint Color

Boundary Survey with a stamp and signature of a licensed surveyor

- Date of survey (survey date must be within 6 months of the project application date
- Right-of-way and property lines; including bearings, distances and curve information.
- Labeled ties to existing USGS benchmark.
- Property boundaries to the nearest one-hundredth (.01) of a foot accuracy. Distances and bearings and a basis of bearing must be shown. Show existing pins or monuments found and their relationship to the established corner.
- All existing easements recorded with the County Clerk and Recorder. Include bearings and distances.
- Spot elevations at the edge of asphalt along the street frontage of the property at five-foot intervals, and a minimum of two (2) spot elevations on either side of the lot.
- Topographic conditions at two-foot contour intervals.
- Existing trees or groups of trees having trunks with diameters of four (4) inches or more.
- Rock outcroppings and other significant natural features.
- All utility meter locations, including any pedestals on site or in the right-of-way adjacent to the site and the exact location of existing utility sources.
- Environmental hazards where applicable (i.e., rock fall, wetlands and floodplain).
- Watercourse setbacks, if applicable. Show centerline and edge of stream or creek in addition to the required stream setback from the ordinary high water mark.

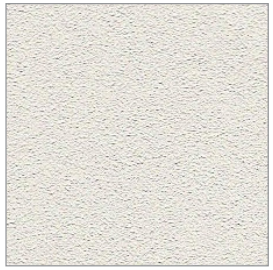
Grading and Drainage Plan

- Existing contours. Existing two-foot contours must be provided for all disturbed areas. Contours for undisturbed areas must be shown when drainage in those areas impacts the disturbed area.
- Proposed contours. Proposed two-foot contours for all disturbed areas must be shown and must demonstrate positive drainage.
- Spot elevations. Show critical spot elevations, as necessary to demonstrate positive drainage and the direction of flow. Finished grade at all building corners must be provided.
- Top-of-foundation elevations. The top-of-foundation elevation must be shown on the plan and must be consistent with the foundation plan. For buildings on slopes of thirty percent (30%) or greater, elevations for stepped foundation walls must be shown.
- Drainage arrows. Include drainage arrows that show how stormwater will be routed around buildings and where stormwater will exit the property. Stormwater cannot cause damage to any adjacent property. Drainage and erosion control features needed to prevent damage must be included.
- Drainage facilities. Proposed drainage facilities, such as French drains or culverts, must be shown.
- Retaining walls. Retaining wall details are required and must include drainage details. Note top- and bottom-of-wall elevations at each location where the retaining wall steps up or down, and include the tallest point of the retaining wall.

Design Guide

Terraces & Walkways
Stained Concrete

Fascia, Soffits, Columns & Railing
Color: Custom Stain

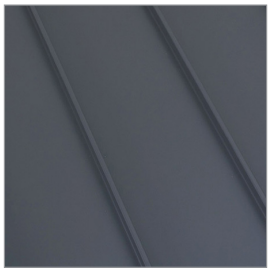


Siding
Stucco
Color: Dover Sky

Wood Columns per Plan
Color: Custom Stain

Windows and Doors
Mfg: Alan Bradley Cityline
Color: Matte Black

Roofing
Mfg: CertainTeed Belmont Asphalt Shingles
Color: Stonegate Gray



Roofing
Standing Seam Metal
Color: Dark Gray

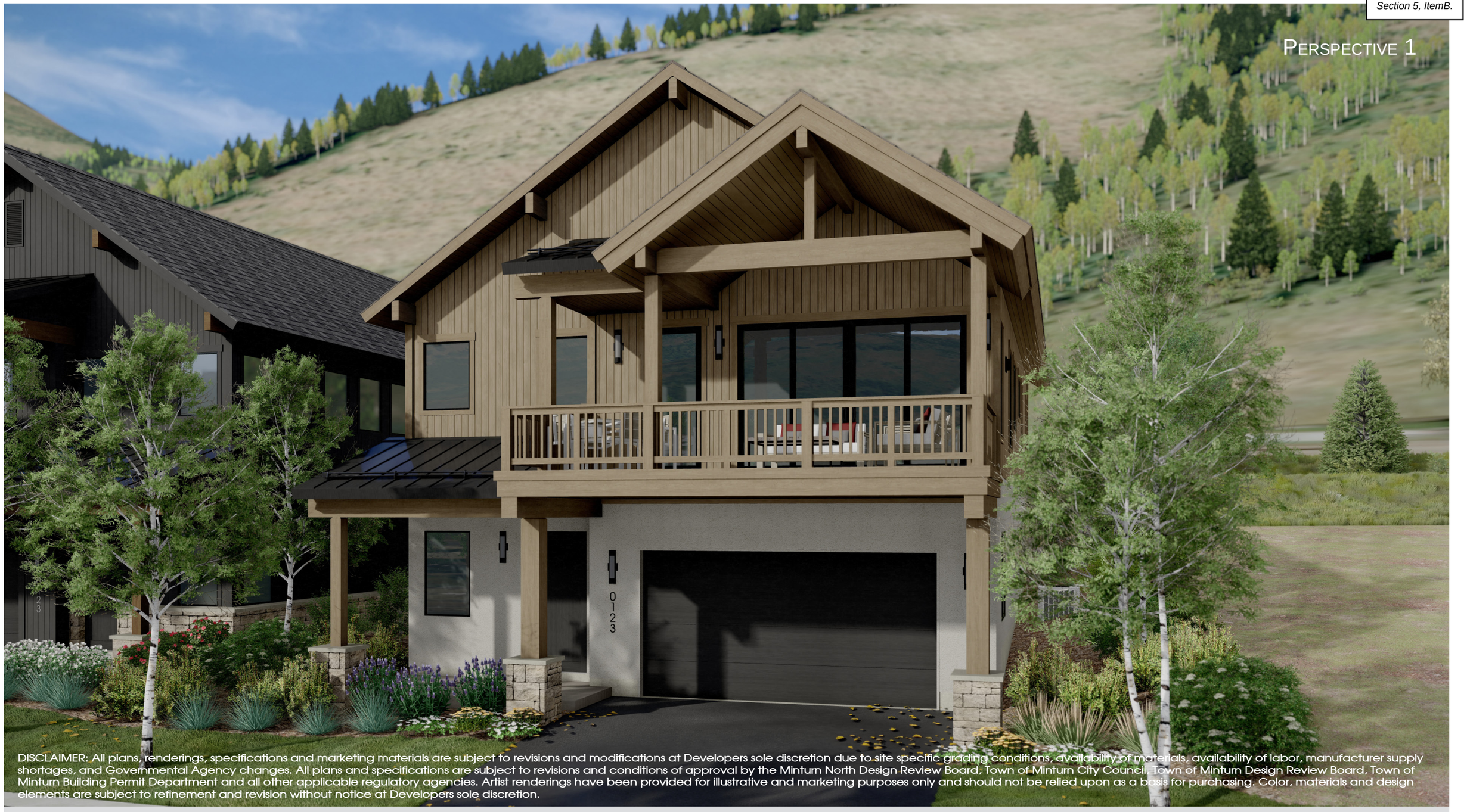
Garage Door
9'-0" x 18'-0" Insulated Metal
Color: Matte Black

Exterior Lighting
Mfg: Hinkley Mist 22" Sconce
Color: Satin Black

Entry Door
Solid Wood
Color: Custom Stain

Entry Door Hardware
Emtek Lausanne Full Plate with Helios Interior Lever
Color: Matte Black

*All product and design specifications, including, but not limited to, color, finish, model, etc., are for illustrative purposes only and are subject to change without notice.



Perspective 1

DISCLAIMER: All plans, renderings, specifications and marketing materials are subject to revisions and modifications at Developers sole discretion due to site specific grading conditions, availability of materials, availability of labor, manufacturer supply shortages, and Governmental Agency changes. All plans and specifications are subject to revisions and conditions of approval by the Minturn North Design Review Board, Town of Minturn City Council, Town of Minturn Design Review Board, Town of Minturn Building Permit Department and all other applicable regulatory agencies. Artist renderings have been provided for illustrative and marketing purposes only and should not be relied upon as a basis for purchasing. Color, materials and design elements are subject to refinement and revision without notice at Developers sole discretion.

Minturn North - Lot 35

EGGERS ARCHITECTURE, INC

AXIS VU DESIGN

DRB Design Review - 3D Views

May 17, 2024

Resort Concepts

PERSPECTIVE 2

DISCLAIMER: All plans, renderings, specifications and marketing materials are subject to revisions and modifications at Developers sole discretion due to site specific grading conditions, availability of materials, availability of labor, manufacturer supply shortages, and Governmental Agency changes. All plans and specifications are subject to revisions and conditions of approval by the Minturn North Design Review Board, Town of Minturn City Council, Town of Minturn Design Review Board, Town of Minturn Building Permit Department and all other applicable regulatory agencies. Artist renderings have been provided for illustrative and marketing purposes only and should not be relied upon as a basis for purchasing. Color, materials and design elements are subject to refinement and revision without notice at Developers sole discretion.

MINTURN NORTH - LOT 35

EGGERS ARCHITECTURE, INC

AXIS VU DESIGN

DRB DESIGN REVIEW - 3D VIEWS

MAY 17, 2024

RESORT CONCEPTS

DOP / RECHBERG RESIDENCE

30 SILVER STAR TRAIL
LOT 35, MINTURN NORTH
MINTURN, COLORADO

DRB SUBMITTAL SET — MAY 17, 2024
REVISED DRB SUBMITTAL — JUNE 14, 2024

NOTE: ALL SITE & LANDSCAPE PLANS, FLOOR PLANS, ELEVATIONS & DETAILS ARE SUBJECT TO TOWN OF MINTURN DESIGN REVEIW BOARD APPROVAL

OWNER'S REPRESENTATIVE
RESORT CONCEPTS
PO BOX 5127
EDWARDS, COLORADO 81632
(970) 926-1720

ARCHITECT
EGGERS ARCHITECTURE, INC
PO BOX 798
KREMMLING, COLORADO 80459
(970) 409-9790

STRUCTURAL ENGINEER
SUNDQUIST DESIGN GROUP
PO BOX 249
TARPON SPRINGS, FLORIDA 34688
(303) 335-6034

LANDSCAPE ARCHITECT
TOMINA TOWNSEND
PO BOX 3000
EDWARDS, COLORADO 81632
(303) 945-5252

CIVIL ENGINEER
BOUNDARIES UNLIMITED, INC.
923 COOPER AVENUE, SUITE 201
GLENWOOD SPRINGS, COLORADO 81601
(970) 945-5252

SURVEYOR
SLAGLE SURVEY SERVICES
PO BOX 751
EAGLE, COLORADO 81631
(970) 471-1499

PROJECT INFORMATION:

FLOOR AREA:	FINISHED	MECH	GARAGE	TOTAL
ENTRY LEVEL:	1,058SF	81 SF	518 SF	1,657 SF
MAIN LEVEL:	1,648 SF			1,648 SF
TOTALS:	2,706SF	81 SF	518 SF	3,305 SF

LOT AREA:	4,486.68 SF		
BUILDING COVERAGE:	2,032 SF	45.29 %	50% ALLOWABLE
IMPERVIOUS COVERAGE:	2,519 SF	56.14 %	65% ALLOWABLE

CODE INFORMATION:

JURISDICTION: TOWN OF MINTURN, COLORADO

CODES: 2021 INTERNATIONAL RESIDENTIAL CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
+ LOCAL AMENDMENTS

DRAWING SCHEDULE

C	COVER
	FINAL PLAT MINTURN NORTH P.U.D.
C.4	MINTURN NORTH PUD OVERALL GRADING PLAN
C1	SITE GRADING, DRAINAGE & EROSION CONTROL PLAN
C2	CIVIL DETAILS
L1	LANDSCAPE PLANTING PLAN
L2	LANDSCAPE SCHEDULES & DETAILS
A1.1	ENTRY LEVEL PLAN
A1.2	MAIN LEVEL PLAN
A1.3	ROOF PLAN
A2.1	BUILDING ELEVATIONS
A2.2	BUILDING ELEVATIONS
BH1	BUILDING HEIGHT CALCULATIONS

DISCLAIMER: ALL PLANS, RENDERINGS, SPECIFICATIONS AND MARKETING MATERIALS ARE SUBJECT TO REVISIONS AND MODIFICATIONS AT DEVELOPERS SOLE DISCRETION DUE TO SITE SPECIFIC GRADING CONDITIONS, AVAILABILITY OF MATERIALS, AVAILABILITY OF LABOR, MANUFACTURER SUPPLY SHORTAGES, AND GOVERNMENTAL AGENCY CHANGES. ALL PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS AND CONDITIONS OF APPROVAL BY THE MINTURN NORTH DESIGN REVIEW BOARD, TOWN OF MINTURN CITY COUNCIL, TOWN OF MINTURN DESIGN REVIEW BOARD, TOWN OF MINTURN BUILDING PERMIT DEPARTMENT AND ALL OTHER APPLICABLE REGULATORY AGENCIES. ARTIST RENDERINGS HAVE BEEN PROVIDED FOR ILLUSTRATIVE AND MARKETING PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS A BASIS FOR PURCHASING. COLOR, MATERIALS AND DESIGN ELEMENTS ARE SUBJECT TO REFINEMENT AND REVISION WITHOUT NOTICE AT DEVELOPERS SOLE DISCRETION.

EGGERS ARCHITECTURE, INC.
PO BOX 798 KREMMLING, CO 80459
(970) 724-3411 CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

DOP/RECHBERG
30 SILVER STAR TRAIL
LOT 35, MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L35

ISSUED #	DATE	BY	COMMENTS
6	6-14-24	DUE	REVISED DRB SUBMITTAL
5	5-17-24	DUE	DRB SUBMITTAL SET

C

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

MINTURN TOWN CERTIFICATE

This plat is approved by the town council of the Town of Minturn, County of Eagle, State of Colorado this 1 day of MARCH, 2024 for filing with the Clerk and Recorder of the County of Eagle, Colorado, and for conveyance of the dedications shown hereon; subject to the provisions that approval in no way obligates the Town of Minturn for financing or construction of improvements of said lands, streets or easements dedicated to the public, except as specifically agreed to by the Town Council of the Town of Minturn.

WITNESS MY HAND AND THE SEAL OF THE TOWN OF MINTURN
TOWN COUNCIL OF THE TOWN OF MINTURN

BY: _____ ATTEST: _____

MAYOR
TOWN OF MINTURN, COLORADO

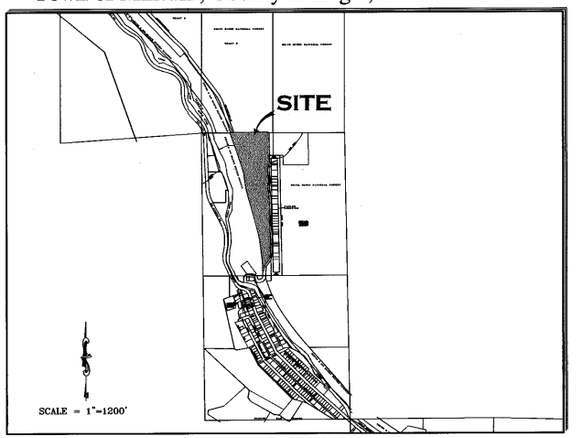
TOWN CLERK
TOWN OF MINTURN, COLORADO

SEAL
TOWN OF MINTURN COLORADO
1904

LAND USE TABLE

LOT	USE	AREA	ADDRESS
1	SINGLE FAMILY	0.196 Acres	0246 Miles End Lane
2	SINGLE FAMILY	0.189 Acres	0236 Miles End Lane
3	SINGLE FAMILY	0.193 Acres	0226 Miles End Lane
4	SINGLE FAMILY	0.181 Acres	0216 Miles End Lane
5	SINGLE FAMILY	0.191 Acres	0206 Miles End Lane
6	SINGLE FAMILY	0.166 Acres	0196 Miles End Lane
7	SINGLE FAMILY	0.158 Acres	0186 Miles End Lane
8	SINGLE FAMILY	0.166 Acres	0176 Miles End Lane
9	SINGLE FAMILY	0.164 Acres	0166 Miles End Lane
10	SINGLE FAMILY	0.164 Acres	0156 Miles End Lane
11	SINGLE FAMILY	0.164 Acres	0146 Miles End Lane
12	SINGLE FAMILY	0.172 Acres	0136 Miles End Lane
13	SINGLE FAMILY	0.157 Acres	0126 Miles End Lane
14	SINGLE FAMILY	0.176 Acres	0112 Miles End Lane
15	SINGLE FAMILY	0.209 Acres	0096 Miles End Lane
16	SINGLE FAMILY	0.263 Acres	0070 Miles End Lane
17	SINGLE FAMILY	0.189 Acres	0243 Miles End Lane
18	SINGLE FAMILY	0.200 Acres	0221 Miles End Lane
19	SINGLE FAMILY	0.165 Acres	0201 Miles End Lane
20	SINGLE FAMILY	0.164 Acres	0185 Miles End Lane
21	SINGLE FAMILY	0.164 Acres	0171 Miles End Lane
22	SINGLE FAMILY	0.166 Acres	0155 Miles End Lane
23	SINGLE FAMILY	0.174 Acres	0141 Miles End Lane
24	SINGLE FAMILY	0.185 Acres	0125 Miles End Lane
25	SINGLE FAMILY	0.166 Acres	0111 Miles End Lane
26	SINGLE FAMILY	0.202 Acres	0095 Miles End Lane
27	SINGLE FAMILY	0.199 Acres	0083 Miles End Lane
28	SINGLE FAMILY	0.160 Acres	0071 Miles End Lane
29	SINGLE FAMILY	0.159 Acres	0057 Miles End Lane
30	SINGLE FAMILY	0.158 Acres	0043 Miles End Lane
31	SINGLE FAMILY	0.178 Acres	0031 Miles End Lane
32	SINGLE FAMILY	0.177 Acres	0017 Miles End Lane
33	SINGLE FAMILY	0.176 Acres	0003 Miles End Lane
34	SINGLE FAMILY	0.103 Acres	0036 Silver Star Trail
35	SINGLE FAMILY	0.103 Acres	0030 Silver Star Trail
36	SINGLE FAMILY	0.103 Acres	0024 Silver Star Trail
37	SINGLE FAMILY	0.103 Acres	0018 Silver Star Trail
38	SINGLE FAMILY	0.099 Acres	0008 Silver Star Trail
39	SINGLE FAMILY	0.129 Acres	0001 Silver Star Trail
Tract B	OPEN SPACE	2.958 Acres	
Tract C	Town Property	0.904 Acres	0052 Minturn Road (Not of PUD)
Tract D	Right of Way	0.966 Acres	Miles End Lane (North)
Tract D1	Right of Way	0.431 Acres	Miles End Lane (South)
Tract E	Open Space	1.220 Acres	
Tract F	Open Space	0.074 Acres	
Tract G	Right of Way	0.030 Acres	Silver Star Trail
Tract H	Right of Way	0.369 Acres	Fourth Street
TOTAL		13.485 ACRES	

ADDRESSES ARE FOR INFORMATIONAL PURPOSES ONLY



PORTION OF SECTION 26,
TOWNSHIP 5 SOUTH, RANGE 81 WEST, 6th P.M.

GENERAL NOTES AND NOTES FOR CREATED EASEMENTS:
1) The purpose of this Final Plat is to Create various lots with building envelopes, open space areas and tracts, along with easements and Right of Ways, for the purposes described herein, all pursuant to Town of Minturn Land Use Regulations and Colorado Revised Statutes concerning the subdivision of land.
2) Basis of Bearing: N27°04'04" W between monuments marking the C-W 16th Corner and the Northwest Corner Section 26, Township 5 South, Range 81 West, of the 6th P.M., shown and described herein. This bearing is based on the non-recorded stamped Land Survey Plat performed by Eagle Valley Survey and dated August 7, 2018.
3) Survey Date: December, 2022 through July 2023.
4) Legal description, easements and location of boundary lines are based on Old Republic National Title Insurance Company order number no. ABC50650645-9, dated August 03, 2023, Quitclaim Deed recorded December 02, 2014 as Reception No. 201420764 along with plats and survey monumentation referenced hereon (to include the non-recorded stamped Land Survey Plat performed by Eagle Valley Survey and dated August 7, 2018). In regards to items referenced in schedule B II of this title commitmeat referenced above: Items 1-8, 10, 21, 24, 27 and 30 were not researched by surveyor or found to not contain easement restrictions or other survey or platting related issues.
Item 9 - Pipe easement does not effect this platted parcel, falls in Northeast Quarter of the Northwest Quarter of Sec 26, T5S, R81W.
Item 11&12- Ordinance and Dedication regarding Taylor Avenue. Depicted hereon by eastern Boundary, recorded in Book 248 at Page 178 and Book 248 at Page 452.
Item 13 - 20 foot Sewer Easement, Does not effect this platted Parcel.
Item 14 - Conveyance to State Department of Highways, Does not Effect these platted lands.
Item 15 - Does not effect these Platted lands but references vacation of portions of Taylor Addition to the Town of Minturn.
Item 16 - effects subject parcel as it is an Annexation of property to Town of Minturn recorded in Book 333 at Page 349.
Item 17 & 18- Do not effect subject Parcel.
Item 19 - Conveyance described in Book 687 at Page 268 does not contain any easements not already defined hereon.
Item 20 - Does not effect these Platted lands. (a.k.a. subject parcel)
Item 22 - Public Service Company of Colorado Easement, Reception No. 897924, falls off subject Parcel.
Item 23 - Boundary Agreement recorded as Reception No. 200824177, called out as adjoiner hereon.
Item 25 & 26 - Parcel is subject to Mapping of Piping and Ditches in area of this subject parcel defined in document recorded as Reception No. 201703240, and 201703454 any rights or restrictions and exact location thereof not clear to surveyor from face of documents.
Item 29 - Parcel is subject to 1904 40 foot wide easement for right of way from Denver Rio Grand Railroad to Eagle County, the location of which is not determinable from face of document. This Agreement has is to have been Terminated prior to the Recording of this Plat.
5) These platted lands are subject to:
- The Minturn North P.U.D. Guide recorded as Reception no. 202402232.
- The Declarations of Covenants, Conditions, Restrictions and Easements for Minturn North recorded as Reception No. 202402240.
- The non-exclusive Heritage Utility Easement as shown herein on page five (5) - on, over, under, above, across and through those areas designated hereon as "Heritage Utility Easement" as defined in document recorded in the Eagle County Clerk and Recorder's Office as Reception No. 202316489 .

PERTAINING TO HEREON CREATED EASEMENTS:
6) the owner, hereby reserves for themselves their successors and / or assigns the following non-exclusive easements created herein:
a) a non-exclusive utility and drainage easement as shown herein - on, over, under, above, across and through those areas designated hereon as "Utility and Drainage Easement" AND those areas of each lot outside of Building Envelopes, for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.
b) a non-exclusive Utility Easement as shown herein - on, over, under, above, across and through those areas designated hereon as "Utility Easement" for the purpose of the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress.
c) non-exclusive Access, Utility, and Drainage, Easement - on, over, under, above, across and through those areas designated hereon as "Access, Utility and Drainage Easement", and "Private Right of Way" to include, but not limited to, areas shown as Fourth Street, Tract D, Tract D1 and Tract G, for the purpose of i) Ingress and Egress, reasonable Pedestrian use including ingress and egress of persons including vehicle, foot, bicycle or small wheel use ii) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, and iii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.

GENERAL NOTES CONTINUED:
6) Continued...
d) Tract D, Tract D1, and Tract G, shall be open to Public vehicular and non- vehicular access.
e) Any Easement that permits public recreation on Private Property shall benefit from the provision of C.R.S. 33-41-101 et seq..

FOLLOWING CREATED EASEMENTS DEDICATED TO TOWN OF MINTURN:
7) the owner, hereby dedicates to the Town of Minturn the following non-exclusive easements:
a) non-exclusive Utility, Drainage, Parking, Snow Storage and Landscape Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Parking, Snow Storage & Landscape Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) the installation, use, repair, replacement, improvement and maintenance of vehicular parking area, together with right of ingress and egress thereto, reasonable Pedestrian use including ingress and egress of persons to include vehicle, foot, bicycle or non-motorized use, iv) reasonable local snow storage and v) Landscaping use, and maintenance.
b) non-exclusive Utility, Drainage, Snow Storage, Landscape and Trail Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Snow Storage, Landscape and Trail Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) reasonable local snow storage, iii) Landscaping use, and maintenance along with v) Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with sidewalk or path construction, use and repair.
c) non-exclusive Utility, Drainage, Snow Storage and Landscape Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Snow Storage & Landscape Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) reasonable local snow storage and iv) Landscaping use, and maintenance.
d) non-exclusive Trail Easement on, over, under, above, across and through those areas designated hereon as "Trail Easement" for the purpose of Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with sidewalk or path construction, use and repair.
e) a non-exclusive trail easement on, over, across, and through those strips of land depicted and designated herein as "4' Trail Easement" on sheet 5 of 5 for Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with path construction, or use. Maintenance of any path improvements within the "4' Pedestrian Easement" shall be at the sole cost and expense of the Minturn North P.O.A..
f) a non-exclusive utility and drainage easement as shown herein - on, over, under, above, across and through those areas designated hereon as " Public Utility and Drainage Easement" , as shown in Tract C, on sheet 2 of 5, for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvemeat and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.

SURVEYOR'S CERTIFICATE

I, Matthew S. Slagle, do hereby certify that I am a Professional Land Surveyor licensed to practice land surveying under the laws of the State of Colorado, That this Subdivision Plat is a true, correct and complete plat of MINTURN NORTH P.U.D., as laid out, platted, dedicated and shown hereon. that such plat was made from an accurate survey of said property by me and /or under my supervision and accurately shows the location and dimensions of the lots, easements and rights-of-way of said plat as the same are nonumented upon the ground in compliance with applicable regulation governing the subdivision of land, that such plat is based upon the professional land surveyor's knowledge, information and belief, that it has been prepared in accordance with applicable standards of practice, and that such plat is not a guaranty or warranty, either expressed or implied.

COLORADO REGISTERED 34998 PROFESSIONAL LAND SURVEYOR
02-26-24

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

Revised 02-07-24 Edited C.O.D. MSS
Revised 12-02-23 Edited Note 6a MSS
Revised 11-14-23 minor text MSS
Revised 11-07-23 Certain Dimensions MSS
Revised 11-06-23 Tract C Easements MSS
Revised 11-03-23 Town Comments MSS
Revised 10-11-23 Town Comments MSS
Revised 10-06-23 Town Comments MSS
Revised 09-26-23 Added Note regarding Tract C MSS

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVERED SUCH DEFECT. IN NO EVENT, MAY, ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF CERTIFICATION SHOWN HEREON.

CERTIFICATE OF DEDICATION AND OWNERSHIP (AND PHILIP HADLEY)

Know all men by these presents that Minturn Crossing LLC, being sole owner in fee simple, mortgagee or lienholder, of all that real property situated in the Town of Minturn, County of Eagle, State of Colorado described as follows:
Parcel 1, UPRR Subdivision according to the Final Plat thereof recorded on 13th, day of December, 2023 as Reception No. 202316483 in the Office of the Eagle County Clerk and Recorder, Eagle County, Colorado.
Containing 13.485 acres more or less; and has caused the same to be laid out, platted and subdivided, and designated as MINTURN NORTH P.U.D. subdivision in the Town of Minturn, County of Eagle, State of Colorado, and does hereby accept responsibility for the completion of the improvements required by this plat, and does hereby accept responsibility for the completion of the improvements required by this plat and does hereby dedicate and set aside the following tracts, parcels and easements as follows:
-To the Town of Minturn Tract H (Fourth Street) and the easements described and depicted hereon in General Note 7, together with associated public improvements.
-To Utility Providers such utility easements as depicted herein in which utility infrastructure is located.

OWNER: MINTURN CROSSING LLC
ADDRESS: 225 Main Street, Suite C-101
Edwards, Colorado 81632

BY: RICK HERMES
TITLE: MANAGER

STATE OF COLORADO)
)SS
COUNTY OF EAGLE)

THE FOREGOING CERTIFICATE OF DEDICATION AND OWNERSHIP WAS ACKNOWLEDGED BEFORE ME THIS 4 DAY OF MARCH, A.D, 2024 BY RICK HERMES AS MANAGER OF MINTURN CROSSING LLC.

MY COMMISSION EXPIRES: 6 AUG 27

CHRISTINE THURSTON
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20154031002
MY COMMISSION EXPIRES 08/06/2027

WITNESS MY HAND AND OFFICIAL SEAL

NOTARY PUBLIC

SUBORDINATION BY MORTGAGEE

Philip Hadley, being the holder of a promissory note secured by deed of trust recorded the 13th day of December 2023, at Reception No. 202316490, in the Office of the Clerk and Recorder of Eagle County, Colorado, hereby consents to the Subdivision of the lands set forth in this Final Plat of Minturn North, P.U.D., and subordinates the lien represented by the aforesaid Deed of Trust to the Dedications and restrictions as shown on this final plat and relative covenants, conditions and restrictions.

MORTGAGEE: Philip Hadley
BY: _____ as Individual

STATE OF Colorado)
) §
COUNTY OF Eagle)

The Foregoing Subordination by Mortgagee was acknowledged before me this 26 day of February 2024, By Philip Hadley as Individual.

WITNESS MY HAND AND OFFICIAL SEAL.

MY COMMISSION EXPIRES: Aug. 01, 2025

NOTARY PUBLIC

JESSICA L BECHARD
NOTARY PUBLIC - STATE OF COLORADO
Notary ID #20134048864
My Commission Expires 8/1/2025

CERTIFICATE OF TAXES PAID

I, the undersigned, do hereby certify that the entire amount of taxes and assessments due and payable as of JANUARY 1, 2023, 2023 upon all parcels of real estate described on this Plat are paid in full.

DATED THIS 1st OF March, A.D., 2024

R0068101

TREASURER OF EAGLE COUNTY

TITLE CERTIFICATE

LAND TITLE does hereby certify that it has examined the title to all lands shown upon this plat and that title to such is vested in MINTURN CROSSING LLC free and clear of all liens, taxes, and encumbrances, except DEED OF TRUST recorded 12/13/23, 202316490

DATED THIS 28TH DAY OF FEBRUARY, A.D., 2024

AGENT: _____

CLERK AND RECORDER'S CERTIFICATE # 5328

This Plat was filed for record in the Office of the Clerk and Recorder at 12:59 o'clock P.M., on this 4th day of March, A.D., 2024

CLERK AND RECORDER

BY: _____ DEPUTY

SLAGLE SURVEY SERVICES
800 Castle Drive - P.O. Box 751 Eagle, Colorado 81631
970.471.1499 Office matthew@slaglesurvey.com
www.SlagleSurvey.com

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

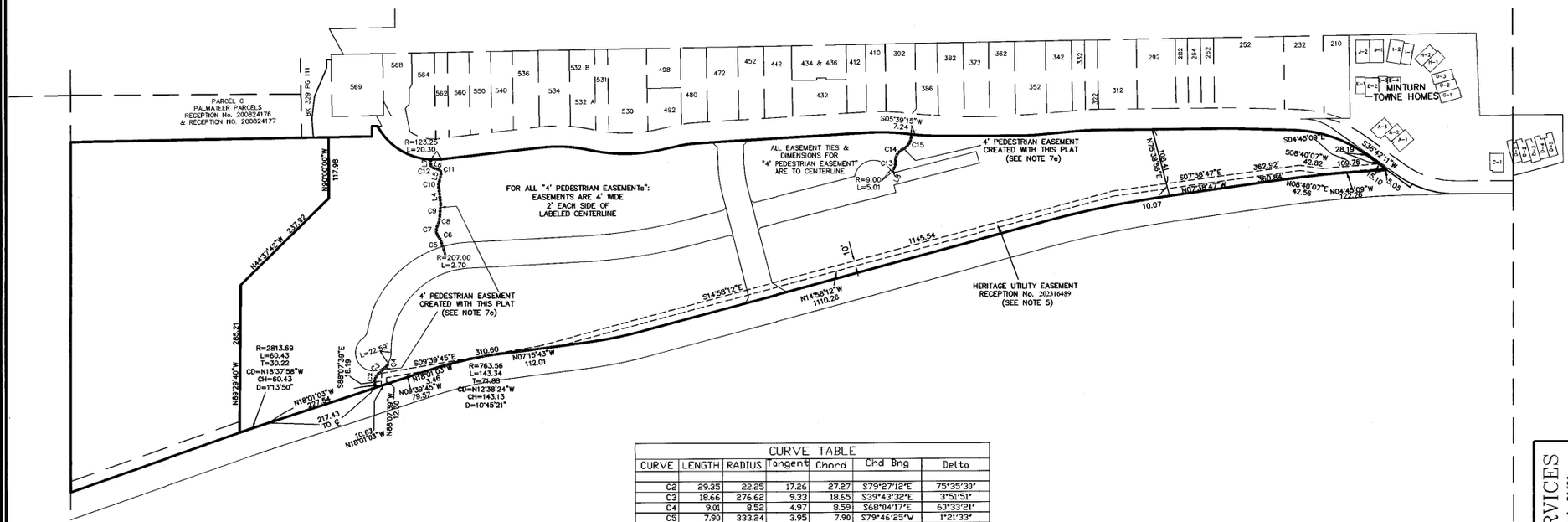
DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 1 OF 5		DATE: 08-13-2023

Eagle County, CO
Regina O'Brien
Pgs: 5
REC: $53.00 DOC: $0.00
2024022234
03/04/2024
12:59:18 PM

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 5 OF 5

ADDITIONAL EASEMENT DETAIL SHEET



LINE TABLE		
LINE	LENGTH	BEARING
L4	32.13	N83°15'49"E
L5	14.91	S77°04'30"E
L6	11.48	N18°26'21"E
L7	9.83	S89°36'46"E
L8	7.28	N62°43'18"W

CURVE TABLE						
CURVE	LENGTH	RADIUS	Tangent	Chord	Chd Brng	Delta
C2	29.35	22.25	17.26	27.27	S79°27'12"E	75°35'30"
C3	18.66	276.62	9.33	18.65	S39°43'32"E	3°51'51"
C4	9.01	8.52	4.97	8.59	S68°04'17"E	60°33'21"
C5	7.90	333.24	3.95	7.90	S79°46'25"W	1°21'33"
C6	11.08	18.95	5.70	10.93	N63°41'55"E	33°30'33"
C7	24.01	20.01	13.69	22.68	S81°19'10"W	68°45'04"
C8	20.65	49.15	10.48	20.50	S76°20'24"E	24°04'13"
C9	22.78	236.37	11.40	22.77	S85°36'54"E	5°31'15"
C10	12.77	20.27	6.60	12.56	S83°06'39"E	36°05'40"
C11	9.29	7.31	5.39	8.68	N57°19'55"E	72°46'53"
C12	8.09	6.45	4.68	7.57	N54°28'07"E	71°50'14"
C13	15.45	30.72	7.89	15.28	S77°07'28"E	28°48'21"
C14	27.14	23.79	15.26	25.69	S58°50'20"E	65°22'36"
C15	35.79	30.20	20.33	33.73	S60°06'18"E	67°54'31"

100 0 50 100 200 400

1 INCH = 100 FEET

COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR
34998
02-26-24

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

SLAGLE SURVEY SERVICES
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970.471.1499 Office matthew@slaglesurvey.com
www.SlagleSurvey.com

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

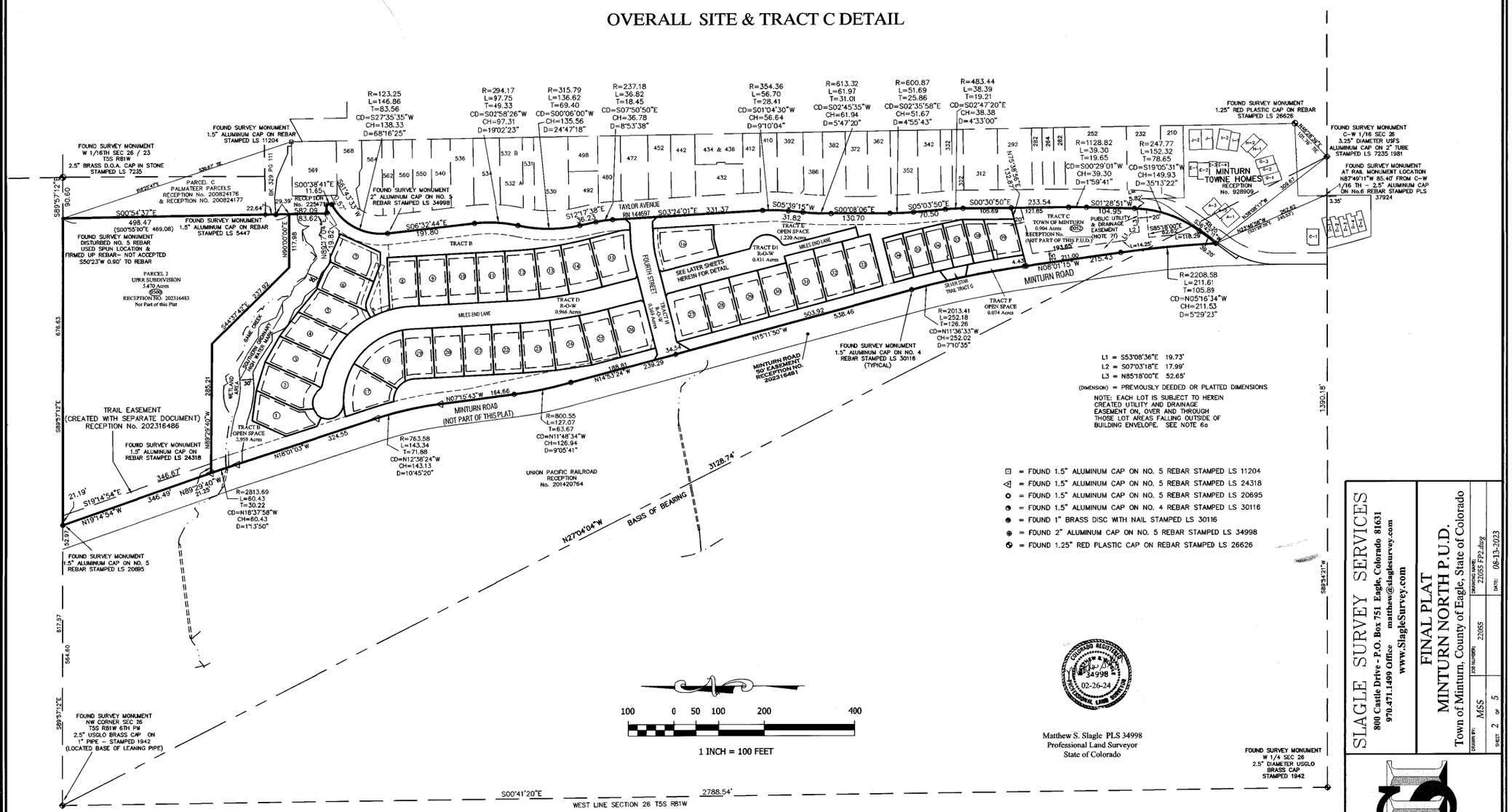
DRAWN BY: MSS | JOB NUMBER: 23055 | DRAWING NAME: 23055 FP2.dwg | SHEET: 5 OF 5 | DATE: 08-13-2023

202402234

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 2 OF 5

OVERALL SITE & TRACT C DETAIL



Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

COLORADO REGISTERED MATTHEW S. SLAGLE 34998 02-26-24 PROFESSIONAL LAND SURVEYOR

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

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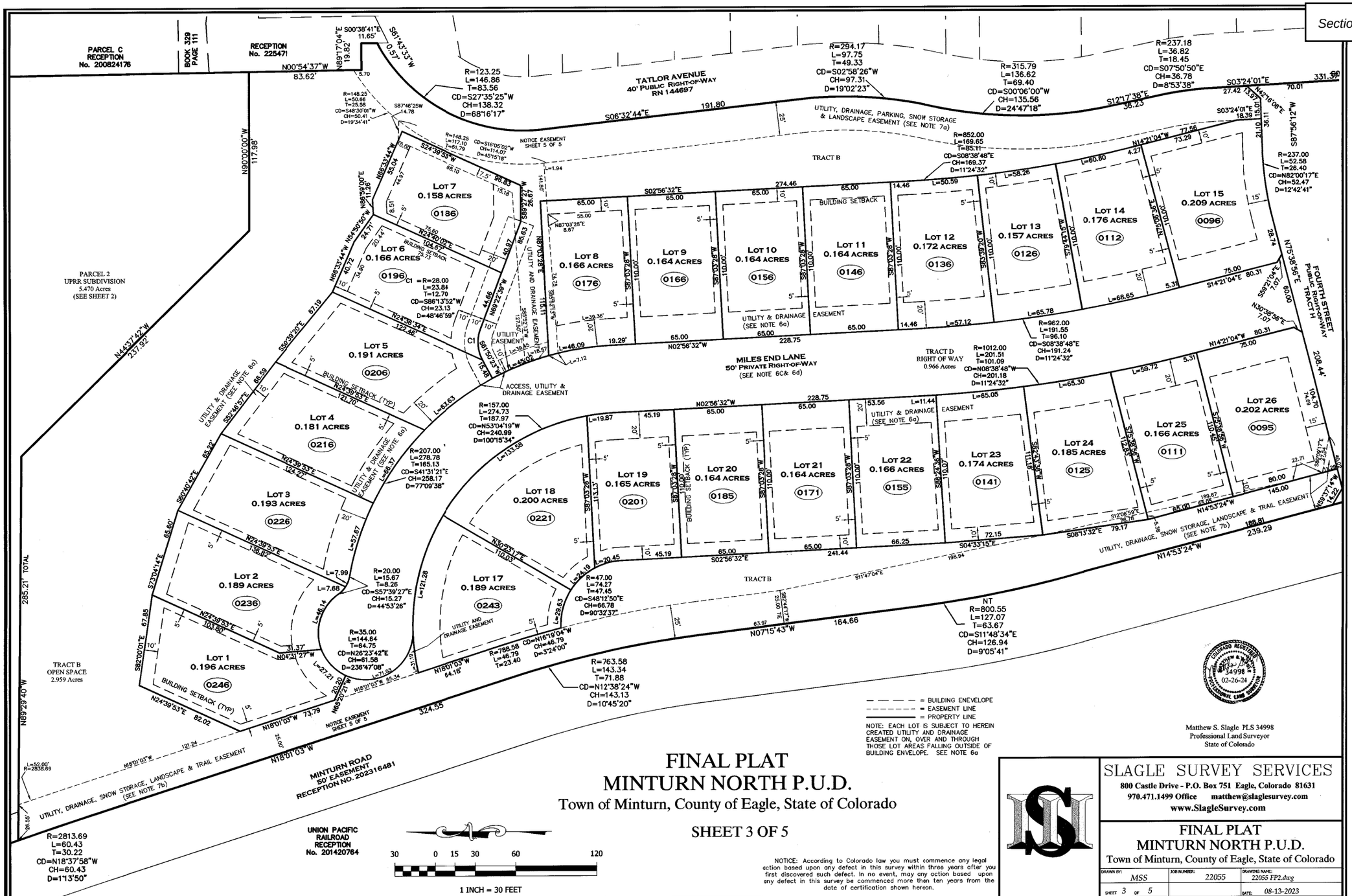
www.SlagleSurvey.com

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

DRAWN BY:	JOB NUMBER:	DRAWING NAME:	DATE:
MSS	220555	220357 FP2.dwg	08-13-2023

SHEET 2 OF 5

202402234



NOTE: EACH LOT IS SUBJECT TO HEREIN CREATED UTILITY AND DRAINAGE EASEMENT ON, OVER AND THROUGH THOSE LOT AREAS FALLING OUTSIDE OF BUILDING ENVELOPE. SEE NOTE 6a

FINAL PLAT
MINTURN NORTH P.U.D.

Town of Minturn, County of Eagle, State of Colorado

SHEET 3 OF 5

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

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970.471.1499 Office matthew@slaglesurvey.com
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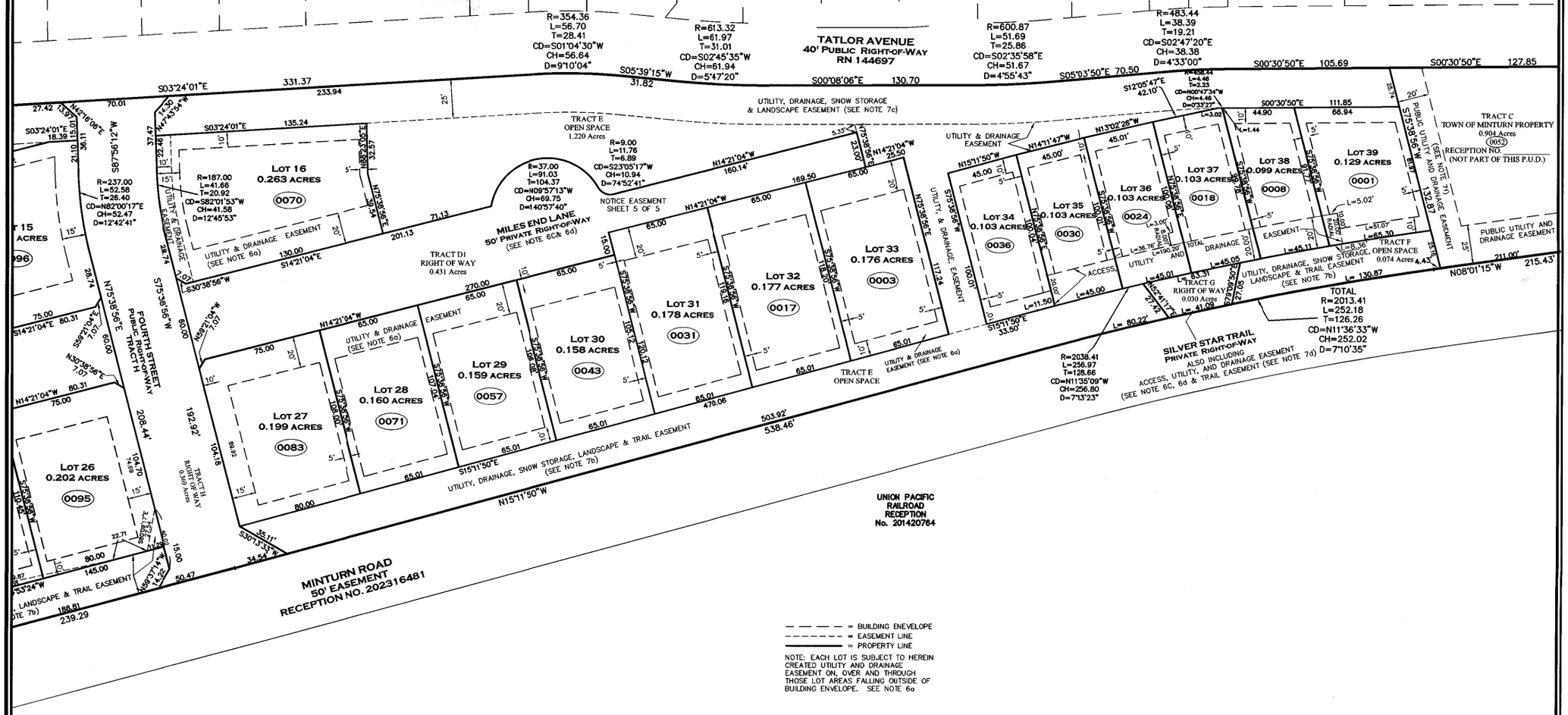
FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 3 OF 5		DATE: 08-13-2023

202402234

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 4 OF 5



COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR
34998
12-26-2024

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

30 0 15 30 60 120
1 INCH = 30 FEET

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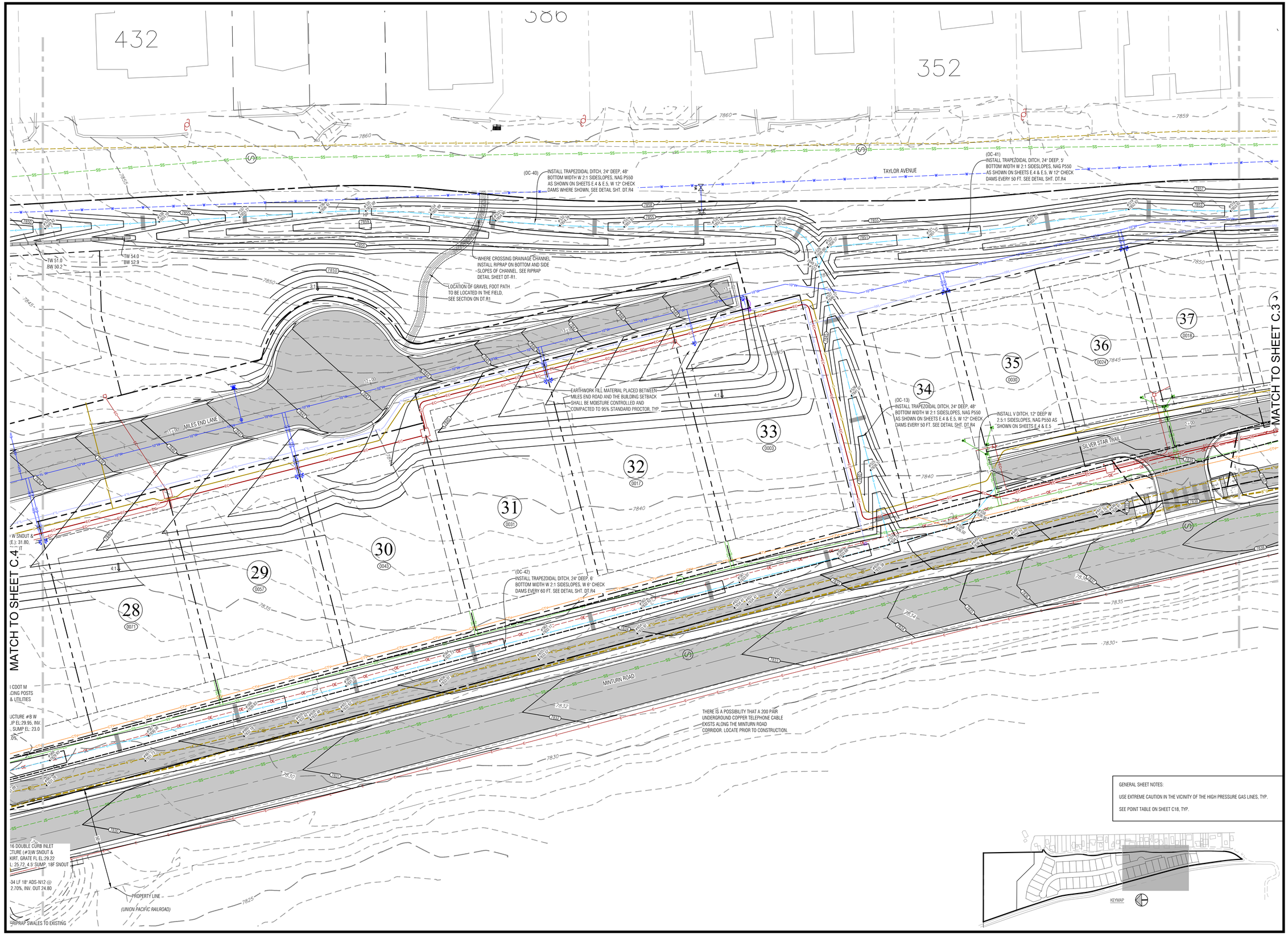
FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 4 OF 5		DATE: 08-13-2023

202402234



GENERAL SHEET NOTES:

USE EXTREME CAUTION IN THE VICINITY OF THE HIGH PRESSURE GAS LINES, TYP.

SEE POINT TABLE ON SHEET C18, TYP.

KEYMAP

Boundaries Unlimited Inc.
Civil Engineering
Surveying
& Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE) Required Project: ***TBD***

If "Yes", SUE Certification by:
Firm: ***TBD***
Job #: ***TBD***
Date: ***TBD***

Engineer or Surveyor Seal

COLORADO LICENSED
BRUCE D'LEMEN
5/1/24
19082
PROFESSIONAL ENGINEER

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 20' 40'
Scale: 1" = 20'

Know what's **below.** **Call** before you dig.

TOWN OF MINTURN, COLORADO

Minturn North P.U.D.

Overall Grading and Drainage Plan
Construction Plan Set 5/1/24

No.	Date	Revision	By
1			
2			
3			
4			
5			
6			
7			
8			
9			

PROJECT NO. ***22036***
Designer: ***PAH***
Drafter: ***BUI***
Date: ***12/25/22***

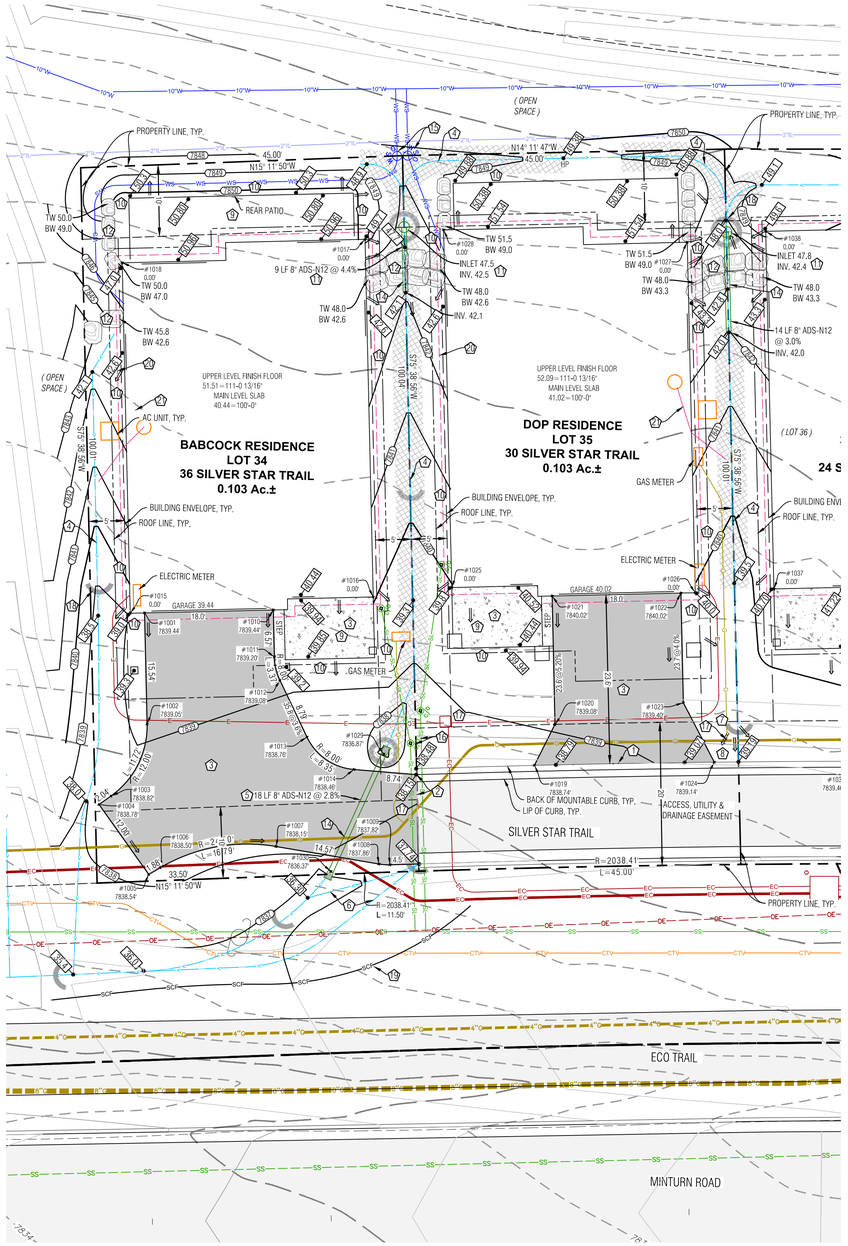
Sheet ***C.4***

File Name: ***22036 c-grading.dwg***

N:\PROJECTS\2022\22036 Minturn North\dwg\22036 C-Grading.dwg 5/15/2024 10:51 AM

Point Table				
Point #	Desc.	Elev.	North	East
1001	DW	7839.44'	3169.66	5568.35
1002	DW	7839.05'	3165.81	5553.29
1003	DW	7838.82'	3168.46	5542.35
1004	DW	7838.78'	3169.81	5540.82
1005	DW	7838.54'	3160.84	5532.86
1006	DW	7838.50'	3159.48	5534.15
1007	DW	7838.15'	3144.38	5540.69
1008	DW	7837.86'	3129.84	5541.54
1009	DW	7837.82'	3128.29	5541.79
1010	DW	7839.44'	3152.22	5572.81
1011	DW	7839.20'	3150.59	5566.44
1012	DW	7839.08'	3149.10	5563.44
1013	DW	7838.76'	3143.63	5556.56
1014	DW	7838.46'	3136.21	5553.63
1015	Bldg. Cor.	0.00'	3171.60	5567.85

Point Table				
Point #	Desc.	Elev.	North	East
1016	Bldg. Cor.	0.00'	3139.03	5577.73
1017	Bldg. Cor.	0.00'	3151.42	5626.17
1018	Bldg. Cor.	0.00'	3183.74	5615.32
1019	DW	7838.74'	3111.77	5559.88
1020	DW	7839.08'	3110.28	5566.08
1021	DW	7840.02'	3114.70	5583.50
1022	DW	7840.02'	3097.26	5587.96
1023	DW	7839.40'	3093.47	5573.10
1024	DW	7839.14'	3087.38	5565.99
1025	Bldg. Cor.	0.00'	3128.63	5581.49
1026	Bldg. Cor.	0.00'	3095.32	5588.46
1027	Bldg. Cor.	0.00'	3107.47	5635.93
1028	Bldg. Cor.	0.00'	3141.03	5629.93
1029	Inv.	7836.87'	3132.62	5556.67
1030	Inv.	7836.37'	3136.14	5539.01



LEGEND

TW	TOP OF WALL
BW	BOTTOM OF WALL
GB	GRADE BREAK
EX	EXISTING
LP	LOW POINT
HP	HIGH POINT
7836.75	PROPOSED SPOT ELEVATION
	DRAINAGE SWALE
	FLOW ARROW
SCF	SEDIMENT CONTROL FENCE
8020 / 8018	PROPOSED MAJOR/MINOR CONTOUR
8020 / 8018	EXISTING MAJOR/MINOR CONTOUR
	EROSION LOGS
	ASPHALT DRIVEWAY & AUTOCOURT
	NORTH AMERICAN GREEN SC-250BN EROSION CONTROL FABRIC OR RIPRAP ALTERNATIVE
	FLAGNOTE
	EX CURB STOP
PROPOSED / EXISTING	
E / E	POSSIBLE ELECTRIC SERVICE
G / G	POSSIBLE GAS SERVICE
WS / WS	POSSIBLE WATER SERVICE
SL / SL	POSSIBLE SEWER SERVICE
	FOUNDATION DRAIN
8"SD / SD	DOWNSPOUT & STORM DRAIN WITH SIZE
	BOULDER WALL

NOTES:

1) BASIS OF ELEVATION: NAVD88 BASED ON THE ORIGINAL TOPOGRAPHIC MAP OF MINTURN NORTH PREPARED BY GORE RANGE SURVEYING, LLC., JOB NO. 19-1203, DATED 4/1/21. NO BENCHMARK WAS NOTED ON THE BASE SURVEY.

2) THE BOUNDARY DIMENSIONS, EASEMENTS AND RIGHTS OF WAY SHOWN HEREON ARE BASED ON THE FINAL PLAT OF MINTURN NORTH PUD, AND SURVEY CONTROL MONUMENTS FOUND AT THE TIME OF THE SURVEY AND SHOWN ON THE SURVEY REFERENCED ABOVE.

3) SEE ADDITIONAL SITE NOTES & DETAILS ON SHEET C2.

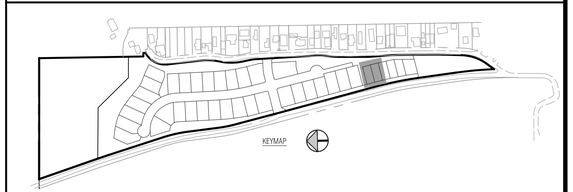
4) EXISTING CONTOUR INTERVAL IS 1 FT., PROPOSED CONTOUR INTERVAL IS 1 FT.

5) LOT AREA: LOT 34 4,501 SF ± LOT 35 4,497 SF ±
DISTURBANCE AREA: 4,501 SF ± 4,497 SF ±

6) THIS (CIVIL) PLAN SET IS INTENDED TO BE PLOTTED IN COLOR. FAILURE TO DO SO MAY RESULT IN MISSING DATA & INFORMATION CRITICAL TO THE PROJECT.

FLAGNOTES:

1. MATCH TO BACK OF EXISTING CURB.
2. MATCH NEW DRIVEWAY TO EDGE OF ROADWAY AND FLOWLINE OF CURB.
3. PROPOSED ASPHALT DRIVEWAY, AUTO-COURT AND CONCRETE WALKWAYS, STRUCTURAL FILL UNDER THE BUILDING TO FOLLOW THE DIRECTION OF THE GEOTECH REPORT, ALL EARTHWORK CONSTRUCTION TO BE APPROVED BY THE GEOTECHNICAL ENGINEER.
4. PROVIDE DRAINAGE SWALE AS SHOWN, WITH NORTH AMERICAN GREEN SC250 EROSION FABRIC OR RIPRAP WHERE SLOPE EXCEEDS 5%. SEE DETAIL.
5. INSTALL STORM DRAIN W/FES EACH END, INV. IN = 36.87, INV. OUT = 36.37.
6. RESHAPE SWALE TO ALLOW DRAINAGE TO DRAIN TO SUBDIVISION CHANNEL.
7. WHERE PROPOSED SWALE DAYLIGHTS WITH NATURAL GROUND, FAN OUT DRAINAGE SWALE TO EVENLY DISSIPATE DRAINAGE, TYP.
8. SPILL THE LOCAL CHANNEL OVER THE TOP OF THE CURB LINE.
9. SLOPE PATIOS, DECKS AND WALKS AT 2% MIN. AWAY FROM THE STRUCTURE.
10. GRADE AROUND THE PERIMETER OF BUILDING AS NECESSARY 10% FOR 5-FEET MIN. (10 FT. WHERE POSSIBLE) IN UNPAVED AREAS TO ENSURE PROPER DRAINAGE AWAY FROM THE FOUNDATION. IT WILL BE IMPORTANT TO CONSTRUCT AND DIRECT SURFACE DRAINAGE AWAY FROM BUILDING, WALKS AND WALLS TO EITHER THE AUTOCOURT, THE OUTLET SWALE, OR DOWNWARD SLOPING NATURAL GRADE. VERIFY DRAINAGE AND SWALE INTEGRITY ON A REGULAR BASIS.
11. INSTALL 8' NYLOPLAST DRAIN BASIN WITH DOME GRATE, SEE DETAIL ON SHEET C2, SHAPE & DRAIN ALL SURROUNDING AREA TO LOW POINT WHICH IS THE INLET. NO DRAINAGE ALLOWED TO BOULDER WALL. INSTALL HEAT TAPE IN DRAIN BASIN AND OUTLET PIPE.
12. INSTALL BOULDER WALL FOR LANDSCAPE AREAS PER THE DETAIL ON SHEET C2. WALL DRAIN LINES NOT SHOWN.
13. PROTECT STORM LINES AND UTILITIES WHEN CONSTRUCTING IMPROVEMENTS ABOVE FROM MATERIAL AND EQUIPMENT, TYP. BRIDGE ABOVE STORM DRAIN AS NECESSARY.
14. LOCATE EXISTING CURB STOP, CONFIRM LOCATION AND CONNECTION WITH THE WATER & SANITATION DISTRICT, CONNECT AND EXTEND NEW WATER SERVICE TO MECHANICAL ROOM. MAINTAIN COVER OVER NEW SERVICE PER DISTRICT REGULATIONS. INSULATE THE WATER SERVICE IF COVER IS LESS THAN 7 FEET NEAR THE RETAINING WALL AND IN THE VICINITY OF THE DRAINAGE INLET.
15. APPROXIMATE LOCATION OF SEWER SERVICE STUB, CONFIRM INVERT PRIOR TO CONSTRUCTION FOR ABILITY TO SERVICE HOUSE BY GRAVITY, OR WHETHER A PUMP MAY BE REQUIRED. CONNECT AND EXTEND NEW SEWER SERVICE TO MECHANICAL ROOM. MAINTAIN COVER OVER NEW SERVICE PER DISTRICT REGULATIONS. INSTALL CLEANOUTS AT HOUSE EXTERIOR AND ALL BEND LOCATIONS.
16. LOCATE, CONNECT TO, AND EXTEND GAS, ELECTRIC, AND COMMUNICATION SERVICES TO METER CABINET AND GAS METER LOCATION, MAINTAIN COVER & CLEARANCES BETWEEN/OVER NEW SERVICES PER UTILITY REGULATIONS
17. EROSION LOGS PER DETAIL ON SHEET C2.
18. SEDIMENT CONTROL FENCE PER DETAIL ON SHEET C2.
19. FOUNDATION DRAIN, TYP., INSTALL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT, DRAIN @ 0.5% MIN. TO DAYLIGHT, SEE DETAIL ON SHT. C2. DRAIN TO A SUMP PUMP IN THE MECHANICAL ROOM. SUMP PUMP RE: MECHANICAL.
20. EXTEND THE FOUNDATION DRAIN FROM SUMP PUMP IN HOUSE TO DAYLIGHT WITH SOLID PIPE. COVER WITH A RODENT SCREEN AT END.



Boundaries Unlimited Inc.
Civil Engineering
Surveying
& Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: ***TBD***

If "Yes", SUE Certification by:
Firm: ***TBD***
Job #: ***TBD***
Date: ***TBD***

Engineer or Surveyor Seal

NOT FOR Review CONSTRUCTION

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 10' 20'
Scale: 1" = 10'

811 Know what's below. Call before you dig.

TOWN OF MINTURN, COLORADO

Lot 34 And 35, Minturn North P.U.D.

Site, Grading and Drainage Plan

Revised DRB Resubmittal 6/14/24

No.	Date	Revision	By
1.			
2.			
3.			
4.			
5.			
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9.			

PROJECT No. ***23035***
Designer: ***PAH***
Drafter: ***BUI***
Date: ***4/18/24***

Sheet ***C1***

File Name: ***mn lot 34-35 sp-01.dwg***

N:\PROJECTS\2023\23035-Minturn North Individual Lots\dwg\Lot 34-35 Babcock.Dop\MN Lot 34-35 SP-01.dwg
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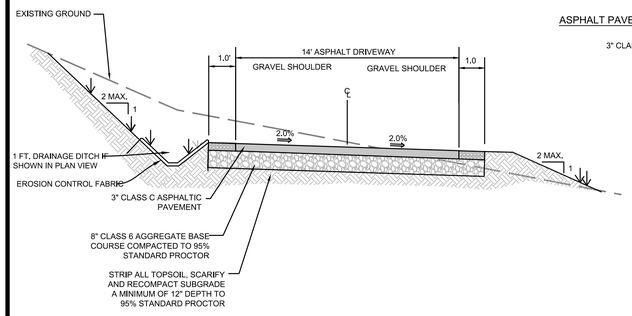
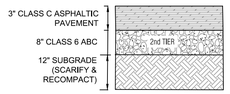


ASPHALT PAVEMENT SECTION



PAVEMENT SECTION

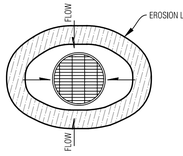
NOTE:
1. ALL AGGREGATE & SUBGRADE MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR AT A MOISTURE CONTENT WITHIN 2% OF OPTIMUM.
2. IN NEW PAVING LOCATIONS STRIP ALL TOPSOIL, SCARIFY AND RECOMPACT SUBGRADE A MINIMUM OF 12" DEPTH TO 95% STANDARD PROCTOR.
3. EXTEND THE SECOND TIER (12" CLASS 2 ROAD BASE, OR 8" CLASS 6 ROAD BASE) 1 FT. BEYOND EDGE OF PAVEMENT OR GRAVEL SURFACE, BOTH SIDES.

PROPOSED DRIVEWAY TYP. SECTION

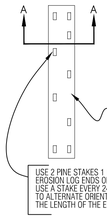
N.T.S. TO BE VERIFIED BY PROJECT GEOTECHNICAL ENGINEER

DRIVEWAY & AUTOCOURT SECTION

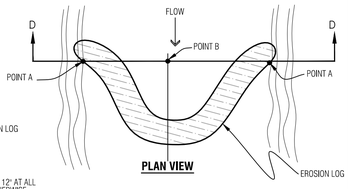
N.T.S. CONTRACTOR TO VERIFY WITH PROJECT GEOTECHNICAL CONSULTANT.



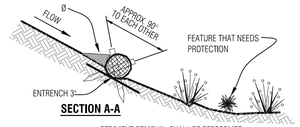
AREA DRAIN



PLAN VIEW

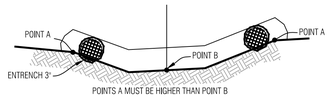


PLAN VIEW



SECTION A-A

Ø SEDIMENT REMOVAL SHALL BE PERFORMED CONTINUOUSLY FOR PROPER FUNCTION.

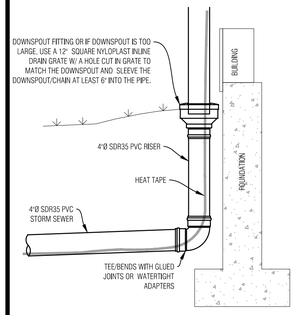


SECTION D-D

Temporary Erosion Control Log

N.T.S.

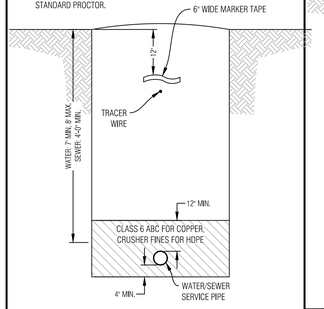
NOTES:
1. ROOF AND AREA DRAINS SHALL NOT BE CONNECTED TO THE FOUNDATION DRAIN SYSTEM.
2. ALL DOWNSPOUTS SHALL BE CONNECTED TO ADS N-12-WT CPP (WATERTIGHT), SCH.40 PVC OR SDR35 PVC. FLEXIBLE CORRUGATED PLASTIC IS NOT ACCEPTABLE.
3. ADDITIONAL FITTINGS AND BENDS MAY BE REQUIRED TO DEFLECT OVER OR AROUND LANDSCAPE WALLS.
4. HEAT TAPE SHALL BE INSTALLED IN ALL DOWNSPOUTS/STORM SEWER PIPES.



TYP. DOWNSPOUT CONNECTION

N.T.S.

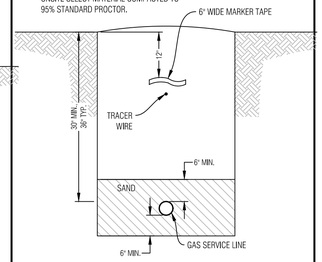
NOTES:
1. WATER SHALL BE INSTALLED WITH AT LEAST 10' OF SEPARATION BETWEEN WATER/SEWER AND 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



WATER/SEWER SERVICE TRENCH

N.T.S.

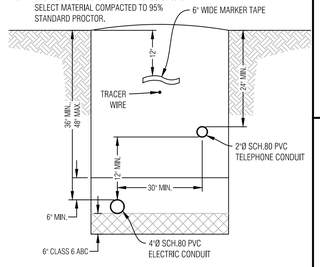
NOTES:
1. GAS SHALL BE INSTALLED WITH AT LEAST 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



GAS SERVICE TRENCH

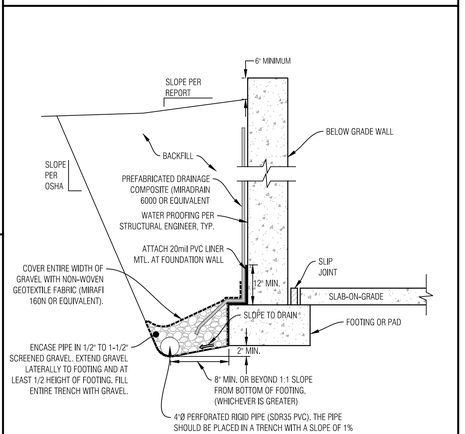
N.T.S.

NOTES:
1. ELECTRIC & TELEPHONE SHALL BE INSTALLED WITH AT LEAST 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



ELECTRIC & COMM. SERVICE TRENCH

N.T.S.



NOTES:
1. THE BOTTOM OF THE DRAIN SHOULD BE AT LEAST 2 INCHES BELOW BOTTOM OF FOOTING AT THE HIGHEST POINT AND SLOPE DOWNWARD TO A POSITIVE GRAVITY OUTLET OR TO A SUMP WHERE WATER CAN BE REMOVED BY PUMPING.
2. CONTRACTOR TO FOLLOW ANY ADDITIONAL RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER

TYPICAL FOUNDATION DRAIN

N.T.S.

CONTRACTOR TO VERIFY WITH PROJECT GEOTECHNICAL CONSULTANT.

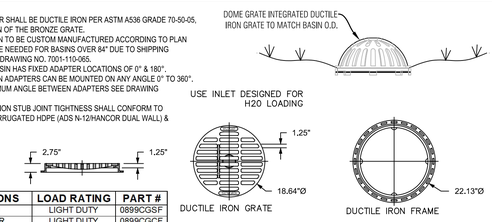
GENERAL NOTES:

1. ALL CONSTRUCTION SHALL MEET OR EXCEED THE CURRENT CONSTRUCTION AND DESIGN STANDARDS ESTABLISHED BY THE DESIGN GUIDELINES AND TOWN OF MINTURN AND BE SUBJECT TO OBSERVATION BY THE TOWN AND THE PROJECT ENGINEER. IN THE EVENT OF CONFLICT PUD GUIDELINES SUPERCEDE TOWN.
2. THIS DESIGN WAS PREPARED WITHOUT THE BENEFIT OF A SUBSURFACE UTILITY ENGINEERING (SUE) STUDY OR MAP. THIS DESIGN HAS BEEN PREPARED FOR A PRIVATE DEVELOPMENT USING EXISTING UTILITY INFORMATION PROVIDED BY OTHERS. EXISTING UTILITIES ARE SHOWN AS THEY ARE BELIEVED TO EXIST, BUT MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. BOUNDARIES UNLIMITED INC. DID NOT CONFIRM ANY DATA PROVIDED OR PERFORM ANY ADDITIONAL RESEARCH OR NOTIFICATION TO ELEVATE THESE PLANS TO SENATE BILL 18-167 STANDARDS, AS SUCH, BOUNDARIES UNLIMITED INC. MAKES NO GUARANTY, EXPRESSED OR IMPLIED, FOR THE LOCATION OF SUBSURFACE UTILITIES CONTAINED WITHIN THIS PLAN SET. IF THE CLIENT AND/OR CONTRACTOR REQUIRES A SUBSURFACE UTILITY ENGINEERING STUDY OR MAP FOR FULL COMPLIANCE WITH SENATE BILL 18-167, THEN A MORE EXHAUSTIVE INVESTIGATION SHALL BE OBTAINED BY THE CLIENT AND/OR CONTRACTOR PRIOR TO COMMENCING WITH ANY CONSTRUCTION. OTHERWISE, PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES FOR LINE LOCATIONS. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER OF ANY POTENTIAL CONFLICTS PRIOR TO UTILITY CONSTRUCTION SO THAT LINE OR GRADE CHANGES CAN BE MADE TO AVOID A CONFLICT WITH ANY EXISTING UTILITY. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION AND, AT NO EXPENSE TO THE CLIENT OR PROJECT ENGINEER, REPAIR ANY DAMAGED UTILITIES.
3. ALL EXCAVATIONS FOR UTILITY LINES, RETAINING WALLS, ROADWAYS, BUILDING STRUCTURES, DRAINAGE FACILITIES AND TRENCHES, SHALL MEET THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), COLORADO INDUSTRIAL COMMISSION, OR THE COLORADO DIVISION OF MINES, WHICH EVER APPLIES. SAFETY IS THE CONTRACTOR'S RESPONSIBILITY. NO OTHER PARTIES ARE RESPONSIBLE FOR SAFETY IN, ON OR ABOUT THE SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATING HERETO.
4. COMPACTION MUST BE ATTAINED AND COMPACTION RESULTS SUBMITTED TO THE TOWN AND THE PROJECT ENGINEER PRIOR TO ACCEPTANCE. COMPACTION SHALL MEET OR EXCEED TOWN REGULATIONS. 95% STANDARD PROCTOR DENSITY IS REQUIRED FOR ALL ROADWAY AND DRIVEWAY SUBGRADE CONSTRUCTION AND TRENCH BACKFILL UNDER THE SAME, & 90% STANDARD PROCTOR DENSITY IN LANDSCAPE AREAS, UNLESS NOTED OTHERWISE OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. SEE SOILS REPORT FOR STRUCTURAL FOUNDATION RECOMMENDATIONS.
5. THE CONTRACTOR SHALL CONTAIN HIS CONSTRUCTION ACTIVITIES TO THE AREA WITHIN THE STREET RIGHT OF WAY AND PROPERTY OWNED, OR EASEMENTS PROVIDED TO OWNER. THE CONTRACTOR SHALL NOT OPERATE OUTSIDE THIS AREA WITHOUT THE PRIOR CONSENT OF THE PROPERTY OWNER INVOLVED. ANY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE THESE LIMITS WITHOUT THE PERMISSION OF THE PRIVATE PROPERTY OWNER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL ENSURE DRAINAGE AWAY FROM ALL STRUCTURES IN ALL DIRECTIONS. DO NOT ALLOW WATER TO POND ON-SITE, PROVIDE SWALES TO DRAINAGE STRUCTURES AND RUNOUT. SHALLOW DRAINAGE SWALES HAVE A TENDENCY OVER TIME TO FILL IN & BECOME LESS EFFECTIVE. PERIODIC MAINTENANCE, AT LEAST TWICE A YEAR, IS NECESSARY TO CHECK THE INTEGRITY OF THE SWALE & MAINTAIN DRAINAGE CHARACTERISTICS. BUILDING FOUNDATION WALL HEIGHT TO BE A MINIMUM OF 6" ABOVE FINISH GROUND AT EXTERIOR WALL.
7. THE CONTRACTOR SHALL AT ALL TIMES KEEP TWO FULL SETS OF CONTRACT DRAWINGS MARKED UP TO INDICATE THE AS-BUILT CONDITIONS. THE DRAWINGS SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER UPON COMPLETION OF THE WORK. WHERE PRACTICAL, THE CONTRACTOR IS TO PROVIDE AT LEAST TWO TIES FROM PHYSICAL MONUMENTS TO ALL FITTINGS, VALVES, MANHOLES, AND THE END OF ALL SERVICE LINES.
8. ON-SITE OBSERVATIONS AND REVIEW CONDUCTED BY THE TOWN OR THE PROJECT ENGINEER OF CONSTRUCTION WORK IN PROGRESS ARE NOT TO BE CONSTRUED AS A GUARANTEE OR WARRANTY BY THE TOWN OR THE PROJECT ENGINEER OF THE COMPLETED WORK AND THE CONTRACTOR'S RESPONSIBILITIES.
9. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO SIGNIFICANTLY REDUCE ANY POTENTIAL POLLUTION CAUSED BY HIS ACTIVITIES, INCLUDING VEHICLE FUELING, STORAGE OF FERTILIZERS OR CHEMICALS, ETC. THE CONTRACTOR SHALL HAVE IDENTIFIED PROCEDURES FOR HANDLING POTENTIAL POLLUTANTS AND IDENTIFIED SPILL PREVENTION AND RESPONSE PROCEDURES PRIOR TO ANY ACTIVITIES AT THE PROJECT SITE.
10. THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. ANY MISSING DIMENSIONS OR DISCREPANCIES IN PLANS, FIELD STAKING, OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING THE ENGINEER, HE DOES SO AT HIS OWN RISK.
11. DISPOSAL OF TRASH, ASPHALT, CONCRETE AND CONSTRUCTION DEBRIS IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE CONSIDERED PART OF THE WORK.
12. HORIZONTAL & VERTICAL INFORMATION FOR EXISTING PROPERTY LINES, TOPOGRAPHY, ROADWAY, UTILITIES & DRAINAGE STRUCTURES WERE TAKEN FROM THE DESIGN DRAWINGS FOR THE MINTURN NORTH PUD, ALSO SEE LANDSCAPE, ARCHITECTURAL AND STRUCTURAL ENGINEERING PLANS FOR ADDITIONAL BUILDING AND LANDSCAPE INFORMATION.
13. IN NON HARDSCAPE AREAS, GRADE AT A MINIMUM OF 12" IN THE FIRST 5 FEET AWAY FROM THE STRUCTURE, OR AS DIRECTED BY THE GEOTECHNICAL STUDY. EXTERIOR BACKFILL SHOULD BE ADJUSTED TO NEAR OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY IN PAVEMENT AREAS AND TO AT LEAST 90% OF THE MAXIMUM STANDARD PROCTOR DENSITY IN LANDSCAPE AREAS. SEE & FOLLOW RECOMMENDATIONS OF THE GEOTECHNICAL SUBSOIL STUDY BY KUMAR & ASSOCIATES, INC. DATED _____, JOB NO. _____.
14. ALL PRODUCT INFORMATION SHOWN IS AS PROVIDED BY THE MANUFACTURER. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND COMPLYING WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS FOR THE INSTALLATION OF ALL MATERIALS WITH SPECIAL ATTENTION TO PROPER SEALING OF MATING SURFACES. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE DELIVERED PRODUCTS AND THOSE SHOWN ON THIS PLAN.
15. FOUNDATION AND RETAINING WALL DESIGNS TO BE OBTAINED FROM, OR VERIFIED BY THE PROJECT STRUCTURAL OR GEOTECHNICAL ENGINEER.
16. THE FOUNDATION DRAIN SYSTEM SHALL BE INSTALLED PER THE RECOMMENDATION OF THE STRUCTURAL AND GEOTECHNICAL ENGINEERS.
17. THE SURVEYOR RESPONSIBLE FOR STAKING THE FOUNDATION OF THE HOUSE IS RESPONSIBLE TO MAKE SURE HE HAS THE LATEST SITE, FOUNDATION & ARCHITECTURAL PLANS AVAILABLE, ALONG WITH ANY UPDATED LOTLINE, SETBACK & EASEMENT INFORMATION.
18. INSTALL ROOF GUTTERS AND DOWNSPOUTS THAT DISCHARGE WELL BEYOND THE LIMITS OF ALL BACKFILL. CONFIRM DOWNSPOUT DRAINAGE HAS GOOD POSITIVE GRADE RUNNING AWAY FROM THE HOUSE. STORM DRAIN PIPES TO BE INSTALLED WITH 1% MINIMUM SLOPE TO THE OUTFALL POINTS. HEAT TAPE SHALL BE INSTALLED IN ALL EXTERIOR ROOF GUTTERS, DRAIN PIPES, DOWNSPOUTS, AREA DRAINS, TRENCH DRAINS, STORM DRAIN PIPES AND GRATED STRUCTURES.
19. LANDSCAPING WHICH REQUIRES REGULAR HEAVY IRRIGATION SUCH AS SOD, AND LAWN SPRINKLER HEADS SHOULD BE LOCATED AT LEAST 10 FEET FROM FOUNDATION WALLS.
20. ACCUMULATED SNOWFALL SHALL BE REMOVED TO GRASS AREA TO ENSURE THAT PROPER DRAINAGE AWAY FROM THE BUILDING IS MAINTAINED.
21. FINISH GRADE & SPOT ELEVATIONS AT THE EXTERIOR OF THE STRUCTURE ASSUME THAT THE FOUNDATION WALLS EXTEND ABOVE THE BUILDING FINISH FLOOR & HANGER FLOOR JOISTS ARE USED. EXTERIOR GRADE TO BE A MINIMUM OF 6" BELOW TOP OF FOUNDATION WALL. THE FOUNDATION WALL HEIGHT MAY NEED TO BE EXTENDED IN ORDER TO ACHIEVE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE.
22. INSTALL DEEP & SHALLOW UTILITY SERVICES ACCORDING TO RESPECTIVE UTILITY COMPANY OR METRO DISTRICT SPECIFICATIONS AND REGULATIONS. HORIZONTAL LOCATIONS OF SERVICE LINES ARE SUGGESTIONS ONLY. PROPOSED UTILITY SERVICES TO THE RESIDENCE MAY BE VARIED FROM THE LOCATIONS SHOWN. ALL WATER AND SEWER SERVICES SHALL BE INSTALLED PER METRO DISTRICT REGULATIONS.
23. DRAINAGE PIPES CALLED OUT AS ADS SHALL BE ADVANCED DRAINAGE SYSTEMS N-12 WATER RESISTANT PIPE (ADS N-12-WT) OR ENGINEER APPROVED EQUAL. ALL PIPES SHALL BE INSTALLED WITH WATERTIGHT CONNECTIONS.
24. CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITTING FOR CONSTRUCTION FROM THE APPROPRIATE GOVERNMENTAL ENTITIES.
25. ALL UTILITIES, BOTH UNDERGROUND OR OVERHEAD, SHALL BE MAINTAINED IN CONTINUOUS SERVICE THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR DAMAGES TO, OR INTERRUPTION OF, SERVICES CAUSED BY THE CONSTRUCTION.

GENERAL NOTES

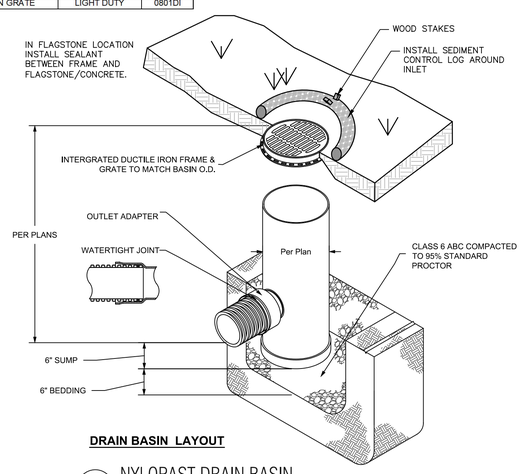
N.T.S.

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2 - CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
3 - STANDARD DRAIN BASIN HAS FIXED ADAPTER LOCATIONS OF 0° & 180°. CUSTOM DRAIN BASIN ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL) & PVC SEWER (4" - 24").



GRATE OPTIONS	LOAD RATING	PART #
STANDARD	LIGHT DUTY	0899CGSF
SOLID COVER	LIGHT DUTY	0899CGCF
BRONZE	N/A	0899CGBF
DOME	N/A	0899CGDF
DROP IN GRATE	LIGHT DUTY	0801DI

STANDARD GRATE ASSEMBLY

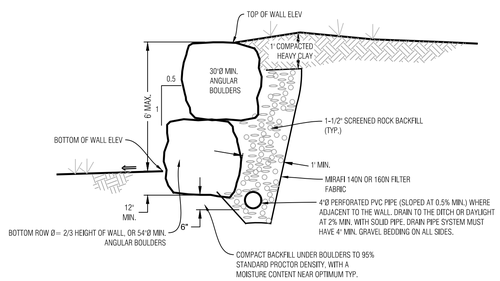


DRAIN BASIN LAYOUT

NYLOPAST DRAIN BASIN

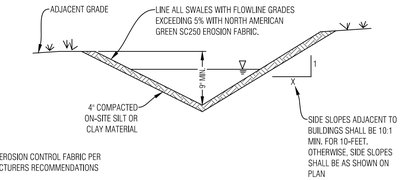
N.T.S. 8 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL 7001-110-272

NOTES:
1. THIS DETAIL IS FOR RETAINING LANDSCAPED AREAS ONLY AND SHALL NOT BE USED TO RETAIN STRUCTURE OR VEHICLE LOADED AREAS.
2. FREE DRAINING WALL BACKFILL SHOULD BE CAPPED WITH AT LEAST 12 INCHES OF COMPACTED HEAVY CLAYS TO REDUCE SURFACE WATER INFILTRATION.
3. ROUND RIVER BOULDERS ARE NOT ACCEPTABLE.
4. SET BASE ROWS ON BENCHES WHERE THE TOPSOIL HAS BEEN REMOVED AND THE SUBBASE HAS BEEN SCARIFIED TO 9" MINIMUM DEPTH & RECOMPACTED TO 95% STANDARD PROCTOR.
5. CARE SHOULD BE TAKEN NOT TO OVER COMPACT THE BACKFILL OR USE LARGE EQUIPMENT NEAR THE WALL.
6. SELECT AND PLACE BOULDERS IN A MANNER WHICH PERMITS AT LEAST 30% CONTACT AREA WITH ADJACENT BOULDERS.
7. PLACE LARGER BOULDERS AT BOTTOM AND TRANSITION TO SMALLER BOULDERS AT TOP OF WALL. UNDER NO CIRCUMSTANCES SHOULD ANY BOULDER BE PLACED ON TOP OF ANOTHER BOULDER WHICH IS SMALLER THAN ITSELF.



BOULDER WALL DETAIL, LANDSCAPED AREA

N.T.S.

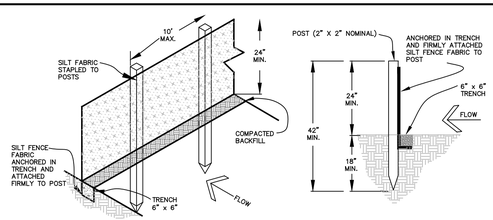


INSTALL EROSION CONTROL FABRIC PER MANUFACTURERS RECOMMENDATIONS

TYPICAL SWALE SECTION

N.T.S. SHAPE DITCH ACCORDING TO SITE PLAN

NOTE
SEE THE GRADING, DRAINAGE AND EROSION CONTROL SHEET FOR SWALE LOCATIONS



EROSION CONTROL NOTES:

1. IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL MEASURES SHALL PRECEDE STRIPPING OF NATIVE VEGETATIVE COVER AND AS GRADING PROGRESSES.
2. ALL TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. STRAW BALE DIKES OR SILT FENCING MAY REQUIRE PERIODIC REPLACEMENT. SEDIMENT TRAPS WILL REQUIRE PERIODIC SEDIMENT REMOVAL.
3. INSTALL PERMANENT EROSION FABRIC IN THE FLOW LINES OF DRAINAGE SWALES.

SEDIMENT CONTROL FENCE DETAIL

N.T.S.

Boundaries Unlimited Inc.
Civil Engineering Surveying & Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE) Required Project: **TBD**

If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

NOT FOR Review CONSTRUCTION

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 10' 20'
Scale: 1" = 10'

811 Know what's below. Call before you dig.

TOWN OF MINTURN, COLORADO

Lot 34 And 35, Minturn North P.U.D.

Notes and Details

Revised DRB Resubmittal 6/14/24

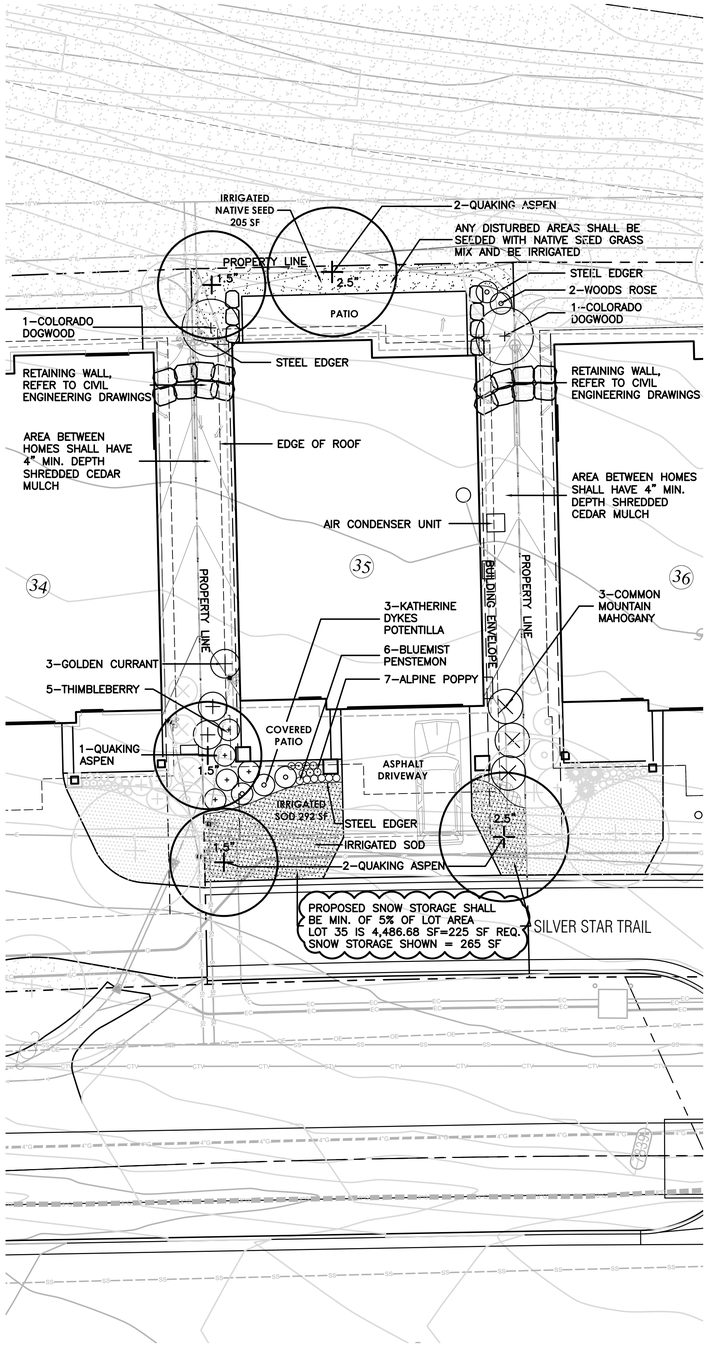
No.	Date	Revision	By
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			

PROJECT NO. **23035**
Designer: **PAH**
Drafter: **BUI**
Date: **4/18/24**

Sheet **C2**

File Name: ***mn lot 34-35 sp-01.dwg***

N:\PROJECTS\2023\23035-Minturn North Individual Lots\dwg\Lot 34-35 Babcock Dup\MN Lot 34-35 SP-01.dwg
6/14/2024 3:32 PM



LEGEND

- IRRIGATED SOD, REFER TO L2 FOR DETAILS
- NATIVE SEED MIX WITH TEMPORARY IRRIGATION, REFER TO L2 FOR DETAILS
- PROPOSED RETAINING WALL, REFER TO CIVIL ENGINEERING FOR DETAILS
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- PROPOSED DECIDUOUS SHRUBS
- PROPOSED ORNAMENTAL GRASSES
- PROPOSED FLOWERING PERENNIALS
- SNOW STORAGE AREA

Know what's below. Call before you dig.

LANDSCAPE ARCHITECT:
TOMINA TOWNSEND, LA
PO BOX 3000, PMB 301
EDWARDS, CO 81632
P. 303.572.7876
TTownsend@ResortConceptsCO.com

MINTURN NORTH P.U.D.

LOT 35-LANDSCAPE PLAN

TOWN OF MINTURN, COLORADO

DESIGNED: TT
DRAWN: TT
CHECKED: RH
DATE: May 17, 2024
REVISIONS:

REVISION BASED ON DRB COMMENTS: 6.14.24
VERIFIED SQUARE FEET OF LOT AREA

0 5 10 20
SCALE: 1"=10'–0"

REVISED DRB SUBMITTAL

SHEET TITLE:

PROPOSED LANDSCAPE PLAN

SCALE: 1"=10'-0"

SHEET NUMBER:

L1

General Notes and Specifications:

1. All areas disturbed by construction and not designated a shrub bed or sod, shall be planted with the specified native grass seed.
2. The contractor shall maintain positive drainage away from all walls and walkways. Fine grading shall be approved prior to planting.
3. The Landscape Plan shall be reviewed on site prior to installation to ensure planting meets the intent of the design guidelines and Town of Minturn standards.
4. See Civil Engineering sheets for final grading and drainage.
5. Snow Storage area shall be a min. of 25% of all driveway and parking areas.

Revegetation Notes:

1. Seed shall be broadcast and raked to ¼" depth.
2. Apply Biodegradable Green Dyed-Wood Celluose-Fiber Mulch to all seeded Areas at a rate of 20 lbs. per 1,000 s.f.
3. Prior to seeding, apply min. 6" topsoil, 10 lbs./1,000 s.f. Superphosphate and 40 lbs./1,000 s.f. Biosol Complete Fertilizer.

Fire Mitigation Recommendations:

1. Zone 1 (15' from building and integral planting): no highly flammable plants, such as evergreen trees and shrubs should be planted within 15' of the structure or attachments.
2. Zone 2 (70' from building and Integral planting): a 10' crown separation must be maintained for all evergreen trees and shrubs over 4' height. A 4' crown separation must be maintained for evergreen shrubs under 4' height.
3. Plants listed on forest service publication 6.305 FireWise Plant Material can be used in any zone.
4. Existing junipers within Zone 1 and Zone 2 must be limbed ⅓ of their total height, but no more than 10' height.
5. Dead limbs shall be removed from all existing Serviceberry within Zone 1 or Zone 2.
6. If necessary, final existing vegetation to be limbed or removed for fire mitigation purposes will be subject to the constraints of the final unit site plans and reviewed on site with a representative from the Town of Minturn on a unit by unit basis prior to construction.

LEGEND & IRRIGATION CALCULATIONS:

Permanent Irrigation		Square Footage of Irrigation
	Permanent Pop–Up Spray Irrigation For Bluegrass Sod	292 SF
	Permanent Spray Irrigation For Native Seed	205 SF
	Permanent micro–spray or drip irrigation for perennial beds	13 PERENNIALS x 1 SF = 13 SF
	Permanent Drip Irrigation For B&B Trees	5 TREES x 4.5 SF = 22.5 SF
	Permanent Drip Irrigation For 5 gal. Shrubs & Grasses	18 SHRUBS x 3 SF = 54 SF
		TOTAL PERMANENT IRRIGATED AREA: 587 SF

IRRIGATION NOTES:

1. DESIGN CRITERIA: DESIGN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO UNIFORMLY IRRIGATE ALL PLANTING AREAS. ZONE IRRIGATED SOD, NATIVE SEED GRASS, AND SHRUB PLANTING AREAS SEPARATELY. PROVIDE DRIP IRRIGATION FOR SHRUB BEDS. PROVIDE MICRO–SPRAY HEADS OR DRIP IRRIGATION, DEPENDING ON PLANT MATERIAL, IN PERENNIAL AND GROUNDCOVER BEDS. DESIGN ROTORS FOR TURF GRASS AREAS MORE THAN 40' WIDE, AND POP–UP SPRAY HEADS FOR AREAS LESS THAN 40' WIDE.
2. ALL TREES AND SHRUBS TO BE DRIP IRRIGATED.

ALL DISTURBED AREAS SHALL BE SEEDED WITH: 'DRY NATIVE MOUNTAIN' SEED MIX

THIS SEED MIX HAS BEEN CHOSEN FOR THE SPECIFIC PROJECT LOCATION AND ELEVATION. LANDSCAPE INSTALLER SHALL NOT DEVIATE FROM THIS REVEGETATION SEED MIX WITHOUT WRITTEN APPROVAL FROM THE RESORT CONCEPTS SITE MANAGER.

COMMON NAME	SEEDING RATE % MIX	BULK LBS PER ACRE
SANDBERG BLUE	10%	5.00
MOUNTAIN BROME	20%	10.00
SLENDER WHEATGRASS	15%	7.50
BLUEBUNCH WHEATGRASS	10%	5.00
ROCKY MOUNTAIN FESCUE	10%	5.00
THICKSPIKE WHEATGRASS	15%	7.50
BOTTLEBRUSH SQUIRRELTAIL	2.5%	1.25
STREAMBANK WHEATGRASS	15%	7.50
PRAIRIE JUNEGRASS	2.5%	1.25
TOTAL LBS./ACRE	100%	50

NOTES:

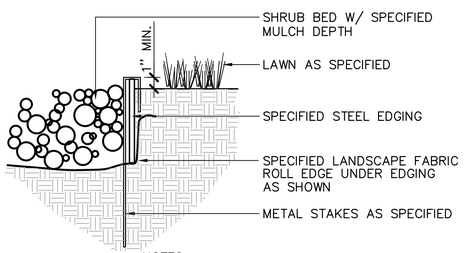
PERCENTAGES OF MIXES VARY YEAR–TO–YEAR DEPENDING ON HARVEST OF SEEDS. HYDROSEED OR HAND BROADCAST: 1 LB. PER 1,000 SQ. FT. OR 50 LBS. PER ACRE. RAKE IN ¼" DEEP AND IRRIGATE, IF POSSIBLE UNTIL ESTABLISHED. 'DRY NATIVE MOUNTAIN' SEED MIX IS AVAILABLE FROM PAWNEE BUTTES SEED INC., 605 25TH STREET, GREELEY, CO 80632.
PHONE: 1–800–782–5947
WEBSITE: PAWNEEBUTTESSEED.COM

PROPOSED PLANT MATERIALS LIST

Note: All plant material has been chosen from the CSU Extension Office recommended plant lists. These lists have been cross referenced to find suitable plants for the elevation of Minturn (10,000 ft and above), and also to maximize use of plants native to the area, low-water use plants, and plants that enhance habitat and food sources for insects, butterflies, birds and other animals. The cross referenced lists are the following:

- CSU Extension, Fire Wise Plant Materials - 6.305
- CSU Extension, Trees and Shrubs for Mountain Areas - Fact Sheet No. 7.423
- CSU Extension, Low-Water Native Plants for Colorado Gardens, Mountains 7,500' and Above - CO Native Plant Society
- CSU Extension, Native Trees for Colorado Landscapes - Fact Sheet No. 7.421
- CSU Extension, Native Shrubs for Colorado Landscapes - Fact Sheet No. 7.422

QUAN.	COMMON/ BOTANICAL NAME	FIRE MITIGATION ZONE	SIZE	COMMENTS
	DECIDUOUS TREES			
3	Quaking Aspen Populus tremuloides	1 & 2	1.5" cal.	Specimen quality B&B, guyed
2	Quaking Aspen Populus tremuloides	1 & 2	2.5" cal.	Specimen quality B&B, guyed
	PERENNIAL FLOWERS (planted @ 12" O.C. spacing)			
7	Alpine Poppy Papaver alpinum	1 & 2	Flats of 15	
6	Bluemist Penstemon Penstemon virens	1 & 2	Flats of 15	
	DECIDUOUS SHRUBS			
2	Colorado Dogwood Cornus sericea coloradense	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
3	Common Mountain Mahogany Cercocarpus montanus	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
3	Golden Currant Ribes aureum	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
3	Katherine Dykes Potentilla Potentilla fruticosa 'Katherine Dykes'	1 & 2	5 gal.	Container, 5 canes minimum 12"–18" ht.
5	Thimbleberry Rubus parviflorus	1 & 2	5 gal.	Container, 5 canes minimum 18"–24" ht.
2	Wood's Rose Rosa woodsii	1 & 2	5 gal.	Container, 5 canes minimum 12"–18" ht.



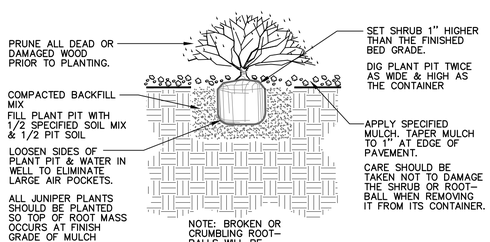
NOTES:
1) SET ALL EDGING 1" ABOVE FINISH GRADE AS SHOWN.

2) EDGING SHALL ABUT ALL CONCRETE CURBS AND WALKS PERPENDICULAR, AND FLUSH W/ GRADES OF CONCRETE.

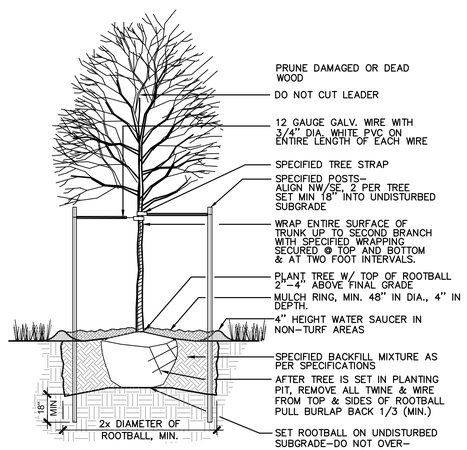
3) ALL JOINTS TO BE SECURELY STAKED.

4) CONTRACTOR SHALL CUT TOP EDGE(S) AS NEEDED TO BE PARALLEL WITH GRADE.

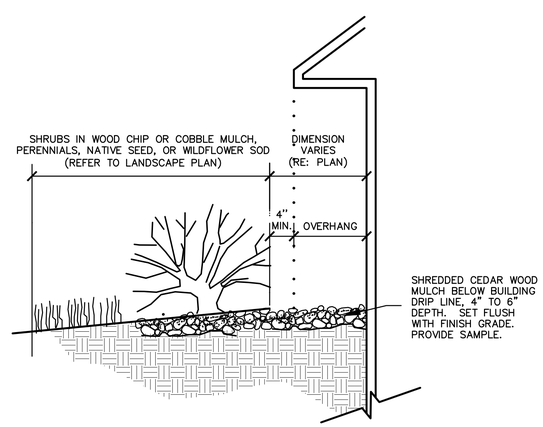
1 L2 STEEL EDGER — NOT TO SCALE



2 L2 SHRUB PLANTING — NOT TO SCALE



3 L2 DECIDUOUS TREE PLANTING — NOT TO SCALE



4 L2 MULCH ARMORED DRIP LINE — NOT TO SCALE

LANDSCAPE ARCHITECT:
TOMINA TOWNSEND, LA
PO BOX 3000, PMB 301
EDWARDS, CO 81632
P. 303.572.7876
TTownsend@ResortConceptsCO.com

MINTURN NORTH P.U.D.
LOT 35-LANDSCAPE PLAN
TOWN OF MINTURN, COLORADO

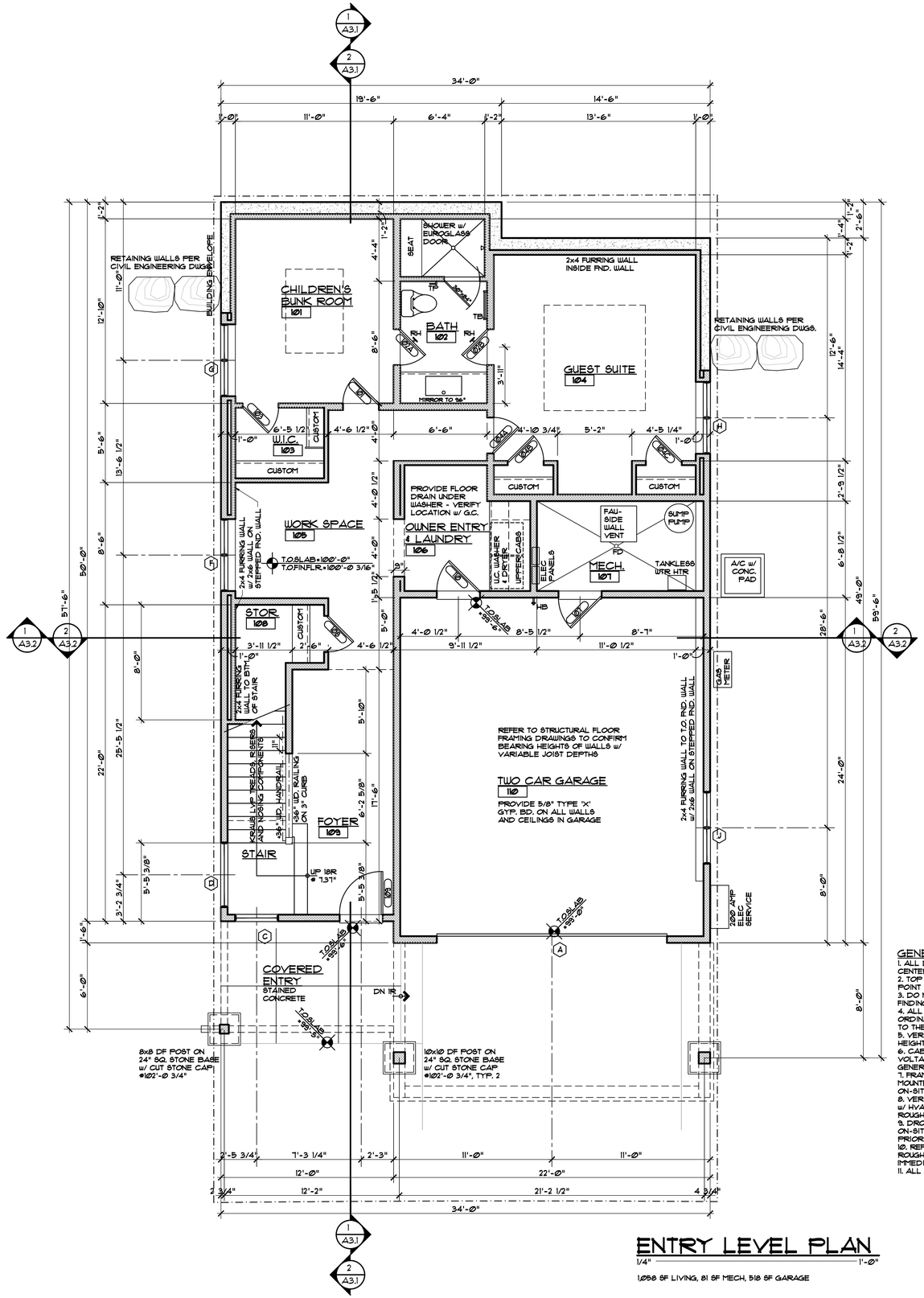
DESIGNED: TT
DRAWN: TT
CHECKED: RH
DATE: May 17, 2024
REVISIONS:

REVISION BASED ON DRB COMMENTS: 6.14.24
VERIFIED SQUARE FEET OF LOT AREA

REVISED DRB SUBMITTAL

SHEET TITLE:
LANDSCAPE NOTES & DETAILS

SCALE: NOT TO SCALE
SHEET NUMBER:
L2



ENTRY LEVEL PLAN

1/4" = 1'-Ø"

1058 SF LIVING, 81 SF MECH, 518 SF GARAGE

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CONCRETE OR CENTER OF POSTS, UNLESS NOTED OTHERWISE.
2. TOP OF WALL HEIGHTS EQUAL TOP OF FLAT PLATE OR LOWER POINT ON BEVELED WALL PLATES.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY UPON FINDING ANY DISCREPANCIES IN DOCUMENTS.
4. ALL WORK SHALL COMPLY WITH STATE & LOCAL CODES AND ORDINANCES, BE BUILT TO INDUSTRY STANDARDS AND BE PERFORMED TO THE HIGHEST LEVEL OF CRAFTSMANSHIP.
5. VERIFY ALL FINISHED FLOOR THICKNESS FOR DETERMINING MOUNTING HEIGHTS, STAIR CONSTRUCTION, ETC. (3/4" SHOWN ON PLANS MAY VARY).
6. CABINET LAYOUT, APPLIANCE SPECIFICATIONS, AND ELECTRICAL/LOW VOLTAGE REQUIREMENTS & LOCATIONS NEED TO BE VERIFIED BY GENERAL CONTRACTOR PRIOR TO INSTALLATION.
7. FRAMING CONTRACTOR TO PROVIDE BLOCKING FOR ALL SURFACE MOUNTED ACCESSORIES AND SHALL COORDINATE PLACEMENT WITH ON-SITE SUPERVISOR PRIOR TO INSTALLATION.
8. VERIFY ALL VENTING, DUCTWORK, SUPPLY AND RETURN AIR LOCATIONS w/ HVAC CONTRACTOR PRIOR TO COMPLETION OF FRAMING & ELECTRICAL ROUGH-IN. GENERAL CONTRACTOR TO APPROVE ALL LOCATIONS.
9. DROPPED CEILING AND SOFFIT LOCATIONS SHALL BE APPROVED BY ON-SITE SUPERVISOR AND COORDINATED W/ M.E.P. SUB-CONTRACTORS PRIOR TO INSTALLATION.
10. REFER TO WINDOW MANUFACTURER SHOP DRAWINGS FOR EXACT ROUGH OPENINGS FOR ALL DOORS & WINDOWS. NOTIFY ARCHITECT IMMEDIATELY WITH ANY ISSUES REGARDING HEADERS AND/OR POSTING.
11. ALL INTERIOR DRYWALL IS 5/8" GYPSUM BOARD, U.N.O.

DISCLAIMER: ALL PLANS, RENDERINGS, SPECIFICATIONS AND MARKETING MATERIALS ARE SUBJECT TO REVISIONS AND MODIFICATIONS AT DEVELOPERS SOLE DISCRETION DUE TO SITE SPECIFIC GRADING CONDITIONS, AVAILABILITY OF MATERIALS, AVAILABILITY OF LABOR, MANUFACTURER SUPPLY SHORTAGES, AND GOVERNMENTAL AGENCY CHANGES. ALL PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS AND CONDITIONS OF APPROVAL BY THE MINTURN NORTH DESIGN REVIEW BOARD, TOWN OF MINTURN CITY COUNCIL, TOWN OF MINTURN DESIGN REVIEW BOARD, TOWN OF MINTURN BUILDING PERMIT DEPARTMENT AND ALL OTHER APPLICABLE REGULATORY AGENCIES. ARTIST RENDERINGS HAVE BEEN PROVIDED FOR ILLUSTRATIVE AND MARKETING PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS A BASIS FOR PURCHASING. COLOR, MATERIALS AND DESIGN ELEMENTS ARE SUBJECT TO REFINEMENT AND REVISION WITHOUT NOTICE AT DEVELOPERS SOLE DISCRETION.

EGGERS ARCHITECTURE, INC.
PO BOX 798 KREMMLING, CO 80459
(970) 724-3411 CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

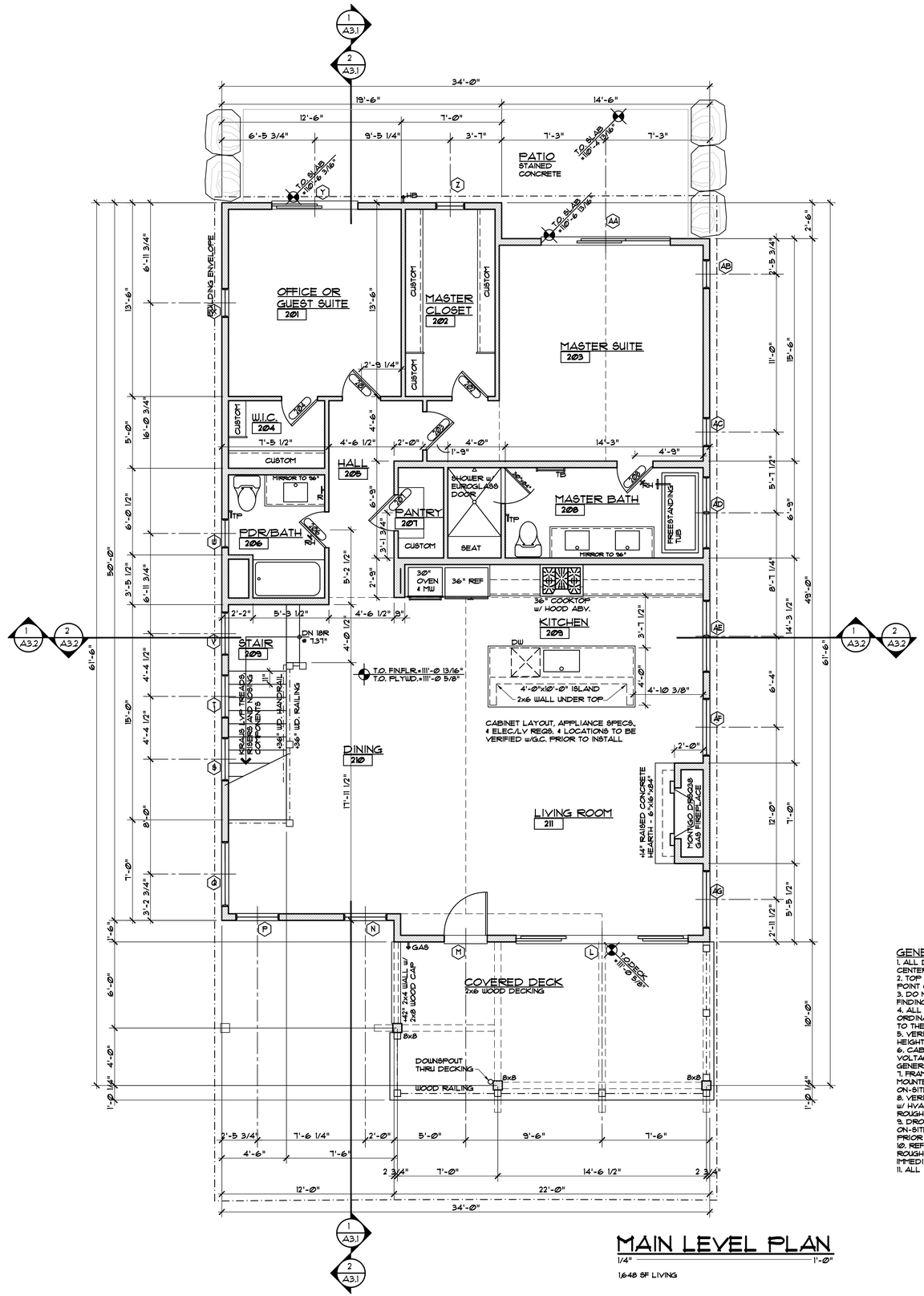
RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

DOP/RECHBERG
30 SILVER STAR TRAIL
LOT 35, MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L35

ISSUED #	DATE	BY	COMMENTS
6	6-14-24	DUE	REVISED DRB SUBMITTAL
5	5-17-24	DUE	DRB SUBMITTAL SET

A1.1



MAIN LEVEL PLAN

1/4" = 1'-0"

1,648 SF LIVING

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CONCRETE OR CENTER OF POSTS, UNLESS NOTED OTHERWISE.
2. TOP OF WALL HEIGHTS EQUAL TOP OF FLAT PLATE OR LOWER POINT ON BEVELED WALL PLATES.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY UPON FINDING ANY DISCREPANCIES IN DOCUMENTS.
4. ALL WORK SHALL COMPLY WITH STATE & LOCAL CODES AND ORDINANCES, BE BUILT TO INDUSTRY STANDARDS AND BE PERFORMED TO THE HIGHEST LEVEL OF CRAFTSMANSHIP.
5. VERIFY ALL FINISHED FLOOR THICKNESS FOR DETERMINING MOUNTING HEIGHTS, STAIR CONSTRUCTION, ETC. (3/4" SHOWN ON PLANS MAY VARY).
6. CABINET LAYOUT, APPLIANCE SPECIFICATIONS, AND ELECTRICAL/LOW VOLTAGE REQUIREMENTS & LOCATIONS NEED TO BE VERIFIED BY GENERAL CONTRACTOR PRIOR TO INSTALLATION.
7. FRAMING CONTRACTOR TO PROVIDE BLOCKING FOR ALL SURFACE MOUNTED ACCESSORIES AND SHALL COORDINATE PLACEMENT WITH ON-SITE SUPERVISOR PRIOR TO INSTALLATION.
8. VERIFY ALL VENTING, DUCTWORK, SUPPLY AND RETURN AIR LOCATIONS w/ HVAC CONTRACTOR PRIOR TO COMPLETION OF FRAMING & ELECTRICAL ROUGH-IN. GENERAL CONTRACTOR TO APPROVE ALL LOCATIONS.
9. DROPPED CEILING AND SOFFIT LOCATIONS SHALL BE APPROVED BY ON-SITE SUPERVISOR AND COORDINATED W/ M.E.P. SUB-CONTRACTORS PRIOR TO INSTALLATION.
10. REFER TO WINDOW MANUFACTURER SHOP DRAWINGS FOR EXACT ROUGH OPENINGS FOR ALL DOORS & WINDOWS. NOTIFY ARCHITECT IMMEDIATELY WITH ANY ISSUES REGARDING HEADERS AND/OR POSTING.
11. ALL INTERIOR DRYWALL IS 5/8" GYPSUM BOARD, U.N.O.

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PO BOX 798
KREMMLING, CO 80459
(970) 724-3411
CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

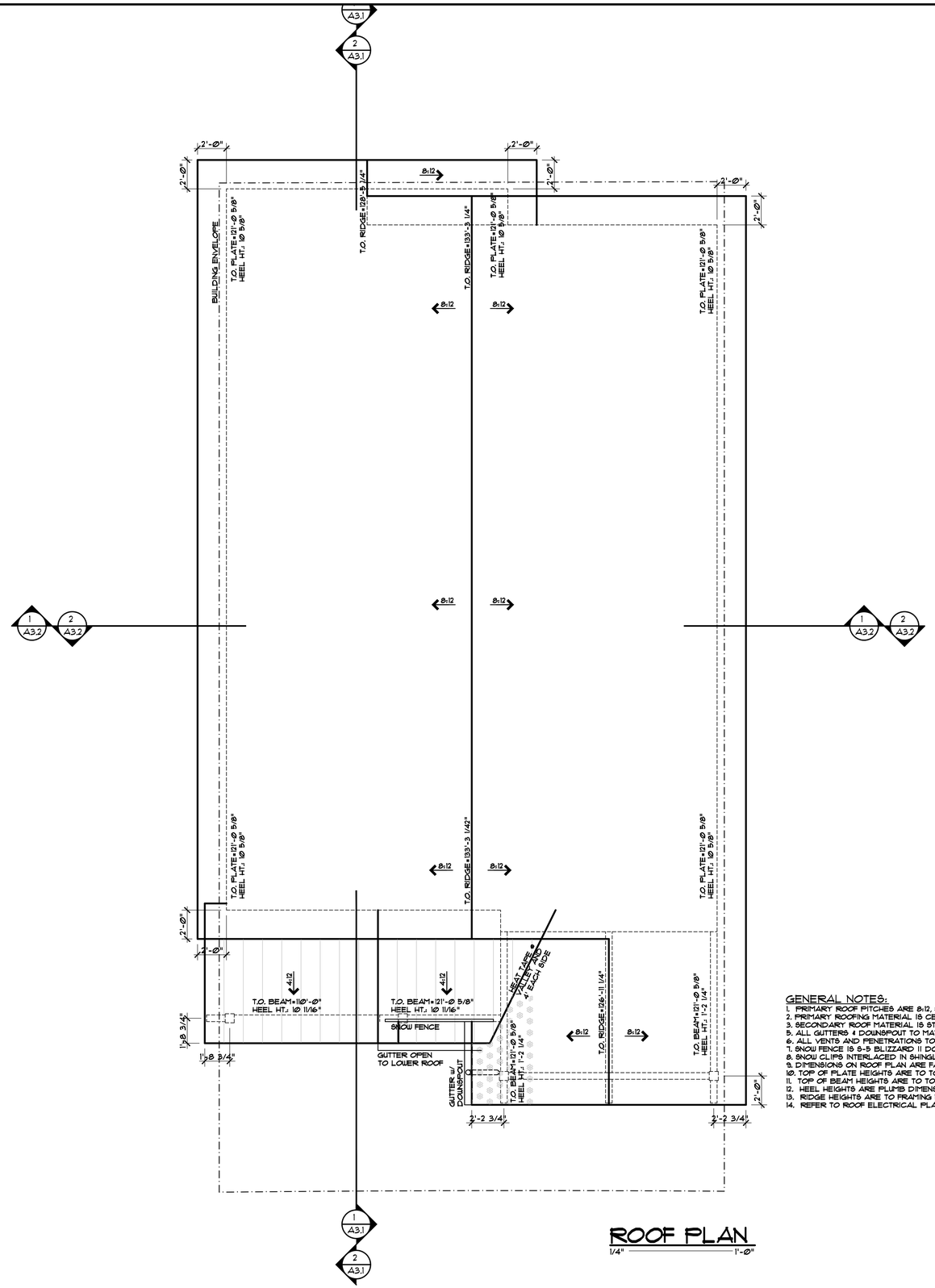
DOP/RECHBERG
30 SILVER STAR TRAIL
LOT 35, MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L35

ISSUED

#	DATE	BY	COMMENTS
6	6-14-24	DUE	REVISED DRB SUBMITTAL
5	5-17-24	DUE	DRB SUBMITTAL SET

A1.2



ROOF PLAN

1/4" = 1'-Ø"

GENERAL NOTES:

1. PRIMARY ROOF PITCHES ARE 8:12, SECONDARY ROOF PITCHES ARE 4:12.
2. PRIMARY ROOFING MATERIAL IS CERTAINTEED BELMONT IR ASPHALT SHINGLES.
3. SECONDARY ROOF MATERIAL IS STANDING SEAM METAL.
5. ALL GUTTERS & DOWNSPOUT TO MATCH METAL ROOF COLORS AND HAVE HEAT TAPE TO DAYLIGHT.
6. ALL VENTS AND PENETRATIONS TO BE PAINTED MATTE BLACK.
7. SNOW FENCE IS 6-5 BLIZZARD II DOUBLE PIPE w/ 6-5-6 CLAMPS by ROCKY MOUNTAIN SNOW GUARDS.
8. SNOW CLIPS INTERLACED IN SHINGLES WHERE HATCHED. CLIPS TO MATCH COLOR OF ROOFING.
9. DIMENSIONS ON ROOF PLAN ARE FACE OF STUD OR CENTER OF POST/BEAM TO FACE OF FINISHED FASCIA.
10. TOP OF PLATE HEIGHTS ARE TO TOP OF FLAT PLATE OR LOW POINT OF BEVELED PLATE.
11. TOP OF BEAM HEIGHTS ARE TO TOP OF FLAT BEAM OR HIGH POINT OF BEVELED BEAM.
12. HEEL HEIGHTS ARE PLUMB DIMENSION AT OUTSIDE FACE OF BEARING.
13. RIDGE HEIGHTS ARE TO FRAMING MEMBERS, NOT ROOF SHEATHING.
14. REFER TO ROOF ELECTRICAL PLAN FOR CLEAR ROOF REQUIREMENTS PER I.E.C.C.

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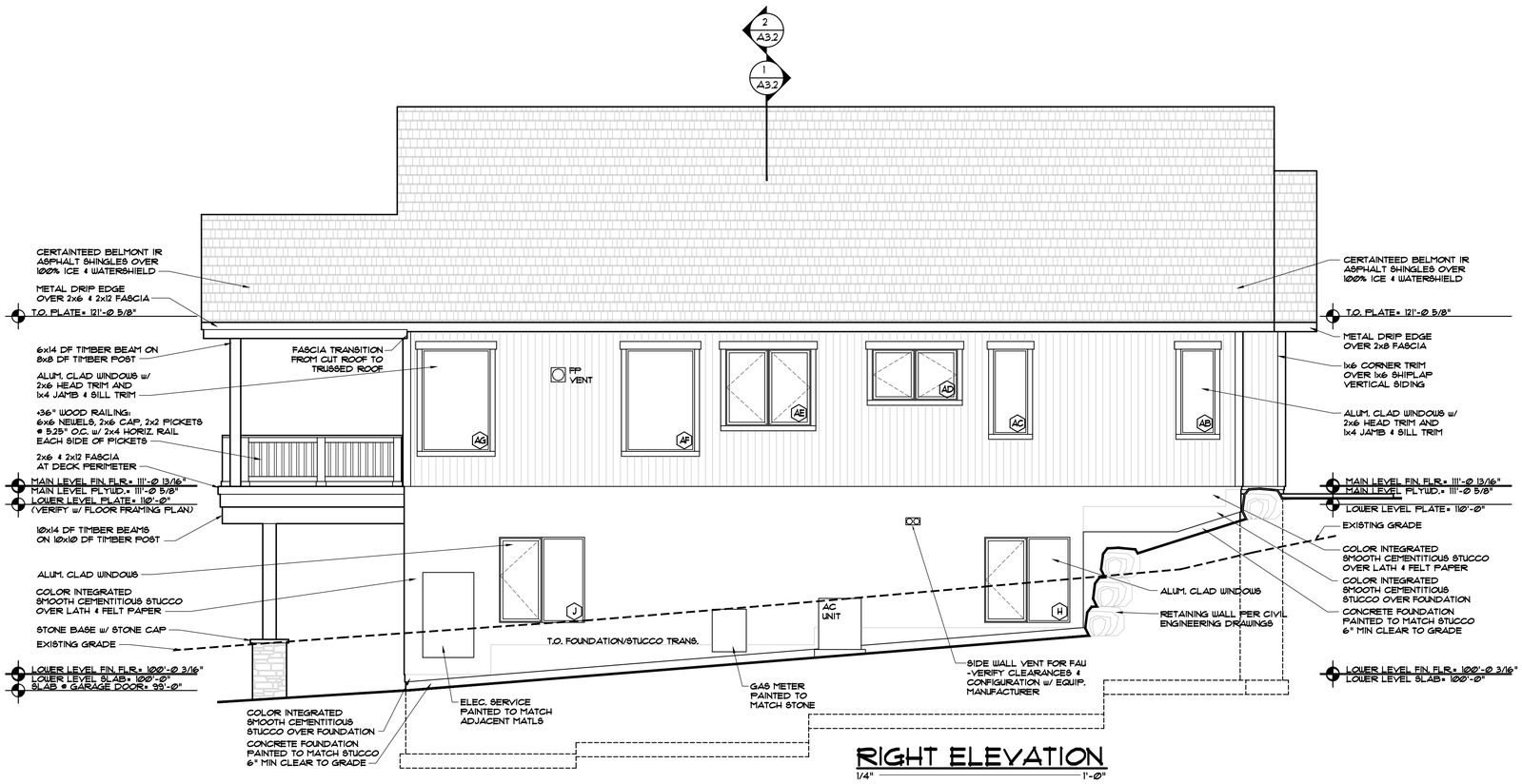
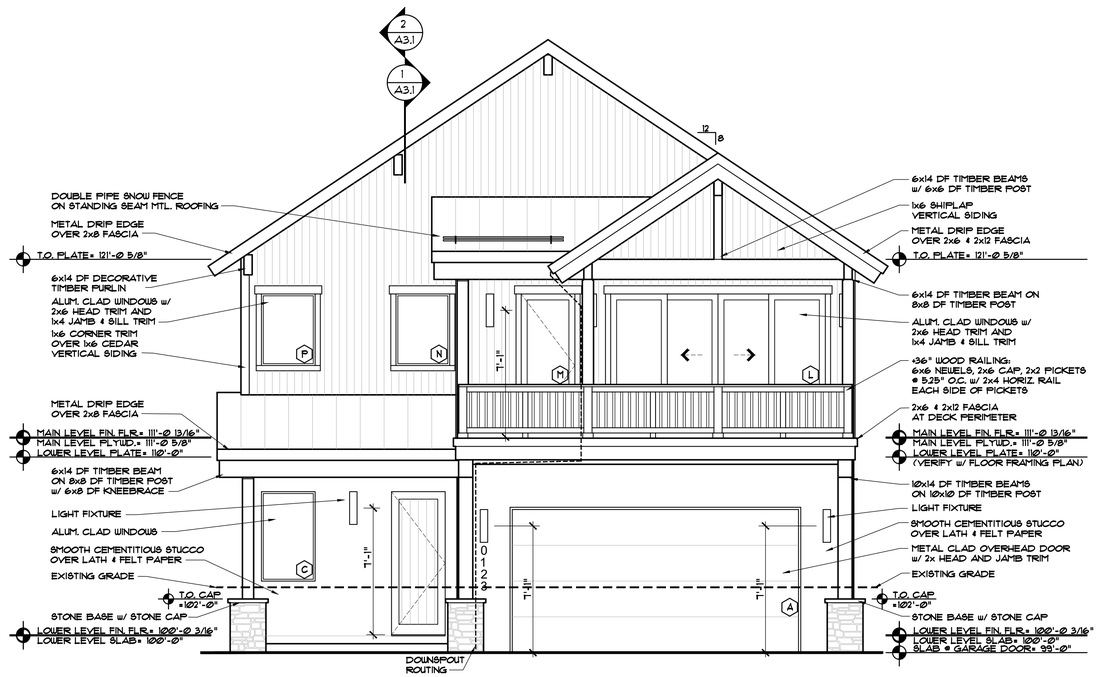
A1.3



RIGHT ELEVATION

1/4" = 1'-0"



FRONT ELEVATION

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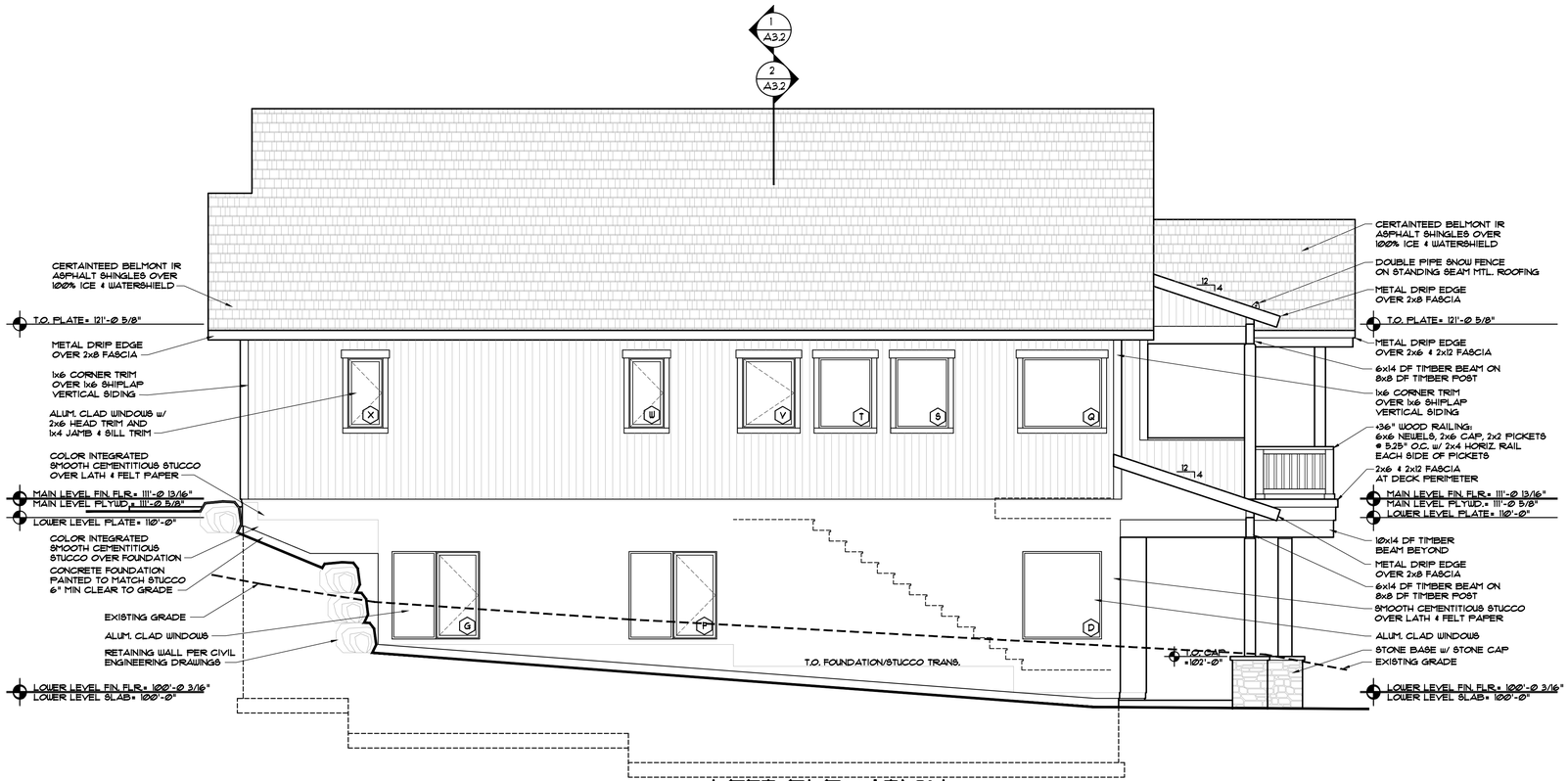
A2.1



LEFT ELEVATION

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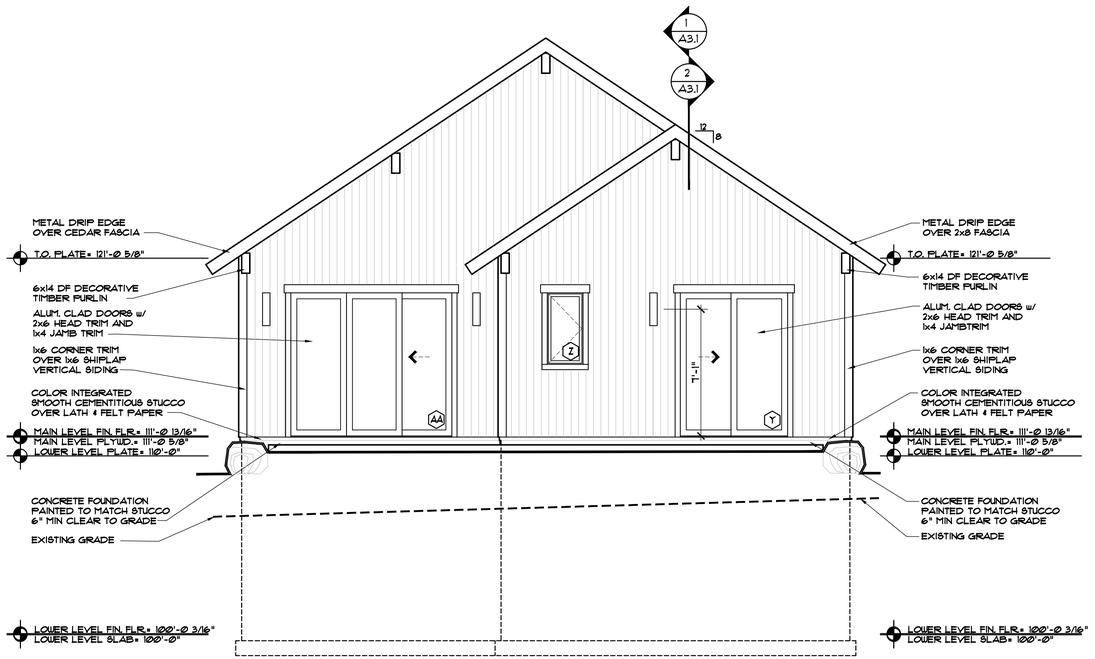

REAR ELEVATION

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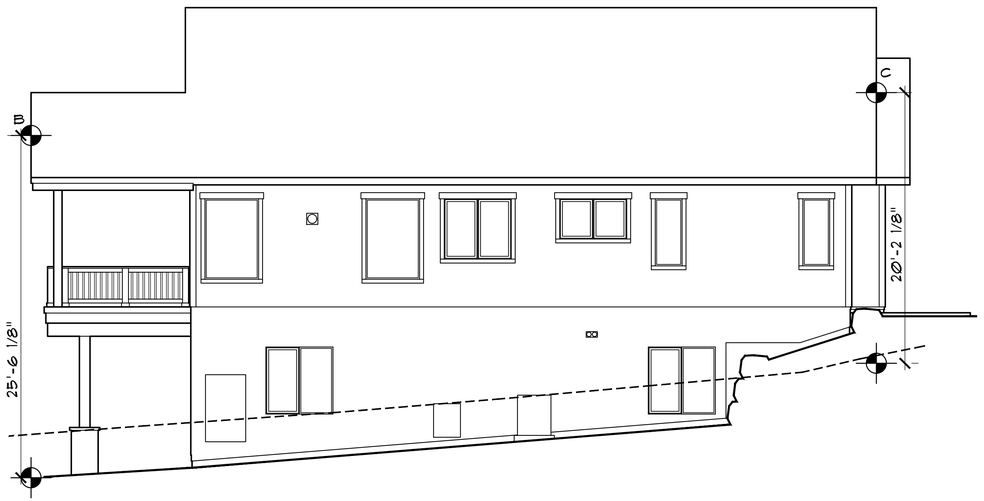

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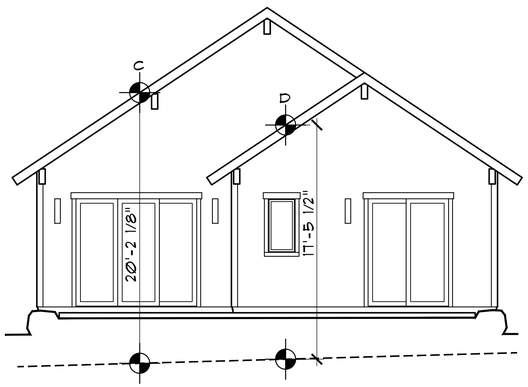

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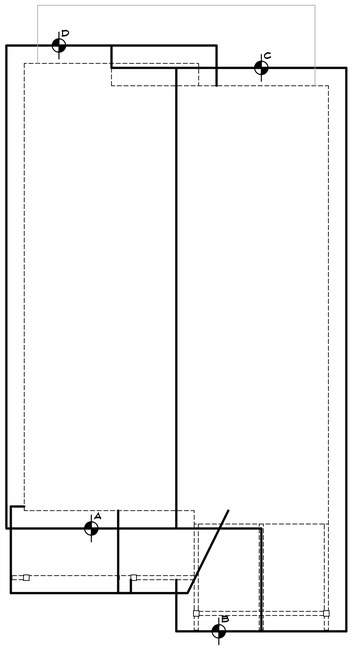
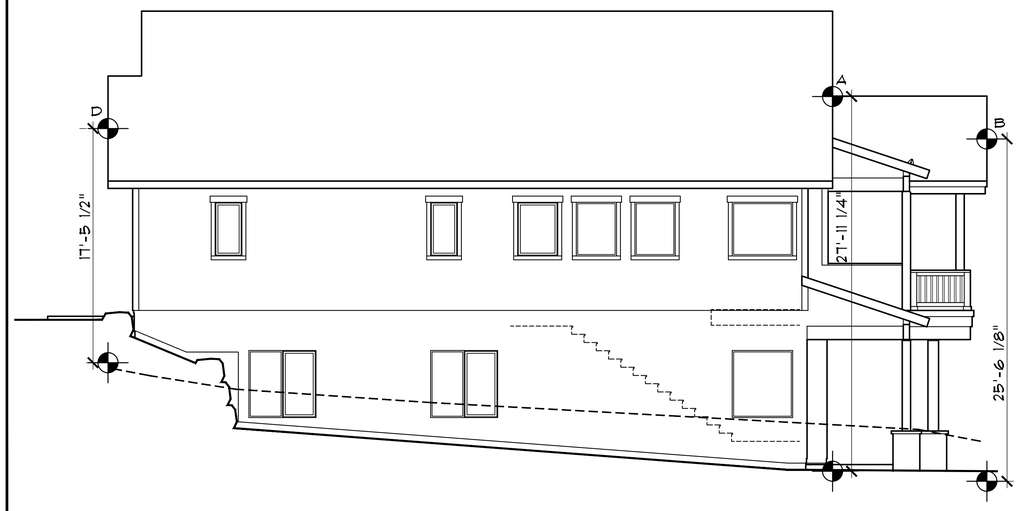


ROOF PLAN
1/8" = 1'-0"



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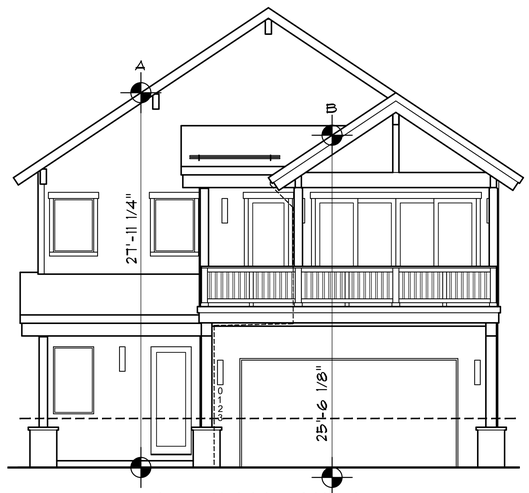

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BH1

Minturn Planning Department
Minturn Town Center
302 Pine Street
Minturn, Colorado 81645

Minturn Planning Commission
Chair – Lynn Teach
Jeff Armistead
Michael Boyd
Amanda Mire
Eric Rippeth
Darell Wegert

Design Review Board Hearing

Final Plan Review for New Home

0003 Miles End Lane

Hearing Date:	June 26, 2024
File Name and Process:	Single-Family Residence Final Plan Review
Owner/Applicant:	Melissa Kline & Matthew Pielsticker
Representative:	Taylor Hermes & Rick Hermes, Minturn North Construction Company
Legal Description:	Subdivision: MINTURN NORTH PUD Lot: 33
Address:	0003 Miles End Lane
Zoning:	Game Creek Character Area – Minturn North PUD Zone District
Staff Member:	Madison Harris, Planner I
Recommendation:	**Approval**

Staff Report

I. Summary of Request:

The Applicants, Melissa Kline and Matthew Pielsticker, request Final Plan review of a new, two-bedroom, 3,512 (gross) square foot single-family residence located at 0003 Miles End Lane in the Game Creek Minturn North PUD Zone District. The Applicant's representatives, Taylor Hermes and Rick Hermes of the Minturn North Construction Company, have been proactive in meeting with Town staff prior to submitting plans for a new home and have provided a relatively complete and thorough set of site, landscaping, and architectural plans.

Proposed Plans
The plans show a two-story, two-bedroom structure with a maximum building height - measured to the midpoint of the roof – of 27 feet 11 inches measured to existing grade which is the most

restrictive, under the maximum allowable 28-foot limit within the Game Creek Minturn North PUD Zone District.

Additionally, the massing, forms, and scale of the proposed structure, as well as proposed exterior materials, textures and detailing also appear to achieve the design objectives of Appendix B – *Design Guidelines and Standards,* Minturn Municipal Code.

Parking is adequate, with four off-street spaces, two of which are provided within the garage and two in front of the garage. The plans show the lower level with one bedroom, an office that could be turned into a bedroom, and a fitness area, and the upper level has the garage, primary living room, and master bedroom.

According to staff's analysis of development standards and dimensional limitations in Section III below the project appears to meet the Town's standards.

Overall, staff believes that the Applicants and their representative have provided a complete, detailed set of plans necessary to complete a thorough final plan review.

As a reminder, the Planning Commission has the option to review the proposal as a "conceptual" plan review if the Commission feels that the plans are *not* sufficient or are in need of revisions and additional review prior to final plan approval; or the Commission may take action to approve, approve with conditions, or deny the Final Plans.

Staff is **recommending approval**.

II. Summary of Process and Code Requirements:

These plans are being presented by the Applicant as "Final Plan" level of review for a new single-family residential structure on a legally created lot within the Town of Minturn. This is a formal hearing providing the Applicant and staff the opportunity to discuss the proposal with the Planning Commission, acting as the Design Review Board, and to address the DRB's concerns or feedback regarding suggested revisions to the project.

If the DRB feels that the plans are complete, appropriate, and meet the intent and purposes of the Minturn Municipal Code, Chapter 16, the DRB has the option to take final action to approve the plans without conditions, or to approve with specific conditions and giving the Applicant and staff clear direction on any recommended revisions, additions or updates to the plans.
No variances are required or requested at this time.

Design Review Process
Appendix 'B' of the Minturn Municipal Code, Section 16-21-615 - *Design Review Applications*, subsection "d" below outlines the criteria and findings necessary for DRB review and approval of all new, major development proposals:

(d) Administrative procedure.

(1) Upon receipt of a completed and proper application, the application for Design Review will be scheduled for a public hearing. The hearing will be conducted in accordance with the procedures set forth in this Chapter.

(2) Criteria and findings. Before acting on a Design Review application, the Planning Commission, acting as the Design Review Board (DRB), shall consider the following factors with respect to the proposal:

a. The proposal's adherence to the Town's zoning regulations.
b. The proposal's adherence to the applicable goals and objectives of the Community Plan.
c. The proposal's adherence to the Design Standards.

(3) Necessary findings. The Design Review Board shall make the following findings before approving a Design Review application:

a. That the proposal is in conformance with the Town zoning regulations.
b. That the proposal helps achieve the goals and objectives of the Community Plan.
c. That the proposal complies with the Design Standards.

Staff suggests that the final plans for 0003 Miles End Lane meet the required findings 'a,' 'b,' and 'c' or subparagraph 3 – *Necessary findings*.

III. Zoning Analysis:

Zoning
The subject property is located within the "Game Creek Character Area" Minturn North PUD Zone District Planning Area 1 (PA-1), described as follows:

> *"The primary intent of this Planning Area is to create a market rate single-family residential use zone surrounded by common area and open space."*
> *- Ordinance No. 15 – Series 2023 Minturn North PUD Guide*

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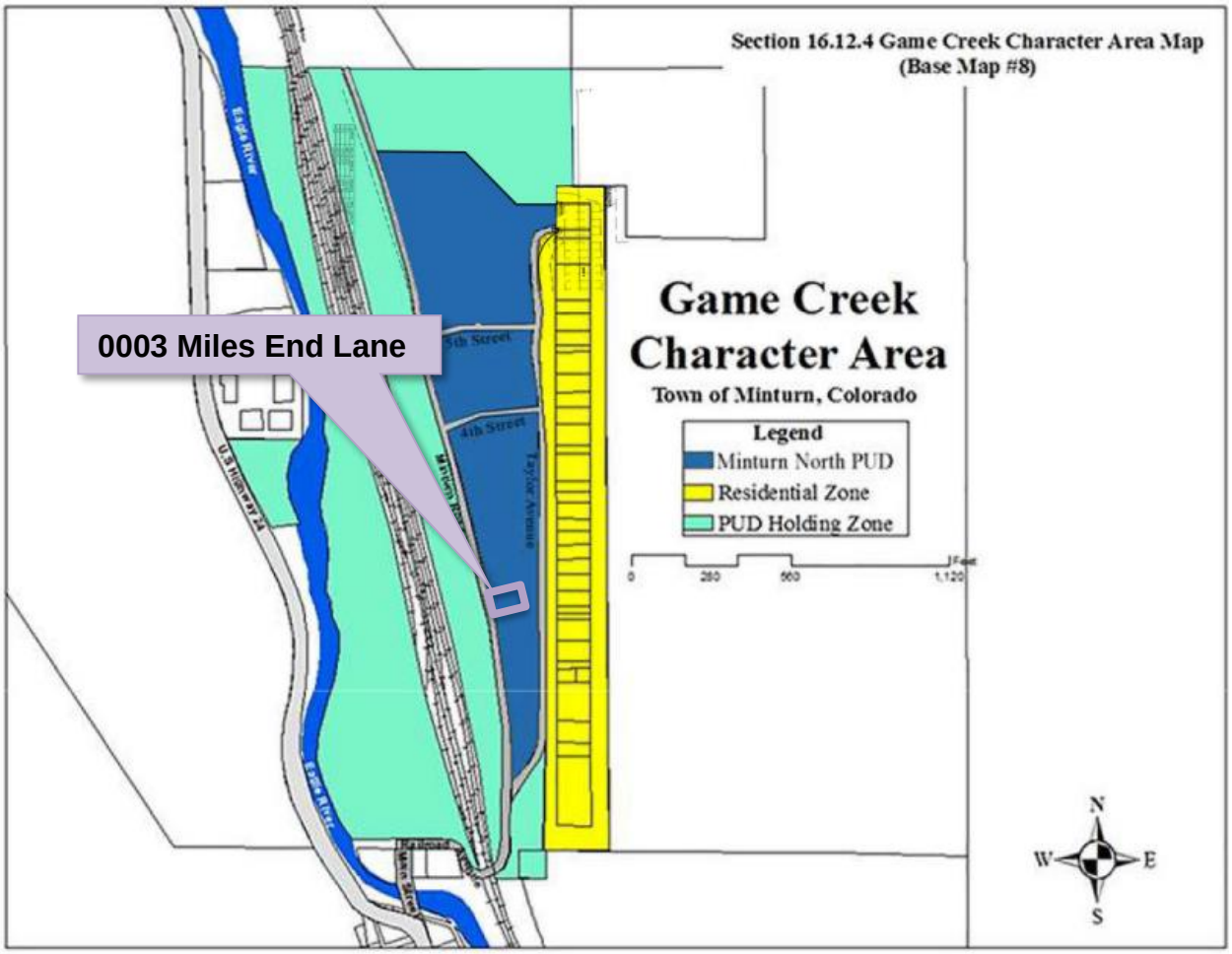
Figure 1: Game Creek Character Area Zoning Map



Dimensional Limitations and Development Standards

The following table summarizes the lot, development and dimensional standards and limitations applicable to the subject property pursuant the approved Final Development Plan for the Minturn North PUD.

Regulation	Allowed/Required	Proposed/Existing
Minimum Lot Area:	7,666.56 sq. ft.	7,666.56 sq. ft. (.176 ac.)
Maximum Building Height:	28 feet	27 feet – 11 inches
Minimum Front Setback:	20 feet	20+ feet
Minimum Side Setback:	5 feet	5 feet
Minimum Rear Setback:	10 feet	10+ feet

Maximum Lot Coverage:	50% (3,833.28 sq. ft.)	2,462 sq. ft. (32.11%) Proposed
Maximum Impervious Coverage:	60% (4,599.94 sq. ft.)	3,659 sq. ft. (47.73%) Proposed
Minimum Snow Storage Area:	5% of Lot Area (7,666.56 sq. ft. x .05 = 383.33 sq. ft.)	517 sq. ft.
Parking:	4 spaces	4 spaces

IV. Applicable Standards and Design Guideline Criteria:

Design
In addition to the development standards listed above, the following general design principles are provided for reference.

Final Site, Grading and Drainage Design
The Minturn Design Guidelines encourage designs that integrate or account for site topography and existing conditions, surrounding conditions, solar orientation, placement on lots relative to streets and natural features, snow storage and snow shed from roof structures.

Mass and Form
The following excerpt from the Design Guidelines is applicable to the proposed home design:

"c. Massing and Scale

> *"**A simple central form with additive features shall be designed. This style creates visual interest and is appropriate for the community due to its compatibility with existing structures. Buildings and improvements should complement, rather than overpower, the adjacent natural and built environment.** Homes are encouraged to be sheltering in nature, with consistent setbacks from the street with prominent porches or overhanging eaves.*
>
> *"Building mass, form, length and height shall be designed to provide variety and visual interest while maintaining a scale that is similar or compatible to adjacent structures."*
>
> *-Town of Minturn Design Guidelines*

Staff Response:
Staff believes that the design and scale of the proposed structure incorporates a simple central form with additive features and is complementary to adjacent residential structures and character on nearby parcels. Staff further suggests that the scale of the project is appropriate and will not

overpower surrounding natural and built environments. Proposed roof forms and pitches, materials and textures are compatible and complementary to the surrounding built and natural environments.

V. Issues and Recommended Revisions:

Issues or Required Plan Revisions
Staff has identified no issues.

VI. Staff Recommendation:

Staff suggests that the Final Plans for 0003 Miles End Lane generally **comply** with or exceed the applicable provisions and/or minimum standards of Chapter 16 and the Town of Minturn Design Standards (Appendix 'B') of the Minturn Town Code.

Staff is **recommending approval** of the plans.

Inter-Mountain ENGINEERING
Civil Engineers & Surveyors

May 24, 2024

Madison Harris
Town of Minturn Planner
PO Box 309
Minturn, CO 81645

Re: 3 Miles End Lane
Lot 33, Minturn North PUD
DRB submittal Review
Project No. 24-0001

Dear Madison:

We reviewed the plans entitled *"Klein/Pielsticker Residence; Lot 33, Minturn North, Minturn Colorado"* prepared May 17, 2024 by Eggers Architecture Inc.(Plans) included in the DRB application for Lot 33, Minturn North PUD. Our review was for compliance with the engineering requirements of Section 16-21-615: Design Review applications of the Minturn Municipal Code (MMC).

MMC Section 16-21-615 Section C:

Section (C) (2) Boundary Survey:
Paragraphs a through e:
"Final Plat: Minturn North PUD" recorded March 4, 2024 (Reception No. 202402234) has been included as the Boundary Survey. This plat and associated title commitment were reviewed by the Town and the plat is suitable as the Boundary Survey for this application.

Paragraphs f through l:
Sheet C.4 of the *"Minturn North PUD Overall Grading and Drainage Plan; Construction Plan Set 5/1/24"* prepared by Boundaries Unlimited Inc. is included in the application. The Town issued a Grading Permit based on the Construction Plan Set and Sheet C.4 shows the grading and utilities underway at Minturn North. This plan reflects the basis for design, and fulfills the requirements of Paragraphs f through i.

Section (C) (3) Site Plan:
Sheet BH1 provides Building height information necessary for Planning Staff review.

Madison Harris
Re: 3 Miles End Lane
Lot 33, Minturn North PUD
DRB Submittal Review
Project No. 24-0001

Section (C) (4) Grading & Drainage Plan:
Sheet C1 of the Plans "*Lot 33, Minturn North PUD; Site Grading and Drainage Plan"* prepared May 17, 2024 by Boundaries Unlimited presents the proposed site grading and drainage and fulfills Grading and Drainage Plan requirements.

Review by Inter-Mountain Engineering is for general conformance with Minturn Municipal Code requirements and is not a peer review. Review by Inter-Mountain Engineering in no way relieves any responsibilities of design professionals associated with the project.
Please feel free to contact us if you have additional questions.

Respectfully,
Inter-Mountain Engineering (Town Engineer)

Jeffery M. Spanel PE

CC: Michelle Metteer, Scot Hunn, Taylor Hermes Arnold Martinez

RESORT CONCEPTS
REDEFINING THE RESORT EXPERIENCE

May 21, 2024
Town of Minturn Planning Commission
Attn: Madison Harris

RE: Kline/Pielsticker Residence
Lot 33 Minturn North – 0003 Miles End Lane, Minturn, CO 81645
Design Review Letter of Intent

Madison:

The attached submittal includes a single-family residence within the Minturn North neighborhood. The home is subject to the Minturn North PUD Guide, Town of Minturn Code and all pertinent documents approved by the Town Council.

Lot 33 is located at 0003 Miles End Lane on a downhill sloping undisturbed vacant lot which drops in elevation approximately 7' through the building envelope. The home has been oriented facing west, parallel to the building envelope lines to maximize the site's primary view facing Meadow Mountain. The home has been designed as a patio residence due to the gently sloping topography. The architectural style is a mix of gable forms and low pitch shed roofs to create a composition of forms rather than a single massive structure. Overall, the structure has been nestled into the topography to balance the entry elevation with the west facing patio elevation of the home.

The home exterior is a balanced mix of stone and wood with appropriate architectural detailing which enhances the mountain vernacular. The landscaping Is Intentionally minimal In-keeping with the intent of the approved Minturn North PUD.

Should you have any questions or need clarifications, please don't hesitate to contact me.

Sincerely,

Taylor Hermes
512.468.3012

DESIGN REVIEW APPLICATION

TOWN OF MINTURN PLANNING AND ZONING DEPARTMENT
P.O. Box 309 302 Pine Street Minturn, Colorado 81649-0309
Phone: 970-827-5645 Fax: 970-827-5545 Email: planner1@minturn.org

Project Name:

Minturn North – Kline Residence

Project Location

Street Address: 3 Miles End Lane

Zoning: Residential

Parcel Number(s): 2103-262-30-037

Application Request:

Design review of new single-family home

Applicant:

Name: Taylor Hermes & Rick Hermes – Minturn North Construction Company, LLC

Mailing Address: PO Box 2633 Edwards, CO 81632

Phone: 970-926-1720

Email: THermes@ResortConceptsCO.com

Property Owner:

Name: Melissa Kline & Matthew Pielsticker

Mailing Address: 216 Main Street, Unit R-311 Edwards, CO 81632

Phone: 970-471-5594 (Melissa) / 970-445-7459 (Matthew)

Email: Melissa@ImpactEnergyEC.com / Matt.Pielsticker@gmail.com

Required Information:

Lot Size: 0.176 acres	Type of Residence (Single Family, ADU, Duplex): SFH	# of Bedrooms: 3	# On-site Parking Spaces: 4
# of Stories: 2	Snow storage sq ft: 517 sf	Building Footprint sq ft: 2,462 sf	Total sq ft Impervious Surface: 3,659 sf

Signature:

Fee Paid:_____ **Date Received:**_____ **Planner:**_____

DESIGN REVIEW APPLICATION

SUBMITTAL CHECKLIST REQUIREMENTS
(TO BE INCLUDED WITH APPLICATION)

Applicant	Staff	
☑	☐	**Application Fee** (Non-Refundable application fee shall be collected)
		• Design Review Board - $200.00
☑	☐	**Letter of Intent**
		-- What is the purpose of the project including;
☑	☐	• Relevant Background
☑	☐	• Current Status of the Site
☑	☐	• All Proposed Uses and Structures
☑	☐	• How the Proposal Differs from what already exists
☑	☐	• Information regarding Easements or Dedicated Tracts, etc.
☑	☐	**Vicinity Map**
		-- Directional Map indicating how to get to the Property involved in the request.
☑	☐	• Zoning of Property
☑	☐	**Site Plan showing Precise Nature of the Proposed Use –**
☑	☐	**To Scale**
☑	☐	• Scaled Drawings of Proposed Design of Structure
☑	☐	○ Plan View and Sections
☑	☐	• Building Heights – all 4 directions N/S/E/W
☑	☐	• topography
☑	☐	• Building Location and impervious coverage
☑	☐	• Setbacks
☑	☐	• Ordinary High Water Mark determined by the Town Engineer and paid for by Applicant
☑	☐	• Parking Plan
☑	☐	• Traffic Circulation
☑	☐	○ Location and Width of Existing and Proposed Access Points
☑	☐	○ Location of Existing Driveways and Intersections
☑	☐	• Landscaped Area – Plan including existing and proposed vegetation.
☑	☐	• Approximate Location of Existing Wooded Areas and Rock Outcrops
☑	☐	• Location and Type of Existing and Proposed Easements
☑	☐	• Utility Easements
☑	☐	• Drainage Features
☑	☐	• Snow Storage areas expressed in square feet as a percentage of the overall site area
☑	☐	**Preliminary Building Plans and Elevations**
☑	☐	• Indicates Dimensions
☑	☐	• General Appearance
☑	☐	• Scale
☑	☐	• Interior Plan for the Buildings

Elements needed on the Site Plan

- Scale
- North Arrow
- Date Prepared
- Lot Dimensions, Area, Entire Site Acreage

Architecture Details – Materials Board

- Windows – Placement and Color
- Doors – Placement and Color
- Siding – Type and Color
- Roof Material – Type and Color
- Paint Color

Boundary Survey with a stamp and signature of a licensed surveyor

- Date of survey (survey date must be within 6 months of the project application date
- Right-of-way and property lines; including bearings, distances and curve information.
- Labeled ties to existing USGS benchmark.
- Property boundaries to the nearest one-hundredth (.01) of a foot accuracy. Distances and bearings and a basis of bearing must be shown. Show existing pins or monuments found and their relationship to the established corner.
- All existing easements recorded with the County Clerk and Recorder. Include bearings and distances.
- Spot elevations at the edge of asphalt along the street frontage of the property at five-foot intervals, and a minimum of two (2) spot elevations on either side of the lot.
- Topographic conditions at two-foot contour intervals.
- Existing trees or groups of trees having trunks with diameters of four (4) inches or more.
- Rock outcroppings and other significant natural features.
- All utility meter locations, including any pedestals on site or in the right-of-way adjacent to the site and the exact location of existing utility sources.
- Environmental hazards where applicable (i.e., rock fall, wetlands and floodplain).
- Watercourse setbacks, if applicable. Show centerline and edge of stream or creek in addition to the required stream setback from the ordinary high water mark.

Grading and Drainage Plan

- Existing contours. Existing two-foot contours must be provided for all disturbed areas. Contours for undisturbed areas must be shown when drainage in those areas impacts the disturbed area.
- Proposed contours. Proposed two-foot contours for all disturbed areas must be shown and must demonstrate positive drainage.
- Spot elevations. Show critical spot elevations, as necessary to demonstrate positive drainage and the direction of flow. Finished grade at all building corners must be provided.
- Top-of-foundation elevations. The top-of-foundation elevation must be shown on the plan and must be consistent with the foundation plan. For buildings on slopes of thirty percent (30%) or greater, elevations for stepped foundation walls must be shown.
- Drainage arrows. Include drainage arrows that show how stormwater will be routed around buildings and where stormwater will exit the property. Stormwater cannot cause damage to any adjacent property. Drainage and erosion control features needed to prevent damage must be included.
- Drainage facilities. Proposed drainage facilities, such as French drains or culverts, must be shown.
- Retaining walls. Retaining wall details are required and must include drainage details. Note top- and bottom-of-wall elevations at each location where the retaining wall steps up or down, and include the tallest point of the retaining wall.

Terraces & Walkways
Stained Concrete

Exterior Stone
Grey Buff Blend

Fascia, Columns & Railing
Color: Custom Stain

Vertical Siding & Sofits
1"x8" – Butt Joint, Smooth
Color: Custom Stain

Wood Columns per Plan
Color: Custom Stain

Roofing
Mfg: CertainTeed Belmont Asphalt Shingles
Color: Black Granite

Roofing
Standing Seam Metal
Color: Matte Black

Garage Doors
(2) 9'-0" x 9'-0" Insulated Metal
Color: Matte Black

Windows and Doors
Mfg: Alan Bradley Cityline
Color: Matte Black

Exterior Lighting
Mfg: Hinkley Mist 22" Sconce
Color: Satin Black

Entry Door
Wood with Glass Panels
Color: Custom Stain, Black

Entry Door Hardware
Emtek Lausanne Full Plate with Helios Interior Lever
Color: Matte Black

All product and design specifications, including, but not limited to, color, finish, model, etc., are for illustrative purposes only and are subject to change without notice.

PERSPECTIVE 1

DISCLAIMER: All plans, renderings, specifications and marketing materials are subject to revisions and modifications at Developers sole discretion due to site specific grading conditions, availability of materials, availability of labor, manufacturer supply shortages, and Governmental Agency changes. All plans and specifications are subject to revisions and conditions of approval by the Minturn North Design Review Board, Town of Minturn City Council, Town of Minturn Design Review Board, Town of Minturn Building Permit Department and all other applicable regulatory agencies. Artist renderings have been provided for illustrative and marketing purposes only and should not be relied upon as a basis for purchasing. Color, materials and design elements are subject to refinement and revision without notice at Developers sole discretion.

MINTURN NORTH - LOT 33

EGGERS ARCHITECTURE, INC

AXIS VU DESIGN

DRB DESIGN REVIEW - 3D VIEWS

MAY 13, 2024

RESORT CONCEPTS

PERSPECTIVE 2

DISCLAIMER: All plans, renderings, specifications and marketing materials are subject to revisions and modifications at Developers sole discretion due to site specific grading conditions, availability of materials, availability of labor, manufacturer supply shortages, and Governmental Agency changes. All plans and specifications are subject to revisions and conditions of approval by the Minturn North Design Review Board, Town of Minturn City Council, Town of Minturn Design Review Board, Town of Minturn Building Permit Department and all other applicable regulatory agencies. Artist renderings have been provided for illustrative and marketing purposes only and should not be relied upon as a basis for purchasing. Color, materials and design elements are subject to refinement and revision without notice at Developers sole discretion.

MINTURN NORTH - LOT 33

EGGERS ARCHITECTURE, INC

AXIS VU DESIGN

DRB DESIGN REVIEW - 3D VIEWS

MAY 13, 2024

RESORT CONCEPTS

KLINE/PIELSTICKER RESIDENCE

LOT 33
MINTURN NORTH
MINTURN, COLORADO

DRB SUBMITTAL SET MAY 17, 2024

NOTE: ALL SITE & LANDSCAPE PLANS, FLOOR PLANS, ELEVATIONS & DETAILS ARE SUBJECT TO TOWN OF MINTURN DESIGN REVEIW BOARD APPROVAL

OWNER'S REPRESENTATIVE
RESORT CONCEPTS
PO BOX 5127
EDWARDS, COLORADO 81632
(970) 926-1720

ARCHITECT
EGGERS ARCHITECTURE, INC
PO BOX 798
KREMMLING, COLORADO 80459
(970) 409-9790

STRUCTURAL ENGINEER
SUNDQUIST DESIGN GROUP
PO BOX 249
TARPON SPRINGS, FLORIDA 34688
(303) 335-6034

LANDSCAPE ARCHITECT
TOMINA TOWNSEND
PO BOX 3000
EDWARDS, COLORADO 81632
(303) 945-5252

CIVIL ENGINEER
BOUNDARIES UNLIMITED, INC.
923 COOPER AVENUE, SUITE 201
GLENWOOD SPRINGS, COLORADO 81601
(970) 945-5252

SURVEYOR
SLAGLE SURVEY SERVICES
PO BOX 751
EAGLE, COLORADO 81631
(970) 471-1499

PROJECT INFORMATION:

FLOOR AREA:	FINISHED	MECH	GARAGE	TOTAL
LOWER LEVEL:	1,301 SF	99 SF		1,400 SF
MAIN LEVEL:	1,453 SF		660 SF	2,113 SF
TOTALS:	2,767 SF	99 SF	660 SF	3,512 SF

LOT AREA:	7,666.56 SF	
BUILDING COVERAGE:	2,462 SF	32.11 %
IMPERVIOUS COVERAGE:	3,659SF	47.73 %

CODE INFORMATION:

JURISDICTION: TOWN OF MINTURN, COLORADO

CODES: 2021 INTERNATIONAL RESIDENTIAL CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
+ LOCAL AMENDMENTS

DRAWING SCHEDULE

C	COVER
	FINAL PLAT MINTURN NORTH P.U.D.
C.4	MINTURN NORTH PUD OVERALL GRADING PLAN
C1	SITE GRADING, DRAINAGE & EROSION CONTROL PLAN
C2	CIVIL DETAILS
L1	LANDSCAPE PLANTING PLAN
L2	LANDSCAPE SCHEDULES & DETAILS
A1.1	LOWER LEVEL PLAN
A1.2	MAIN LEVEL PLAN
A1.3	ROOF PLAN
A2.1	BUILDING ELEVATIONS
A2.2	BUILDING ELEVATIONS
BH1	BUILDING HEIGHT CALCULATIONS

DISCLAIMER: ALL PLANS, RENDERINGS, SPECIFICATIONS AND MARKETING MATERIALS ARE SUBJECT TO REVISIONS AND MODIFICATIONS AT DEVELOPERS SOLE DISCRETION DUE TO SITE SPECIFIC GRADING CONDITIONS, AVAILABILITY OF MATERIALS, AVAILABILITY OF LABOR, MANUFACTURER SUPPLY SHORTAGES, AND GOVERNMENTAL AGENCY CHANGES. ALL PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS AND CONDITIONS OF APPROVAL BY THE MINTURN NORTH DESIGN REVIEW BOARD, TOWN OF MINTURN CITY COUNCIL, TOWN OF MINTURN DESIGN REVIEW BOARD, TOWN OF MINTURN BUILDING PERMIT DEPARTMENT AND ALL OTHER APPLICABLE REGULATORY AGENCIES. ARTIST RENDERINGS HAVE BEEN PROVIDED FOR ILLUSTRATIVE AND MARKETING PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS A BASIS FOR PURCHASING. COLOR, MATERIALS AND DESIGN ELEMENTS ARE SUBJECT TO REFINEMENT AND REVISION WITHOUT NOTICE AT DEVELOPERS SOLE DISCRETION.

EGGERS ARCHITECTURE, INC.
PO BOX 798 KREMMLING, CO 80459
(970) 724-3411 CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

KLINE
LOT 33
MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L33

ISSUED #	DATE	BY	COMMENTS
4	5-17-24	DME	DRB SUBMITTAL SET

C

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

MINTURN TOWN CERTIFICATE

This plat is approved by the town council of the Town of Minturn, County of Eagle, State of Colorado this 1 day of APRIL, 2024 for filing with the Clerk and Recorder of the County of Eagle, Colorado, and for conveyance of the dedications shown hereon; subject to the provisions that approval in no way obligates the Town of Minturn for financing or construction of improvements of said lands, streets or easements dedicated to the public, except as specifically agreed to by the Town Council of the Town of Minturn.

WITNESS MY HAND AND THE SEAL OF THE TOWN OF MINTURN
TOWN COUNCIL OF THE TOWN OF MINTURN

BY: _____ ATTEST: _____

MAYOR
TOWN OF MINTURN, COLORADO

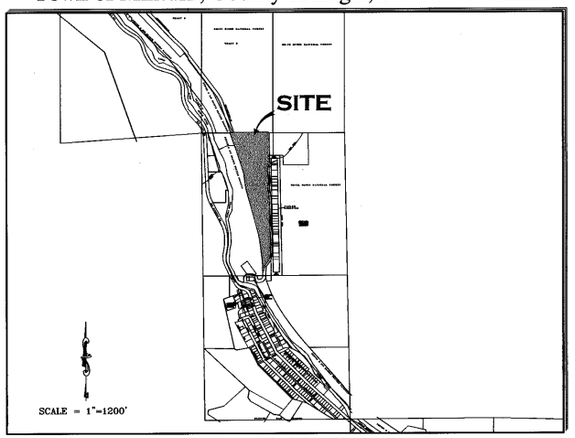
TOWN CLERK
TOWN OF MINTURN, COLORADO

SEAL
TOWN OF MINTURN COLORADO
1904

LAND USE TABLE

LOT	USE	AREA	ADDRESS
1	SINGLE FAMILY	0.196 Acres	0246 Miles End Lane
2	SINGLE FAMILY	0.189 Acres	0236 Miles End Lane
3	SINGLE FAMILY	0.193 Acres	0226 Miles End Lane
4	SINGLE FAMILY	0.181 Acres	0216 Miles End Lane
5	SINGLE FAMILY	0.191 Acres	0206 Miles End Lane
6	SINGLE FAMILY	0.166 Acres	0196 Miles End Lane
7	SINGLE FAMILY	0.158 Acres	0186 Miles End Lane
8	SINGLE FAMILY	0.166 Acres	0176 Miles End Lane
9	SINGLE FAMILY	0.164 Acres	0166 Miles End Lane
10	SINGLE FAMILY	0.164 Acres	0156 Miles End Lane
11	SINGLE FAMILY	0.164 Acres	0146 Miles End Lane
12	SINGLE FAMILY	0.172 Acres	0136 Miles End Lane
13	SINGLE FAMILY	0.157 Acres	0126 Miles End Lane
14	SINGLE FAMILY	0.176 Acres	0112 Miles End Lane
15	SINGLE FAMILY	0.209 Acres	0096 Miles End Lane
16	SINGLE FAMILY	0.263 Acres	0070 Miles End Lane
17	SINGLE FAMILY	0.189 Acres	0243 Miles End Lane
18	SINGLE FAMILY	0.200 Acres	0221 Miles End Lane
19	SINGLE FAMILY	0.165 Acres	0201 Miles End Lane
20	SINGLE FAMILY	0.164 Acres	0185 Miles End Lane
21	SINGLE FAMILY	0.164 Acres	0171 Miles End Lane
22	SINGLE FAMILY	0.166 Acres	0155 Miles End Lane
23	SINGLE FAMILY	0.174 Acres	0141 Miles End Lane
24	SINGLE FAMILY	0.185 Acres	0125 Miles End Lane
25	SINGLE FAMILY	0.166 Acres	0111 Miles End Lane
26	SINGLE FAMILY	0.202 Acres	0095 Miles End Lane
27	SINGLE FAMILY	0.199 Acres	0083 Miles End Lane
28	SINGLE FAMILY	0.160 Acres	0071 Miles End Lane
29	SINGLE FAMILY	0.159 Acres	0057 Miles End Lane
30	SINGLE FAMILY	0.158 Acres	0043 Miles End Lane
31	SINGLE FAMILY	0.178 Acres	0031 Miles End Lane
32	SINGLE FAMILY	0.177 Acres	0017 Miles End Lane
33	SINGLE FAMILY	0.176 Acres	0003 Miles End Lane
34	SINGLE FAMILY	0.103 Acres	0036 Silver Star Trail
35	SINGLE FAMILY	0.103 Acres	0030 Silver Star Trail
36	SINGLE FAMILY	0.103 Acres	0024 Silver Star Trail
37	SINGLE FAMILY	0.103 Acres	0018 Silver Star Trail
38	SINGLE FAMILY	0.099 Acres	0008 Silver Star Trail
39	SINGLE FAMILY	0.129 Acres	0001 Silver Star Trail
Tract B	OPEN SPACE	2.958 Acres	
Tract C	Town Property	0.904 Acres	0052 Minturn Road (Not of PUD)
Tract D	Right of Way	0.966 Acres	Miles End Lane (North)
Tract D1	Right of Way	0.431 Acres	Miles End Lane (South)
Tract E	Open Space	1.220 Acres	
Tract F	Open Space	0.074 Acres	
Tract G	Right of Way	0.030 Acres	Silver Star Trail
Tract H	Right of Way	0.369 Acres	Fourth Street
TOTAL		13.485 ACRES	

ADDRESSES ARE FOR INFORMATIONAL PURPOSES ONLY



PORTION OF SECTION 26,
TOWNSHIP 5 SOUTH, RANGE 81 WEST, 6th P.M.

GENERAL NOTES AND NOTES FOR CREATED EASEMENTS:
1) The purpose of this Final Plat is to Create various lots with building envelopes, open space areas and tracts, along with easements and Right of Ways, for the purposes described herein, all pursuant to Town of Minturn Land Use Regulations and Colorado Revised Statutes concerning the subdivision of land.
2) Basis of Bearing: N27°04'04" W between monuments marking the C-W 16th Corner and the Northwest Corner Section 26, Township 5 South, Range 81 West, of the 6th P.M., shown and described herein. This bearing is based on the non-recorded stamped Land Survey Plat performed by Eagle Valley Survey and dated August 7, 2018.
3) Survey Date: December, 2022 through July 2023.
4) Legal description, easements and location of boundary lines are based on Old Republic National Title Insurance Company order number no. ABC50650645-9, dated August 03, 2023, Quitclaim Deed recorded December 02, 2014 as Reception No. 201420764 along with plats and survey monumentation referenced hereon (to include the non-recorded stamped Land Survey Plat performed by Eagle Valley Survey and dated August 7, 2018). In regards to items referenced in schedule B II of this title commitmeat referenced above: Items 1-8, 10, 21, 24, 27 and 30 were not researched by surveyor or found to not contain easement restrictions or other survey or platting related issues.
Item 9 - Pipe easement does not effect this platted parcel, falls in Northeast Quarter of the Northwest Quarter of Sec 26, T5S, R81W.
Item 11&12- Ordinance and Dedication regarding Taylor Avenue. Depicted hereon by eastern Boundary, recorded in Book 248 at Page 178 and Book 248 at Page 452.
Item 13 - 20 foot Sewer Easement, Does not effect this platted Parcel.
Item 14 - Conveyance to State Department of Highways, Does not Effect these platted lands.
Item 15 - Does not effect these Platted lands but references vacation of portions of Taylor Addition to the Town of Minturn.
Item 16 - effects subject parcel as it is an Annexation of property to Town of Minturn recorded in Book 333 at Page 349.
Item 17 & 18- Do not effect subject Parcel.
Item 19 - Conveyance described in Book 687 at Page 268 does not contain any easements not already defined hereon.
Item 20 - Does not effect these Platted lands. (a.k.a. subject parcel)
Item 22 - Public Service Company of Colorado Easement, Reception No. 897924, falls off subject Parcel.
Item 23 - Boundary Agreement recorded as Reception No. 200824177, called out as adjoiner hereon.
Item 25 & 26 - Parcel is subject to Mapping of Piping and Ditches in area of this subject parcel defined in document recorded as Reception No. 201703240, and 201703454 any rights or restrictions and exact location thereof not clear to surveyor from face of documents.
Item 29 - Parcel is subject to 1904 40 foot wide easement for right of way from Denver Rio Grand Railroad to Eagle County, the location of which is not determinable from face of document. This Agreement has is to have been Terminated prior to the Recording of this Plat.
5) These platted lands are subject to:
- The Minturn North P.U.D. Guide recorded as Reception no. 202402232.
- The Declarations of Covenants, Conditions, Restrictions and Easements for Minturn North recorded as Reception No. 202402240.
- The non-exclusive Heritage Utility Easement as shown herein on page five (5) - on, over, under, above, across and through those areas designated hereon as "Heritage Utility Easement" as defined in document recorded in the Eagle County Clerk and Recorder's Office as Reception No. 202316489 .

PERTAINING TO HEREON CREATED EASEMENTS:
6) the owner, hereby reserves for themselves their successors and / or assigns the following non-exclusive easements created herein:
a) a non-exclusive utility and drainage easement as shown herein - on, over, under, above, across and through those areas designated hereon as "Utility and Drainage Easement" AND those areas of each lot outside of Building Envelopes, for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.
b) a non-exclusive Utility Easement as shown herein - on, over, under, above, across and through those areas designated hereon as "Utility Easement" for the purpose of the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress.
c) non-exclusive Access, Utility, and Drainage, Easement - on, over, under, above, across and through those areas designated hereon as "Access, Utility and Drainage Easement", and "Private Right of Way" to include, but not limited to, areas shown as Fourth Street, Tract D, Tract D1 and Tract G, for the purpose of i) Ingress and Egress, reasonable Pedestrian use including ingress and egress of persons including vehicle, foot, bicycle or small wheel use ii) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, and iii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.

GENERAL NOTES CONTINUED:
6) Continued...
d) Tract D, Tract D1, and Tract G, shall be open to Public vehicular and non- vehicular access.
e) Any Easement that permits public recreation on Private Property shall benefit from the provision of C.R.S. 33-41-101 et seq..

FOLLOWING CREATED EASEMENTS DEDICATED TO TOWN OF MINTURN:
7) the owner, hereby dedicates to the Town of Minturn the following non-exclusive easements:
a) non-exclusive Utility, Drainage, Parking, Snow Storage and Landscape Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Parking, Snow Storage & Landscape Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) the installation, use, repair, replacement, improvement and maintenance of vehicular parking area, together with right of ingress and egress thereto, reasonable Pedestrian use including ingress and egress of persons to include vehicle, foot, bicycle or non-motorized use, iv) reasonable local snow storage and v) Landscaping use, and maintenance.
b) non-exclusive Utility, Drainage, Snow Storage, Landscape and Trail Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Snow Storage, Landscape and Trail Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) reasonable local snow storage, iii) Landscaping use, and maintenance along with v) Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with sidewalk or path construction, use and repair.
c) non-exclusive Utility, Drainage, Snow Storage and Landscape Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Snow Storage & Landscape Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) reasonable local snow storage and iv) Landscaping use, and maintenance.
d) non-exclusive Trail Easement on, over, under, above, across and through those areas designated hereon as "Trail Easement" for the purpose of Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with sidewalk or path construction, use and repair.
e) a non-exclusive trail easement on, over, across, and through those strips of land depicted and designated herein as "4' Trail Easement" on sheet 5 of 5 for Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with path construction, or use. Maintenance of any path improvements within the "4' Pedestrian Easement" shall be at the sole cost and expense of the Minturn North P.O.A..
f) a non-exclusive utility and drainage easement as shown herein - on, over, under, above, across and through those areas designated hereon as " Public Utility and Drainage Easement" , as shown in Tract C, on sheet 2 of 5, for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvemeat and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.

SURVEYOR'S CERTIFICATE

I, Matthew S. Slagle, do hereby certify that I am a Professional Land Surveyor licensed to practice land surveying under the laws of the State of Colorado, That this Subdivision Plat is a true, correct and complete plat of MINTURN NORTH P.U.D., as laid out, platted, dedicated and shown hereon. that such plat was made from an accurate survey of said property by me and /or under my supervision and accurately shows the location and dimensions of the lots, easements and rights-of-way of said plat as the same are nonumented upon the ground in compliance with applicable regulation governing the subdivision of land, that such plat is based upon the professional land surveyor's knowledge, information and belief, that it has been prepared in accordance with applicable standards of practice, and that such plat is not a guaranty or warranty, either expressed or implied.

COLORADO REGISTERED 34998 PROFESSIONAL LAND SURVEYOR
02-26-24

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

Revised 02-07-24 Edited C.O.D. MSS
Revised 12-02-23 Edited Note 6a MSS
Revised 11-14-23 minor text MSS
Revised 11-07-23 Certain Dimensions MSS
Revised 11-06-23 Tract C Easements MSS
Revised 11-03-23 Town Comments MSS
Revised 10-11-23 Town Comments MSS
Revised 10-06-23 Town Comments MSS
Revised 09-26-23 Added Note regarding Tract C MSS

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVERED SUCH DEFECT. IN NO EVENT, MAY, ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF CERTIFICATION SHOWN HEREON.

CERTIFICATE OF DEDICATION AND OWNERSHIP AND PHILIP HADLEY

Know all men by these presents that Minturn Crossing LLC, being sole owner in fee simple, mortgagee or lienholder, of all that real property situated in the Town of Minturn, County of Eagle, State of Colorado described as follows:
Parcel 1, UPRR Subdivision according to the Final Plat thereof recorded on 13th, day of December, 2023 as Reception No. 202316483 in the Office of the Eagle County Clerk and Recorder, Eagle County, Colorado.
Containing 13.485 acres more or less; and has caused the same to be laid out, platted and subdivided, and designated as MINTURN NORTH P.U.D. subdivision in the Town of Minturn, County of Eagle, State of Colorado, and does hereby accept responsibility for the completion of the improvements required by this plat, and does hereby accept responsibility for the completion of the improvements required by this plat and does hereby dedicate and set aside the following tracts, parcels and easements as follows:
-To the Town of Minturn Tract H (Fourth Street) and the easements described and depicted hereon in General Note 7, together with associated public improvements.
-To Utility Providers such utility easements as depicted herein in which utility infrastructure is located.

OWNER: MINTURN CROSSING LLC
ADDRESS: 225 Main Street, Suite C-101
Edwards, Colorado 81632

BY: RICK HERMES
TITLE: MANAGER

STATE OF COLORADO)
)SS
COUNTY OF EAGLE)

THE FOREGOING CERTIFICATE OF DEDICATION AND OWNERSHIP WAS ACKNOWLEDGED BEFORE ME THIS 4 DAY OF MARCH, A.D, 2024 BY RICK HERMES AS MANAGER OF MINTURN CROSSING LLC.

MY COMMISSION EXPIRES: 6 AUG 27

CHRISTINE THURSTON
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20154031002
MY COMMISSION EXPIRES 08/06/2027

WITNESS MY HAND AND OFFICIAL SEAL

NOTARY PUBLIC

SUBORDINATION BY MORTGAGEE

Philip Hadley, being the holder of a promissory note secured by deed of trust recorded the 13th day of December 2023, at Reception No. 202316490, in the Office of the Clerk and Recorder of Eagle County, Colorado, hereby consents to the Subdivision of the lands set forth in this Final Plat of Minturn North, P.U.D., and subordinates the lien represented by the aforesaid Deed of Trust to the Dedications and restrictions as shown on this final plat and relative covenants, conditions and restrictions.

MORTGAGEE: Philip Hadley
BY: _____ as Individual

STATE OF Colorado)
) §
COUNTY OF Eagle)

The Foregoing Subordination by Mortgagee was acknowledged before me this 26 day of February 2024, By Philip Hadley as Individual.

WITNESS MY HAND AND OFFICIAL SEAL.

MY COMMISSION EXPIRES: Aug. 01, 2025

NOTARY PUBLIC

JESSICA L BECHARD
NOTARY PUBLIC - STATE OF COLORADO
Notary ID #20134048864
My Commission Expires 8/1/2025

CERTIFICATE OF TAXES PAID

I, the undersigned, do hereby certify that the entire amount of taxes and assessments due and payable as of JANUARY 1, 2023, ~~2023~~ upon all parcels of real estate described on this Plat are paid in full.

DATED THIS 1st OF March, A.D., 2024

R0068101

TREASURER OF EAGLE COUNTY

TITLE CERTIFICATE

LAND TITLE does hereby certify that it has examined the title to all lands shown upon this plat and that title to such is vested in MINTURN CROSSING LLC free and clear of all liens, taxes, and encumbrances, except DEED OF TRUST recorded 12/13/23, 202316490

DATED THIS 28TH DAY OF FEBRUARY, A.D., 2024

AGENT: _____

CLERK AND RECORDER'S CERTIFICATE # 5398

This Plat was filed for record in the Office of the Clerk and Recorder at 12:59 o'clock P.M., on this 4th day of March, A.D, 2024

CLERK AND RECORDER

BY: _____ DEPUTY

SLAGLE SURVEY SERVICES
800 Castle Drive - P.O. Box 751 Eagle, Colorado 81631
970.471.1499 Office matthew@slaglesurvey.com
www.SlagleSurvey.com

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

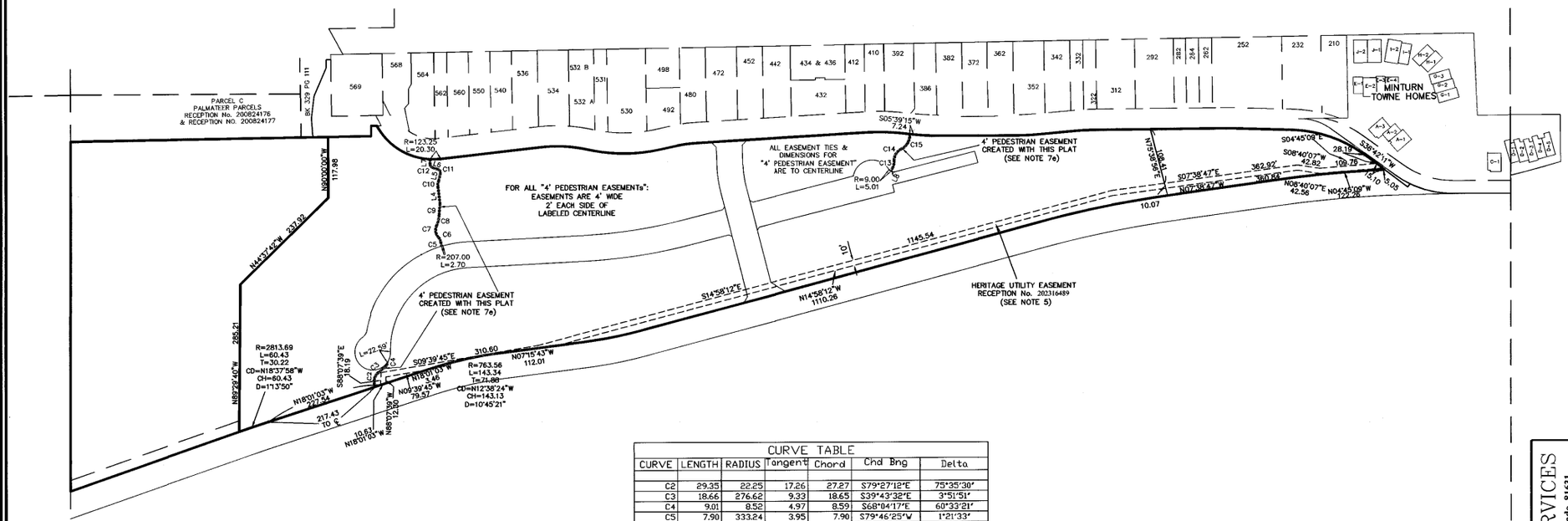
DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 1 OF 5		DATE: 08-13-2023

Eagle County, CO
Regina O'Brien
Pgs: 5
REC: $53.00 DOC: $0.00
02234
03/04/2024
12:59:18 PM

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 5 OF 5

ADDITIONAL EASEMENT DETAIL SHEET



LINE TABLE		
LINE	LENGTH	BEARING
L4	32.13	N83°15'49"E
L5	14.91	S77°04'30"E
L6	11.48	N18°26'21"E
L7	9.83	S89°36'46"E
L8	7.28	N62°43'18"W

CURVE TABLE						
CURVE	LENGTH	RADIUS	Tangent	Chord	Chd Brng	Delta
C2	29.35	22.25	17.26	27.27	S79°27'12"E	75°35'30"
C3	18.66	276.62	9.33	18.65	S39°43'32"E	3°51'51"
C4	9.01	8.52	4.97	8.59	S68°04'17"E	60°33'21"
C5	7.90	333.24	3.95	7.90	S79°46'25"W	1°21'33"
C6	11.08	18.95	5.70	10.93	N63°41'55"E	33°30'33"
C7	24.01	20.01	13.69	22.68	S81°19'10"W	68°45'04"
C8	20.65	49.15	10.48	20.50	S76°20'24"E	24°04'13"
C9	22.78	236.37	11.40	22.77	S85°36'54"E	5°31'15"
C10	12.77	20.27	6.60	12.56	S83°06'39"E	36°05'40"
C11	9.29	7.31	5.39	8.68	N57°19'55"E	72°46'53"
C12	8.09	6.45	4.68	7.57	N54°28'07"E	71°50'14"
C13	15.45	30.72	7.89	15.28	S77°07'28"E	28°48'21"
C14	27.14	23.79	15.26	25.69	S58°50'20"E	65°22'36"
C15	35.79	30.20	20.33	33.73	S60°06'18"E	67°54'31"

100 0 50 100 200 400

1 INCH = 100 FEET

COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR
34998
02-26-24

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

SLAGLE SURVEY SERVICES
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970.471.1499 Office matthew@slaglesurvey.com
www.SlagleSurvey.com

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

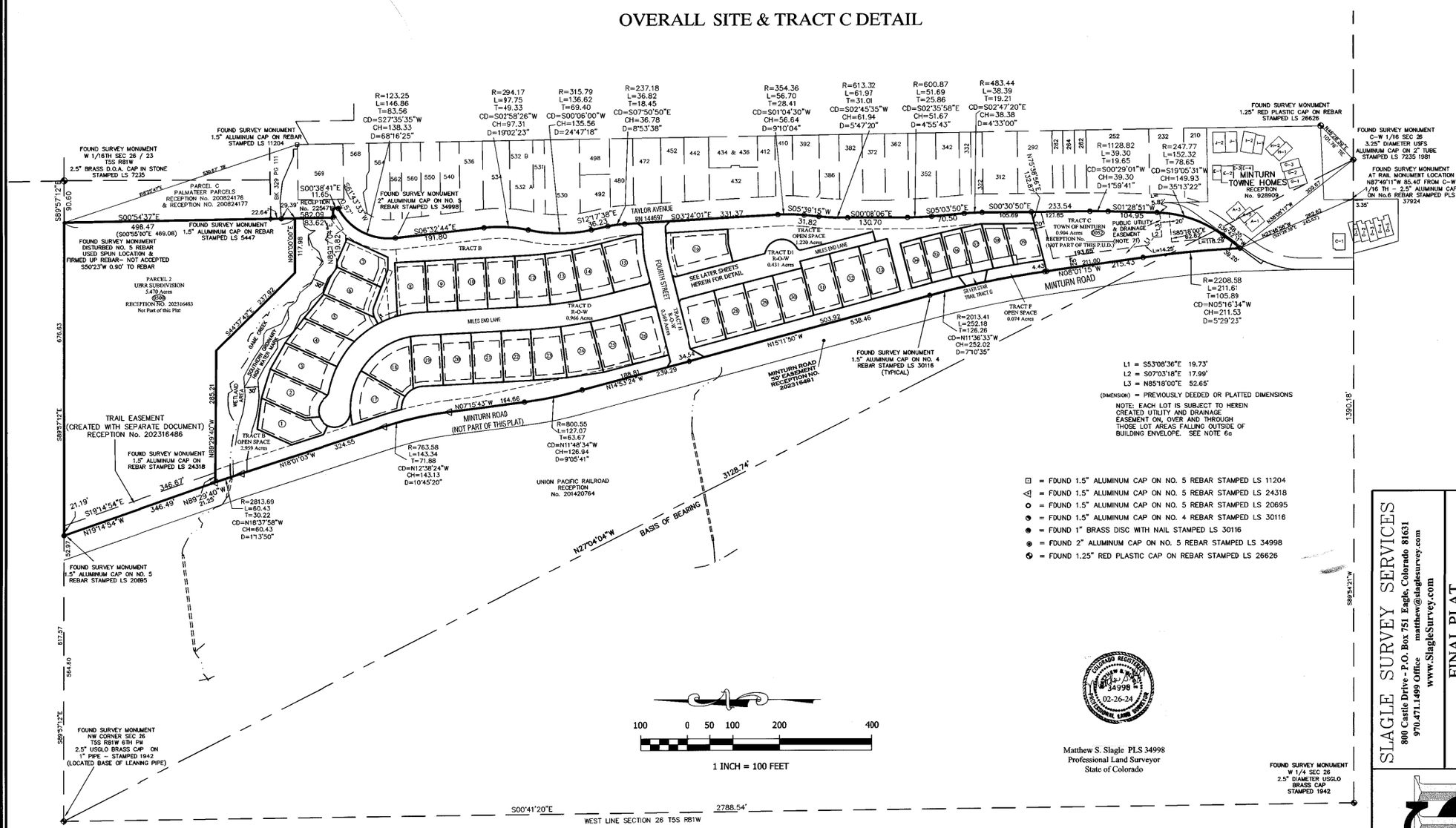
DRAWN BY: MSS | JOB NUMBER: 23055 | DRAWING NAME: 23055 FP2.dwg | DATE: 08-13-2023 | SHEET: 5 OF 5

202402234

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 2 OF 5

OVERALL SITE & TRACT C DETAIL



Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

COLORADO REGISTERED LAND SURVEYOR 34998 02-26-24

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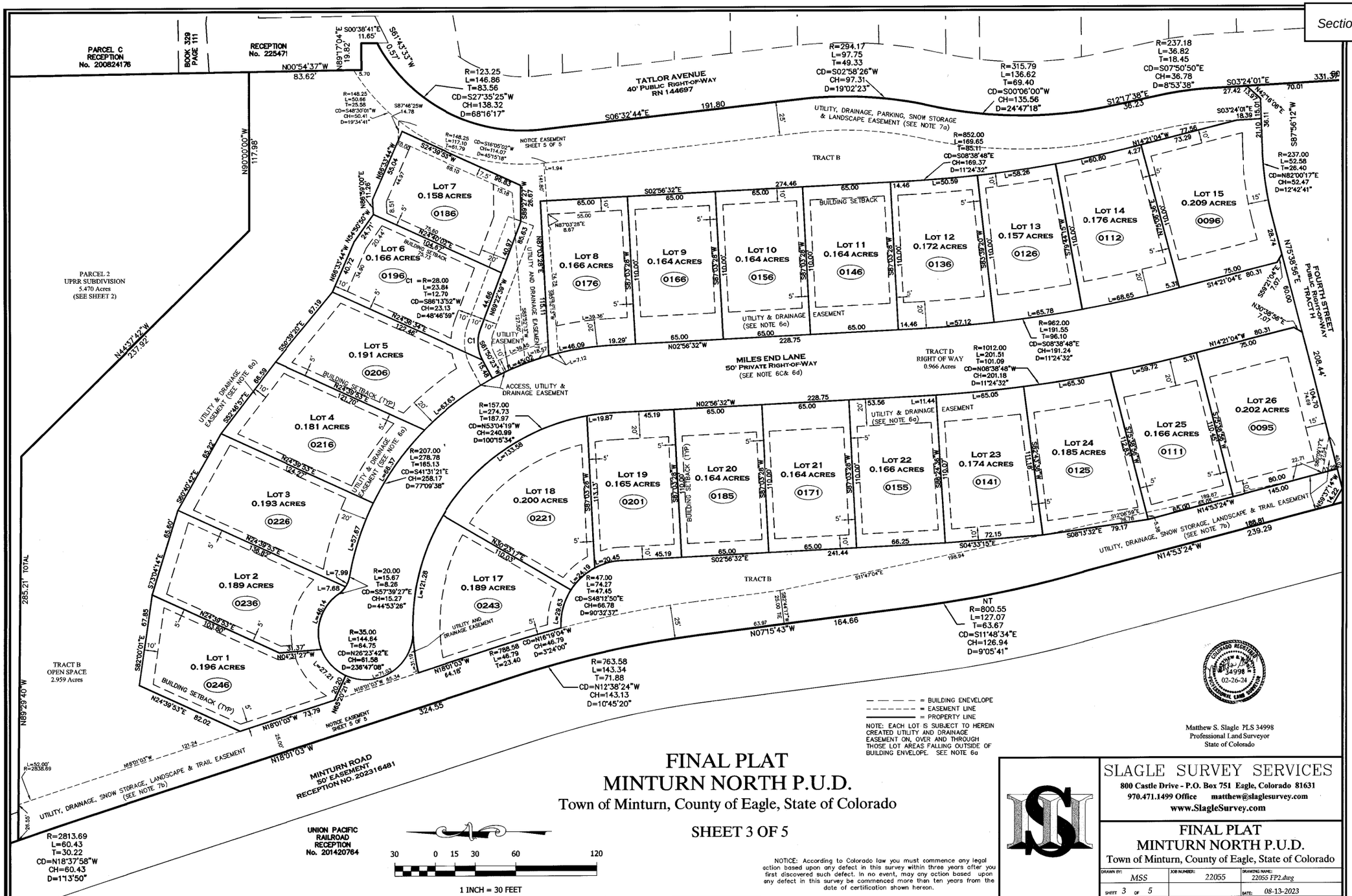
FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

DRAWN BY: MSS | JOB NUMBER: 22055 | DRAWING NAME: 22055 FP2.dwg | SHEET 2 OF 5 | DATE: 08-13-2023

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

202402234



FINAL PLAT
MINTURN NORTH P.U.D.

Town of Minturn, County of Eagle, State of Colorado

SHEET 3 OF 5

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Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

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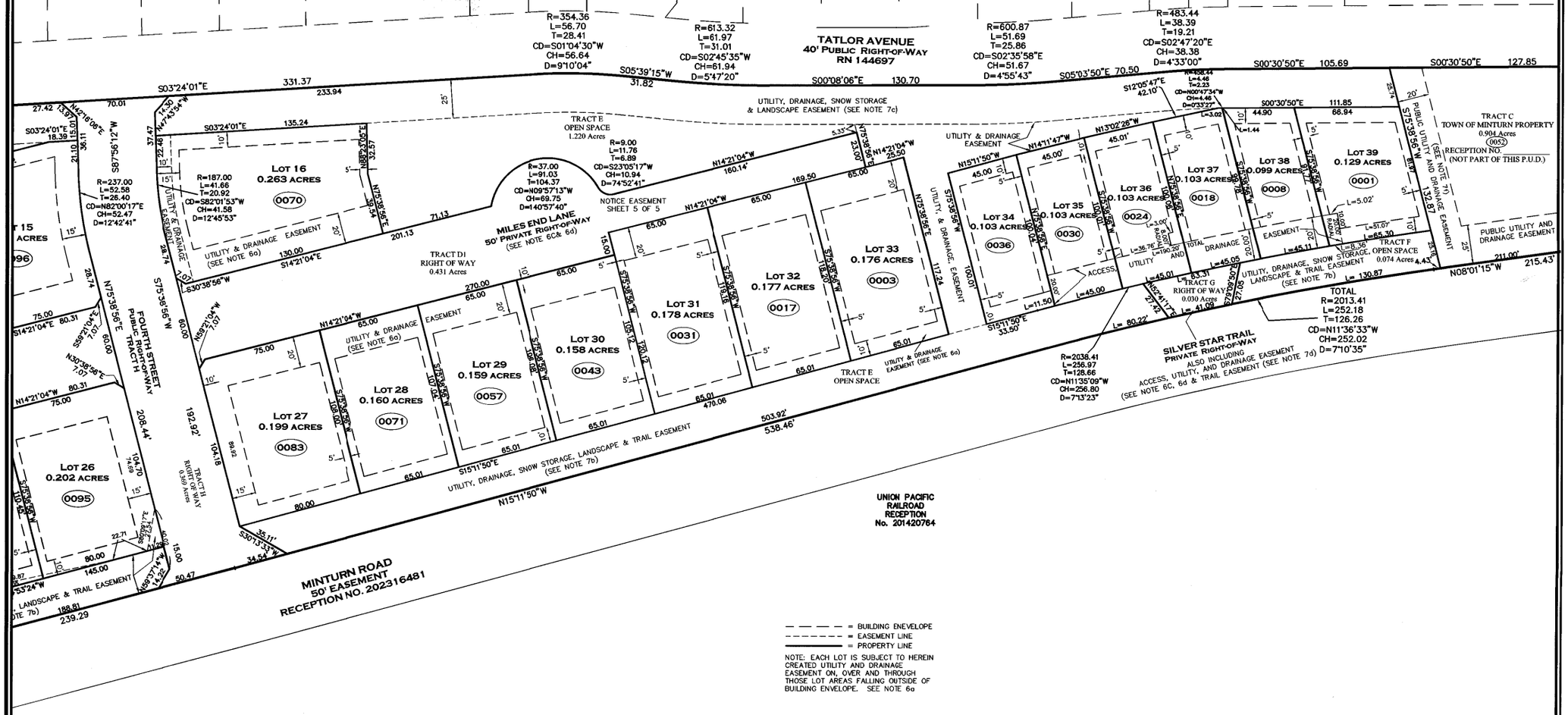
Town of Minturn, County of Eagle, State of Colorado

DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 3 OF 5		DATE: 08-13-2023

202402234

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 4 OF 5



Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

30 0 15 30 60 120
1 INCH = 30 FEET

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FINAL PLAT
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Town of Minturn, County of Eagle, State of Colorado

DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 4 OF 5		DATE: 08-13-2023

202402234

Boundaries Unlimited Inc.
Civil Engineering
Surveying
& Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE) Required Project: **TBD**

If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

COLORADO LICENSED
BRUCE D'LEMEN
5/1/24
19082
PROFESSIONAL ENGINEER

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

811 Know what's **below.** **Call** before you dig.

TOWN OF MINTURN, COLORADO

Minturn North P.U.D.

Overall Grading and Drainage Plan
Construction Plan Set 5/1/24

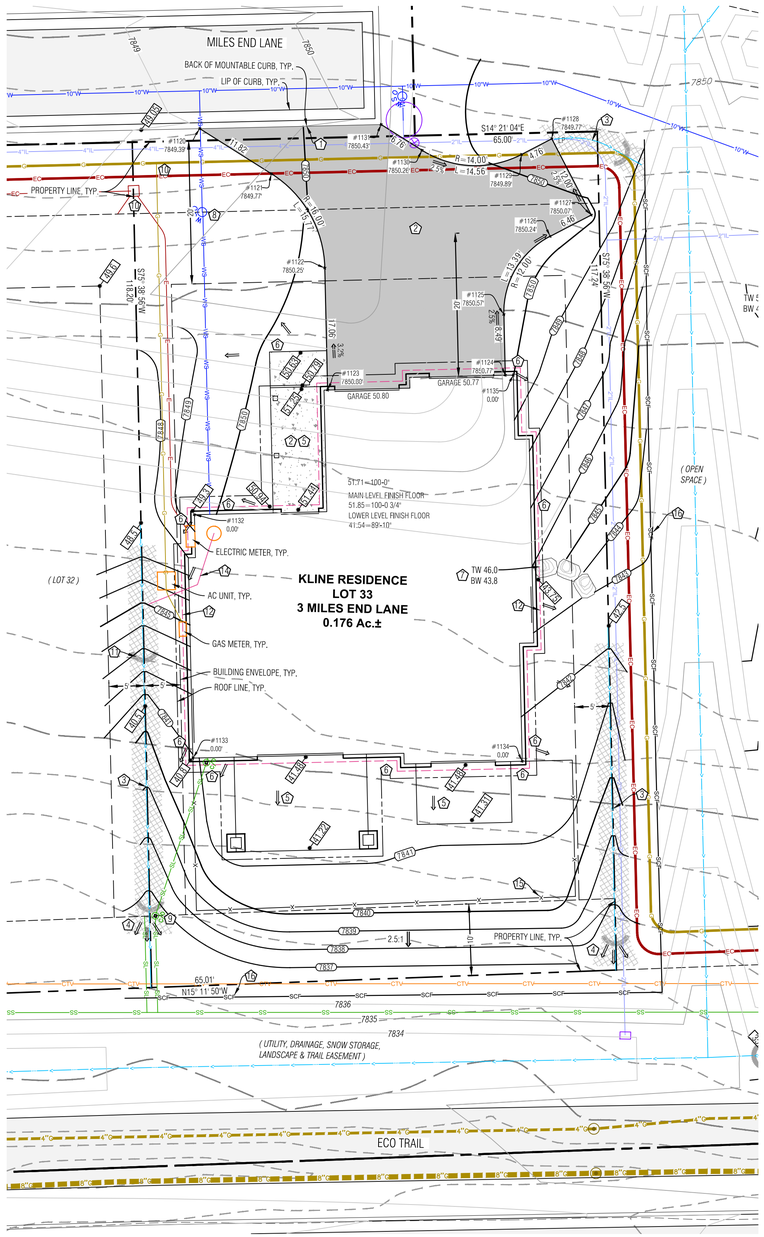
No.	Date	Revision	By
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			

PROJECT NO: **22036**
Designer: **PAH**
Drafter: **BUI**
Date: **12/25/22**

Sheet **C.4**

File Name: **22036 c-grading.dwg**

N:\PROJECTS\2022\22036 Minturn North\dwg\22036 C-Grading.dwg 5/15/2024 10:51 AM



Point Table				
Point #	Desc.	Elev.	North	East
1120	Driveway	7849.39	3275.00	5624.94
1121	Driveway	7849.77	3263.83	5621.06
1122	Driveway	7850.25	3253.58	5609.91
1123	Driveway	7850.80	3249.35	5593.38
1124	Driveway	7850.77	3225.62	5601.00
1125	Driveway	7850.57	3227.73	5609.22
1126	Driveway	7850.24	3223.88	5621.33
1127	Driveway	7850.07	3218.96	5625.52
1128	Driveway	7849.77	3226.75	5634.66
1129	Driveway	7849.89	3230.37	5631.57
1130	Driveway	7850.26	3244.04	5629.00
1131	Driveway	7850.43	3250.43	5631.22
1132	House Corner	0.00	3263.54	5572.20
1133	House Corner	0.00	3256.08	5539.01
1134	House Corner	0.00	3211.15	5548.96
1135	House Corner	0.00	3224.53	5601.28

LEGEND

TW	TOP OF WALL
BW	BOTTOM OF WALL
GB	GRADE BREAK
EX	EXISTING
LP	LOW POINT
HP	HIGH POINT
06.75	PROPOSED SPOT ELEVATION
	DRAINAGE SWALE
	FLOW ARROW
SCF	SEDIMENT CONTROL FENCE
8020 / 8018	PROPOSED MAJOR/MINOR CONTOUR
8020 / 8018	EXISTING MAJOR/MINOR CONTOUR
	EROSION LOGS
	ASPHALT DRIVEWAY & AUTOCOURT
	NORTH AMERICAN GREEN SC-250BN EROSION CONTROL FABRIC OR RIPRAP ALTERNATIVE
	FLAGNOTE
	EX CURB STOP
PROPOSED / EXISTING E	POSSIBLE ELECTRIC SERVICE
G	POSSIBLE GAS SERVICE
WS	POSSIBLE WATER SERVICE
SL	POSSIBLE SEWER SERVICE
	FOUNDATION DRAIN
8"SD	DOWNSPOUT & STORM DRAIN WITH SIZE
	BOULDER WALL

NOTES:

1) BASIS OF ELEVATION: NAVD88 BASED ON THE ORIGINAL TOPOGRAPHIC MAP OF MINTURN NORTH PREPARED BY GORE RANGE SURVEYING, LLC., JOB NO. 19-1203, DATED 4/1/21. NO BENCHMARK WAS NOTED ON THE BASE SURVEY.

2) THE BOUNDARY DIMENSIONS, EASEMENTS AND RIGHTS OF WAY SHOWN HEREON ARE BASED ON THE FINAL PLAT OF MINTURN NORTH PUD, AND SURVEY CONTROL MONUMENTS FOUND AT THE TIME OF THE SURVEY AND SHOWN ON THE SURVEY REFERENCED ABOVE.

3) SEE ADDITIONAL SITE NOTES & DETAILS ON SHEET C2.

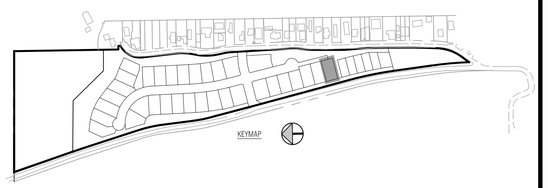
4) EXISTING CONTOUR INTERVAL IS 1 FT., PROPOSED CONTOUR INTERVAL IS 1 FT.

5) LOT AREA: 7,652 SF ±
DISTURBANCE AREA: 7,652 SF ±

6) THIS (CIVIL) PLAN SET IS INTENDED TO BE PLOTTED IN COLOR. FAILURE TO DO SO MAY RESULT IN MISSING DATA & INFORMATION CRITICAL TO THE PROJECT.

FLAGNOTES:

1. MATCH TO BACK OF EXISTING CURB.
2. PROPOSED ASPHALT DRIVEWAY, AUTO-COURT AND CONCRETE WALKWAYS. STRUCTURAL FILL UNDER THE BUILDING TO FOLLOW THE DIRECTION OF THE GEOTECH REPORT. ALL EARTHWORK CONSTRUCTION TO BE APPROVED BY THE GEOTECHNICAL ENGINEER.
3. PROVIDE DRAINAGE SWALE AS SHOWN, WITH NORTH AMERICAN GREEN SC250 EROSION FABRIC OR RIPRAP WHERE SLOPE EXCEEDS 5%, SEE DETAIL.
4. WHERE PROPOSED SWALE DAYLIGHTS WITH NATURAL GROUND, FAN OUT DRAINAGE SWALE TO EVENLY DISSIPATE DRAINAGE, TYP.
5. SLOPE PATIOS, DECKS AND WALKS AT 2% MIN. AWAY FROM THE STRUCTURE.
6. GRADE AROUND THE PERIMETER OF BUILDING AS NECESSARY 10% FOR 5-FEET MIN. (10 FT. WHERE POSSIBLE) IN UNPAVED AREAS TO ENSURE PROPER DRAINAGE AWAY FROM THE FOUNDATION. IT WILL BE IMPORTANT TO CONSTRUCT AND DIRECT SURFACE DRAINAGE AWAY FROM BUILDING, WALKS AND WALLS TO EITHER THE AUTOCOURT, THE OUTLET SWALE, OR DOWNWARD SLOPING NATURAL GRADE. VERIFY DRAINAGE AND SWALE INTEGRITY ON A REGULAR BASIS.
7. INSTALL BOULDER WALL FOR LANDSCAPE AREAS PER THE DETAIL ON SHEET C2. WALL DRAIN LINES NOT SHOWN.
8. LOCATE EXISTING CURB STOP, CONFIRM LOCATION AND CONNECTION WITH THE WATER & SANITATION DISTRICT, CONNECT AND EXTEND NEW WATER SERVICE TO MECHANICAL ROOM. MAINTAIN COVER OVER NEW SERVICE PER DISTRICT REGULATIONS.
9. APPROXIMATE LOCATION OF SEWER SERVICE STUB. CONFIRM INVERT PRIOR TO CONSTRUCTION FOR ABILITY TO SERVICE HOUSE BY GRAVITY, OR WHETHER A PUMP MAY BE REQUIRED. CONNECT AND EXTEND NEW SEWER SERVICE TO MECHANICAL ROOM. MAINTAIN COVER OVER NEW SERVICE PER DISTRICT REGULATIONS. INSTALL CLEANOUTS AT HOUSE EXTERIOR AND ALL BEND LOCATIONS.
10. LOCATE, CONNECT TO, AND EXTEND GAS, ELECTRIC, AND COMMUNICATION SERVICES TO METER CABINET AND GAS METER LOCATION. MAINTAIN COVER & CLEARANCES BETWEEN/OVER NEW SERVICES PER UTILITY REGULATIONS.
11. EROSION LOGS PER DETAIL ON SHEET C2.
12. FOUNDATION DRAIN, TYP., INSTALL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. DRAIN @ 0.5% MIN. TO DAYLIGHT, SEE DETAIL ON SHT. C2.
13. EXTEND THE FOUNDATION DRAIN FROM SUMP PUMP IN HOUSE TO DAYLIGHT WITH SOLID PIPE. COVER WITH A RODENT SCREEN AT END.
14. FENCELINE, RE: LANDSCAPE.
15. SEDIMENT CONTROL FENCE PER DETAIL ON SHEET C2.



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(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE) Required Project: **TBD**

If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION Review

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 10' 20'
Scale: 1" = 10'

811 Know what's below. Call before you dig.

TOWN OF MINTURN, COLORADO

Lot 33, Minturn North P.U.D.

Site, Grading and Drainage Plan

DRB Submittal 5/17/24

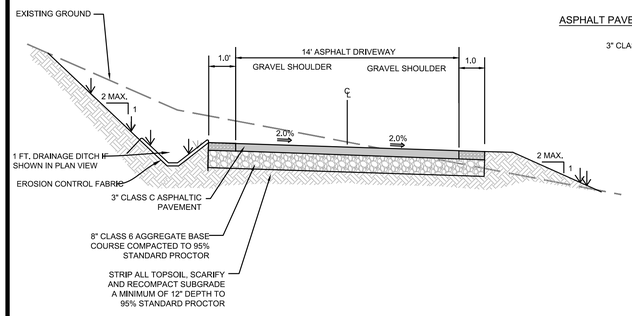
No.	Revision	Date	By
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			

PROJECT NO.
23035
Designer:
PAH
Drafter:
BUI
Date:
5/10/24

Sheet
C1

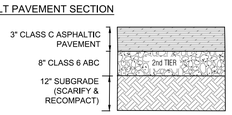
File Name: ***mn lot 33 sp-01.dwg***

N:\PROJECTS\2023\23035-Minturn North Individual Lots\dwg\Lot 33 Klein\MN Lot 33 SP-01.dwg 5/15/2024 4:07 PM



PROPOSED DRIVEWAY TYP. SECTION

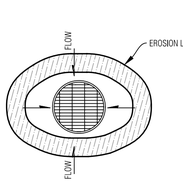
N.T.S. TO BE VERIFIED BY PROJECT GEOTECHNICAL ENGINEER



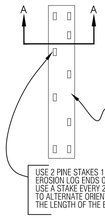
NOTE:
1. ALL AGGREGATE & SUBGRADE MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR AT A MOISTURE CONTENT WITHIN 2% OF OPTIMUM.
2. IN NEW PAVING LOCATIONS STRIP ALL TOPSOIL, SCARIFY AND RECOMPACT SUBGRADE A MINIMUM OF 12" DEPTH TO 95% STANDARD PROCTOR.
3. EXTEND THE SECOND TIER (12" CLASS 2 ROAD BASE, OR 8" CLASS 6 ROAD BASE) 1 FT. BEYOND EDGE OF PAVEMENT OR GRAVEL SURFACE, BOTH SIDES.

DRIVEWAY & AUTOCOURT SECTION

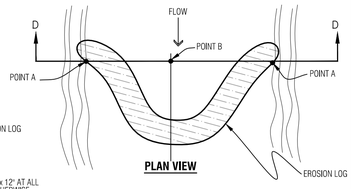
N.T.S. CONTRACTOR TO VERIFY WITH PROJECT GEOTECHNICAL CONSULTANT.



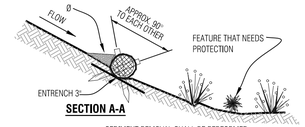
AREA DRAIN



PLAN VIEW

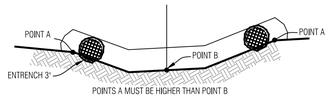


PLAN VIEW



SECTION A-A

Ø SEDIMENT REMOVAL SHALL BE PERFORMED CONTINUOUSLY FOR PROPER FUNCTION.

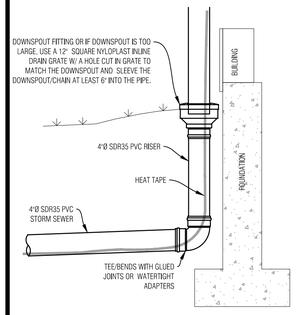


SECTION D-D

Temporary Erosion Control Log

N.T.S.

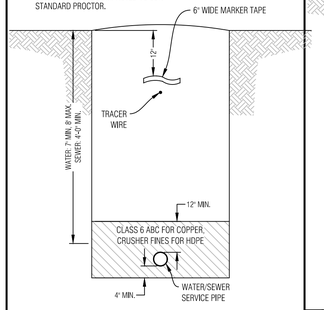
NOTES:
1. ROOF AND AREA DRAINS SHALL NOT BE CONNECTED TO THE FOUNDATION DRAIN SYSTEM.
2. ALL DOWNSPOUTS SHALL BE CONNECTED TO ADS N-12-WT CPP (WATERTIGHT), SCH.40 PVC OR SDR35 PVC. FLEXIBLE CORRUGATED PLASTIC IS NOT ACCEPTABLE.
3. ADDITIONAL FITTINGS AND BENDS MAY BE REQUIRED TO DEFLECT OVER OR AROUND LANDSCAPE WALLS.
4. HEAT TAPE SHALL BE INSTALLED IN ALL DOWNSPOUTS/STORM SEWER PIPES.



TYP. DOWNSPOUT CONNECTION

N.T.S.

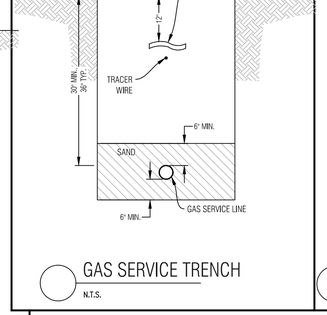
NOTES:
1. WATER SHALL BE INSTALLED WITH AT LEAST 10' OF SEPARATION BETWEEN WATER/SEWER AND 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



WATER/SEWER SERVICE TRENCH

N.T.S.

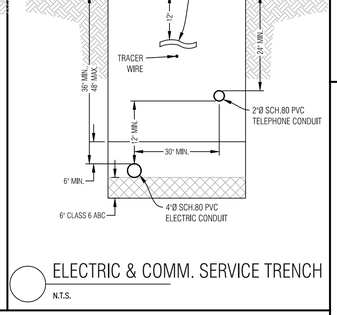
NOTES:
1. GAS SHALL BE INSTALLED WITH AT LEAST 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



GAS SERVICE TRENCH

N.T.S.

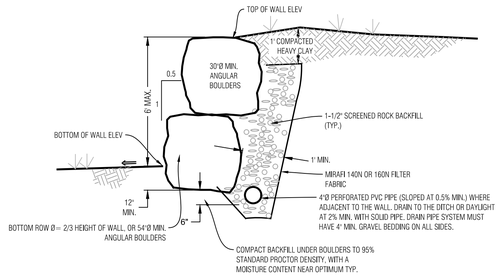
NOTES:
1. ELECTRIC & TELEPHONE SHALL BE INSTALLED WITH AT LEAST 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



ELECTRIC & COMM. SERVICE TRENCH

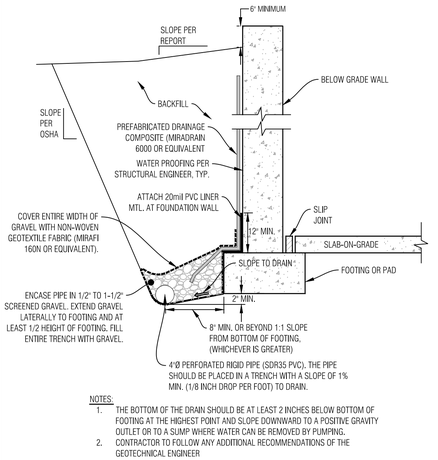
N.T.S.

NOTES:
1. THIS DETAIL IS FOR RETAINING LANDSCAPED AREAS ONLY AND SHALL NOT BE USED TO RETAIN STRUCTURE OR VEHICLE LOADED AREAS.
2. FREE DRAINING WALL BACKFILL SHOULD BE CAPPED WITH AT LEAST 12 INCHES OF COMPACTED HEAVY CLAYS TO REDUCE SURFACE WATER INFILTRATION.
3. ROUND RIVER BOULDERS ARE NOT ACCEPTABLE.
4. SET BASE ROWS ON BENCHES WHERE THE TOPSOIL HAS BEEN REMOVED AND THE SUBBASE HAS BEEN SCARIFIED TO 9" MINIMUM DEPTH & RECOMPACTED TO 95% STANDARD PROCTOR.
5. CARE SHOULD BE TAKEN NOT TO OVER COMPACT THE BACKFILL OR USE LARGE EQUIPMENT NEAR THE WALL.
6. SELECT AND PLACE BOULDERS IN A MANNER WHICH PERMITS AT LEAST 30% CONTACT AREA WITH ADJACENT BOULDERS.
7. PLACE LARGER BOULDERS AT BOTTOM AND TRANSITION TO SMALLER BOULDERS AT TOP OF WALL. UNDER NO CIRCUMSTANCES SHOULD ANY BOULDER BE PLACED ON TOP OF ANOTHER BOULDER WHICH IS SMALLER THAN ITSELF.



BOULDER WALL DETAIL, LANDSCAPED AREA

N.T.S.

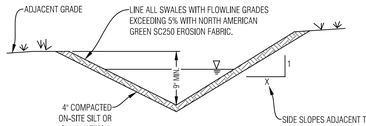


NOTES:
1. THE BOTTOM OF THE DRAIN SHOULD BE AT LEAST 2 INCHES BELOW BOTTOM OF FOOTING AT THE HIGHEST POINT AND SLOPE DOWNWARD TO A POSITIVE GRAVITY OUTLET OR TO A SUMP WHERE WATER CAN BE REMOVED BY PUMPING.
2. CONTRACTOR TO FOLLOW ANY ADDITIONAL RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER

TYPICAL FOUNDATION DRAIN

N.T.S.

CONTRACTOR TO VERIFY WITH PROJECT GEOTECHNICAL CONSULTANT.



INSTALL EROSION CONTROL FABRIC PER MANUFACTURERS RECOMMENDATIONS

TYPICAL SWALE SECTION

N.T.S. SHAPE DITCH ACCORDING TO SITE PLAN

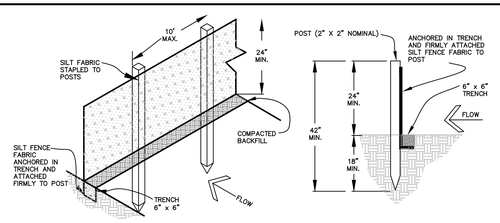
NOTE
SEE THE GRADING, DRAINAGE AND EROSION CONTROL SHEET FOR SWALE LOCATIONS

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL MEET OR EXCEED THE CURRENT CONSTRUCTION AND DESIGN STANDARDS ESTABLISHED BY THE DESIGN GUIDELINES AND TOWN OF MINTURN AND BE SUBJECT TO OBSERVATION BY THE TOWN AND THE PROJECT ENGINEER. IN THE EVENT OF CONFLICT PUD GUIDELINES SUPERCEDE TOWN.
2. THIS DESIGN WAS PREPARED WITHOUT THE BENEFIT OF A SUBSURFACE UTILITY ENGINEERING (SUE) STUDY OR MAP. THIS DESIGN HAS BEEN PREPARED FOR A PRIVATE DEVELOPMENT USING EXISTING UTILITY INFORMATION PROVIDED BY OTHERS. EXISTING UTILITIES ARE SHOWN AS THEY ARE BELIEVED TO EXIST, BUT MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. BOUNDARIES UNLIMITED INC. DID NOT CONFIRM ANY DATA PROVIDED OR PERFORM ANY ADDITIONAL RESEARCH OR NOTIFICATION TO ELEVATE THESE PLANS TO SENATE BILL 18-167 STANDARDS, AS SUCH, BOUNDARIES UNLIMITED INC. MAKES NO GUARANTY, EXPRESSED OR IMPLIED, FOR THE LOCATION OF SUBSURFACE UTILITIES CONTAINED WITHIN THIS PLAN SET. IF THE CLIENT AND/OR CONTRACTOR REQUIRES A SUBSURFACE UTILITY ENGINEERING STUDY OR MAP FOR FULL COMPLIANCE WITH SENATE BILL 18-167, THEN A MORE EXHAUSTIVE INVESTIGATION SHALL BE OBTAINED BY THE CLIENT AND/OR CONTRACTOR PRIOR TO COMMENCING WITH ANY CONSTRUCTION. OTHERWISE, PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES FOR LINE LOCATIONS. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER OF ANY POTENTIAL CONFLICTS PRIOR TO UTILITY CONSTRUCTION SO THAT LINE OR GRADE CHANGES CAN BE MADE TO AVOID A CONFLICT WITH ANY EXISTING UTILITY. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION AND, AT NO EXPENSE TO THE CLIENT OR PROJECT ENGINEER, REPAIR ANY DAMAGED UTILITIES.
3. ALL EXCAVATIONS FOR UTILITY LINES, RETAINING WALLS, ROADWAYS, BUILDING STRUCTURES, DRAINAGE FACILITIES AND TRENCHES, SHALL MEET THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), COLORADO INDUSTRIAL COMMISSION, OR THE COLORADO DIVISION OF MINES, WHICH EVER APPLIES. SAFETY IS THE CONTRACTOR'S RESPONSIBILITY. NO OTHER PARTIES ARE RESPONSIBLE FOR SAFETY IN, ON OR ABOUT THE SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATING HERETO.
4. COMPACTION MUST BE ATTAINED AND COMPACTION RESULTS SUBMITTED TO THE TOWN AND THE PROJECT ENGINEER PRIOR TO ACCEPTANCE. COMPACTION SHALL MEET OR EXCEED TOWN REGULATIONS. 95% STANDARD PROCTOR DENSITY IS REQUIRED FOR ALL ROADWAY AND DRIVEWAY SUBGRADE CONSTRUCTION AND TRENCH BACKFILL UNDER THE SAME, & 90% STANDARD PROCTOR DENSITY IN LANDSCAPE AREAS, UNLESS NOTED OTHERWISE OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. SEE SOILS REPORT FOR STRUCTURAL FOUNDATION RECOMMENDATIONS.
5. THE CONTRACTOR SHALL CONTAIN HIS CONSTRUCTION ACTIVITIES TO THE AREA WITHIN THE STREET RIGHT OF WAY AND PROPERTY OWNED, OR EASEMENTS PROVIDED TO OWNER. THE CONTRACTOR SHALL NOT OPERATE OUTSIDE THIS AREA WITHOUT THE PRIOR CONSENT OF THE PROPERTY OWNER INVOLVED. ANY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE THESE LIMITS WITHOUT THE PERMISSION OF THE PRIVATE PROPERTY OWNER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL ENSURE DRAINAGE AWAY FROM ALL STRUCTURES IN ALL DIRECTIONS. DO NOT ALLOW WATER TO POND ON-SITE, PROVIDE SWALES TO DRAINAGE STRUCTURES AND RUNOUT. SHALLOW DRAINAGE SWALES HAVE A TENDENCY OVER TIME TO FILL IN & BECOME LESS EFFECTIVE. PERIODIC MAINTENANCE, AT LEAST TWICE A YEAR, IS NECESSARY TO CHECK THE INTEGRITY OF THE SWALE & MAINTAIN DRAINAGE CHARACTERISTICS. BUILDING FOUNDATION WALL HEIGHT TO BE A MINIMUM OF 6" ABOVE FINISH GROUND AT EXTERIOR WALL.
7. THE CONTRACTOR SHALL AT ALL TIMES KEEP TWO FULL SETS OF CONTRACT DRAWINGS MARKED UP TO INDICATE THE AS-BUILT CONDITIONS. THE DRAWINGS SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER UPON COMPLETION OF THE WORK. WHERE PRACTICAL, THE CONTRACTOR IS TO PROVIDE AT LEAST TWO TIES FROM PHYSICAL MONUMENTS TO ALL FITTINGS, VALVES, MANHOLES, AND THE END OF ALL SERVICE LINES.
8. ON-SITE OBSERVATIONS AND REVIEW CONDUCTED BY THE TOWN OR THE PROJECT ENGINEER OF CONSTRUCTION WORK IN PROGRESS ARE NOT TO BE CONSTRUED AS A GUARANTEE OR WARRANTY BY THE TOWN OR THE PROJECT ENGINEER OF THE COMPLETED WORK AND THE CONTRACTOR'S RESPONSIBILITIES.
9. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO SIGNIFICANTLY REDUCE ANY POTENTIAL POLLUTION CAUSED BY HIS ACTIVITIES, INCLUDING VEHICLE FUELING, STORAGE OF FERTILIZERS OR CHEMICALS, ETC. THE CONTRACTOR SHALL HAVE IDENTIFIED PROCEDURES FOR HANDLING POTENTIAL POLLUTANTS AND IDENTIFIED SPILL PREVENTION AND RESPONSE PROCEDURES PRIOR TO ANY ACTIVITIES AT THE PROJECT SITE.
10. THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. ANY MISSING DIMENSIONS OR DISCREPANCIES IN PLANS, FIELD STAKING, OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING THE ENGINEER, HE DOES SO AT HIS OWN RISK.
11. DISPOSAL OF TRASH, ASPHALT, CONCRETE AND CONSTRUCTION DEBRIS IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE CONSIDERED PART OF THE WORK.
12. HORIZONTAL & VERTICAL INFORMATION FOR EXISTING PROPERTY LINES, TOPOGRAPHY, ROADWAY, UTILITIES & DRAINAGE STRUCTURES WERE TAKEN FROM THE DESIGN DRAWINGS FOR THE MINTURN NORTH PUD, ALSO SEE LANDSCAPE, ARCHITECTURAL AND STRUCTURAL ENGINEERING PLANS FOR ADDITIONAL BUILDING AND LANDSCAPE INFORMATION.
13. IN NON HARDSCAPE AREAS, GRADE AT A MINIMUM OF 12" IN THE FIRST 5 FEET AWAY FROM THE STRUCTURE, OR AS DIRECTED BY THE GEOTECHNICAL STUDY. EXTERIOR BACKFILL SHOULD BE ADJUSTED TO NEAR OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY IN PAVEMENT AREAS AND TO AT LEAST 90% OF THE MAXIMUM STANDARD PROCTOR DENSITY IN LANDSCAPE AREAS. SEE & FOLLOW RECOMMENDATIONS OF THE GEOTECHNICAL SUBSOIL STUDY BY KUMAR & ASSOCIATES, INC. DATED _____, JOB NO. _____.
14. ALL PRODUCT INFORMATION SHOWN IS AS PROVIDED BY THE MANUFACTURER. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND COMPLYING WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS FOR THE INSTALLATION OF ALL MATERIALS WITH SPECIAL ATTENTION TO PROPER SEALING OF MATING SURFACES. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE DELIVERED PRODUCTS AND THOSE SHOWN ON THIS PLAN.
15. FOUNDATION AND RETAINING WALL DESIGNS TO BE OBTAINED FROM, OR VERIFIED BY THE PROJECT STRUCTURAL OR GEOTECHNICAL ENGINEER.
16. THE FOUNDATION DRAIN SYSTEM SHALL BE INSTALLED PER THE RECOMMENDATION OF THE STRUCTURAL AND GEOTECHNICAL ENGINEERS.
17. THE SURVEYOR RESPONSIBLE FOR STAKING THE FOUNDATION OF THE HOUSE IS RESPONSIBLE TO MAKE SURE HE HAS THE LATEST SITE, FOUNDATION & ARCHITECTURAL PLANS AVAILABLE, ALONG WITH ANY UPDATED LOTLINE, SETBACK & EASEMENT INFORMATION.
18. INSTALL ROOF GUTTERS AND DOWNSPOUTS THAT DISCHARGE WELL BEYOND THE LIMITS OF ALL BACKFILL. CONFIRM DOWNSPOUT DRAINAGE HAS GOOD POSITIVE GRADE RUNNING AWAY FROM THE HOUSE. STORM DRAIN PIPES TO BE INSTALLED WITH 1% MINIMUM SLOPE TO THE OUTFALL POINTS. HEAT TAPE SHALL BE INSTALLED IN ALL EXTERIOR ROOF GUTTERS, DRAIN PIPES, DOWNSPOUTS, AREA DRAINS, TRENCH DRAINS, STORM DRAIN PIPES AND GRATED STRUCTURES.
19. LANDSCAPING WHICH REQUIRES REGULAR HEAVY IRRIGATION SUCH AS SOD, AND LAWN SPRINKLER HEADS SHOULD BE LOCATED AT LEAST 10 FEET FROM FOUNDATION WALLS.
20. ACCUMULATED SNOWFALL SHALL BE REMOVED TO GRASS AREA TO ENSURE THAT PROPER DRAINAGE AWAY FROM THE BUILDING IS MAINTAINED.
21. FINISH GRADE & SPOT ELEVATIONS AT THE EXTERIOR OF THE STRUCTURE ASSUME THAT THE FOUNDATION WALLS EXTEND ABOVE THE BUILDING FINISH FLOOR & HANGER FLOOR JOISTS ARE USED. EXTERIOR GRADE TO BE A MINIMUM OF 6" BELOW TOP OF FOUNDATION WALL. THE FOUNDATION WALL HEIGHT MAY NEED TO BE EXTENDED IN ORDER TO ACHIEVE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE.
22. INSTALL DEEP & SHALLOW UTILITY SERVICES ACCORDING TO RESPECTIVE UTILITY COMPANY OR METRO DISTRICT SPECIFICATIONS AND REGULATIONS. HORIZONTAL LOCATIONS OF SERVICE LINES ARE SUGGESTIONS ONLY, PROPOSED UTILITY SERVICES TO THE RESIDENCE MAY BE VARIED FROM THE LOCATIONS SHOWN. ALL WATER AND SEWER SERVICES SHALL BE INSTALLED PER METRO DISTRICT REGULATIONS.
23. DRAINAGE PIPES CALLED OUT AS ADS SHALL BE ADVANCED DRAINAGE SYSTEMS N-12 WATER RESISTANT PIPE (ADS N-12-WT) OR ENGINEER APPROVED EQUAL. ALL PIPES SHALL BE INSTALLED WITH WATERTIGHT CONNECTIONS.
24. CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITTING FOR CONSTRUCTION FROM THE APPROPRIATE GOVERNMENTAL ENTITIES.
25. ALL UTILITIES, BOTH UNDERGROUND OR OVERHEAD, SHALL BE MAINTAINED IN CONTINUOUS SERVICE THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR DAMAGES TO, OR INTERRUPTION OF, SERVICES CAUSED BY THE CONSTRUCTION.

GENERAL NOTES

N.T.S.



EROSION CONTROL NOTES:

1. IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL MEASURES SHALL PRECEDE STRIPPING OF NATIVE VEGETATIVE COVER AND AS GRADING PROGRESSES.
2. ALL TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. STRAW BALE DIKES OR SILT FENCING MAY REQUIRE PERIODIC REPLACEMENT. SEDIMENT TRAPS WILL REQUIRE PERIODIC SEDIMENT REMOVAL.
3. INSTALL PERMANENT EROSION FABRIC IN THE FLOW LINES OF DRAINAGE SWALES.

SEDIMENT CONTROL FENCE DETAIL

N.T.S.

Boundaries Unlimited Inc.
Civil Engineering Surveying & Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE) Required Project: **TBD**

If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

NOT FOR Review CONSTRUCTION

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 10' 20'
Scale: 1" = 10'

811 Know what's below. Call before you dig.

TOWN OF MINTURN, COLORADO

Lot 33, Minturn North P.U.D.

Details and Notes
DRB Submittal 5/17/24

No.	Date	Revision	By
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			

PROJECT NO. **23035**
Designer: **PAH**
Drafter: **BUI**
Date: **5/10/24**

Sheet **C2**

File Name: ***mn lot 33 sp-01.dwg***

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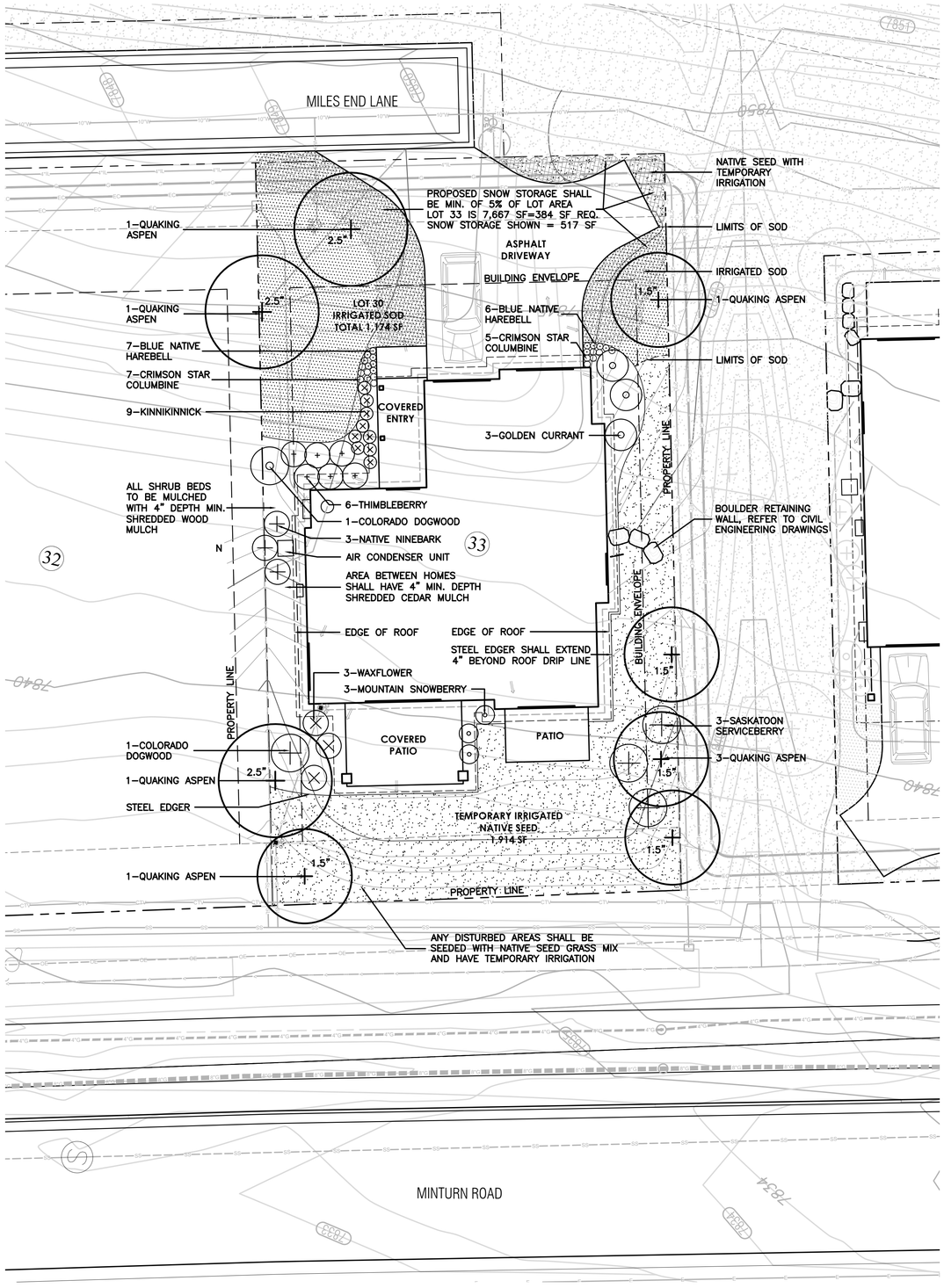


LEGEND

- IRRIGATED SOD, REFER TO L2 FOR DETAILS
- NATIVE SEED MIX WITH TEMPORARY IRRIGATION, REFER TO L2 FOR DETAILS
- PROPOSED BOULDER RETAINING WALL, REFER TO CIVIL ENGINEERING FOR DETAILS
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- PROPOSED DECIDUOUS SHRUBS
- PROPOSED ORNAMENTAL GRASSES
- PROPOSED FLOWERING PERENNIALS
- SNOW STORAGE AREA

0 5 10 20
SCALE: 1"=10'–0"

811 Know what's below. Call before you dig.

LANDSCAPE ARCHITECT:
TOMINA TOWNSEND, LA
PO BOX 3000, PMB 301
EDWARDS, CO 81632
P. 303.572.7876
TTownsend@ResortConceptsCO.com

MINTURN NORTH P.U.D.

LOT 33-LANDSCAPE PLAN

TOWN OF MINTURN, COLORADO

DESIGNED: TT
DRAWN: TT
CHECKED: RH
DATE: May 17, 2024
REVISIONS:

DRB SUBMITTAL

SHEET TITLE:
PROPOSED LANDSCAPE PLAN

SCALE: 1"=10'-0"

SHEET NUMBER:
L1

General Notes and Specifications:

1. All areas disturbed by construction and not designated a shrub bed or sod, shall be planted with the specified native grass seed.
2. The contractor shall maintain positive drainage away from all walls and walkways. Fine grading shall be approved prior to planting.
3. The Landscape Plan shall be reviewed on site prior to installation to ensure planting meets the intent of the design guidelines and Town of Minturn standards.
4. See Civil Engineering sheets for final grading and drainage.
5. Snow Storage area shall be a min. of 25% of all driveway and parking areas.

Revegetation Notes:

1. Seed shall be broadcast and raked to ¼" depth.
2. Apply Biodegradable Green Dyed-Wood Celluose-Fiber Mulch to all seeded Areas at a rate of 20 lbs. per 1,000 s.f.
3. Prior to seeding, apply min. 6" topsoil, 10 lbs./1,000 s.f. Superphosphate and 40 lbs./1,000 s.f. Biosol Complete Fertilizer.

Fire Mitigation Recommendations:

1. Zone 1 (15' from building and integral planting): no highly flammable plants, such as evergreen trees and shrubs should be planted within 15' of the structure or attachments.
2. Zone 2 (70' from building and Integral planting): a 10' crown separation must be maintained for all evergreen trees and shrubs over 4' height. A 4' crown separation must be maintained for evergreen shrubs under 4' height.
3. Plants listed on forest service publication 6.305 FireWise Plant Material can be used in any zone.
4. Existing junipers within Zone 1 and Zone 2 must be limbed ⅓ of their total height, but no more than 10' height.
5. Dead limbs shall be removed from all existing Serviceberry within Zone 1 or Zone 2.
6. If necessary, final existing vegetation to be limbed or removed for fire mitigation purposes will be subject to the constraints of the final unit site plans and reviewed on site with a representative from the Town of Minturn on a unit by unit basis prior to construction.

LEGEND & IRRIGATION CALCULATIONS:

Permanent Irrigation		Square Footage of Irrigation
	Permanent Pop–Up Spray Irrigation For Bluegrass Sod	1,174 SF
	Permanent micro–spray or drip irrigation for perennial beds	25 PERENNIALS x 1 SF = 25 SF
	Permanent Drip Irrigation For B&B Trees	8 TREES x 4.5 SF = 36 SF
	Permanent Drip Irrigation For 5 gal. Shrubs & Grasses	32 SHRUBS x 3 SF = 96 SF
		TOTAL PERMANENT IRRIGATED AREA: 1,331 SF
	Temporary Spray Irrigation For Native Seed	1,914 SF

IRRIGATION NOTES:

1. DESIGN CRITERIA: DESIGN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO UNIFORMLY IRRIGATE ALL PLANTING AREAS. ZONE IRRIGATED SOD, NATIVE SEED GRASS, AND SHRUB PLANTING AREAS SEPARATELY. PROVIDE DRIP IRRIGATION FOR SHRUB BEDS. PROVIDE MICRO–SPRAY HEADS OR DRIP IRRIGATION, DEPENDING ON PLANT MATERIAL, IN PERENNIAL AND GROUNDCOVER BEDS. DESIGN ROTORS FOR TURF GRASS AREAS MORE THAN 40' WIDE, AND POP–UP SPRAY HEADS FOR AREAS LESS THAN 40' WIDE.
2. ALL TREES AND SHRUBS TO BE DRIP IRRIGATED.

ALL DISTURBED AREAS SHALL BE SEEDED WITH: 'DRY NATIVE MOUNTAIN' SEED MIX

THIS SEED MIX HAS BEEN CHOSEN FOR THE SPECIFIC PROJECT LOCATION AND ELEVATION. LANDSCAPE INSTALLER SHALL NOT DEVIATE FROM THIS REVEGETATION SEED MIX WITHOUT WRITTEN APPROVAL FROM THE RESORT CONCEPTS SITE MANAGER.

COMMON NAME	SEEDING RATE % MIX	BULK LBS PER ACRE
SANDBERG BLUE	10%	5.00
MOUNTAIN BROME	20%	10.00
SLENDER WHEATGRASS	15%	7.50
BLUEBUNCH WHEATGRASS	10%	5.00
ROCKY MOUNTAIN FESCUE	10%	5.00
THICKSPIKE WHEATGRASS	15%	7.50
BOTTLEBRUSH SQUIRRELTAIL	2.5%	1.25
STREAMBANK WHEATGRASS	15%	7.50
PRAIRIE JUNEGRASS	2.5%	1.25
TOTAL LBS./ACRE	100%	50

NOTES:

PERCENTAGES OF MIXES VARY YEAR–TO–YEAR DEPENDING ON HARVEST OF SEEDS. HYDROSEED OR HAND BROADCAST: 1 LB. PER 1,000 SQ. FT. OR 50 LBS. PER ACRE. RAKE IN ¼" DEEP AND IRRIGATE, IF POSSIBLE UNTIL ESTABLISHED. 'DRY NATIVE MOUNTAIN' SEED MIX IS AVAILABLE FROM PAWNEE BUTTES SEED INC., 605 25TH STREET, GREELEY, CO 80632.
PHONE: 1–800–782–5947
WEBSITE: PAWNEEBUTTESSEED.COM

PROPOSED PLANT MATERIALS LIST

Note: All plant material has been chosen from the CSU Extension Office recommended plant lists. These lists have been cross referenced to find suitable plants for the elevation of Minturn (10,000 ft and above), and also to maximize use of plants native to the area, low-water use plants, and plants that enhance habitat and food sources for insects, butterflies, birds and other animals. The cross referenced lists are the following:

- CSU Extension, Fire Wise Plant Materials - 6.305
- CSU Extension, Trees and Shrubs for Mountain Areas - Fact Sheet No. 7.423
- CSU Extension, Low-Water Native Plants for Colorado Gardens, Mountains 7,500' and Above - CO Native Plant Society
- CSU Extension, Native Trees for Colorado Landscapes - Fact Sheet No. 7.421
- CSU Extension, Native Shrubs for Colorado Landscapes - Fact Sheet No. 7.422

QUAN.	COMMON/ BOTANICAL NAME	FIRE MITIGATION ZONE	SIZE	COMMENTS
	DECIDUOUS TREES			
5	Quaking Aspen Populus tremuloides	1 & 2	1.5" cal.	Specimen quality B&B, guyed
3	Quaking Aspen Populus tremuloides	1 & 2	2.5" cal.	Specimen quality B&B, guyed
	PERENNIAL FLOWERS (planted @ 12" O.C. spacing)			
13	Blue Native Harebell Campanula rotundifolia	1 & 2	Flats of 15 or 32	
12	Crimson Star Columbine Aquilegia 'Crimson Star'	1 & 2	Flats of 15	
	DECIDUOUS SHRUBS			
2	Colorado Dogwood Cornus sericea coloradense	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
3	Golden Currant Ribes aureum	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
9	Kinnikinnick Arctostaphylos (varieties)	1 & 2	5 gal.	Container, 5 canes minimum 3"–6" ht.
3	Mountain Snowberry Symphoricarpos oreophilus	1 & 2	5 gal.	Container, 5 canes minimum 12"–18" ht.
3	Native Ninebark Physocarpus monogynus	1 & 2	5 gal.	Container, 5 canes minimum 12"–18" ht.
3	Saskatoon Serviceberry Amelanchier alnifolia	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
6	Thimbleberry Rubus parviflorus	1 & 2	5 gal.	Container, 5 canes minimum 18"–24" ht.
3	Waxflower Jamesia americana	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.

LANDSCAPE ARCHITECT:
TOMINA TOWNSEND, LA
PO BOX 3000, PMB 301
EDWARDS, CO 81632
P. 303.572.7876
TTownsend@ResortConceptsCO.com

811 Know what's below. Call before you dig.

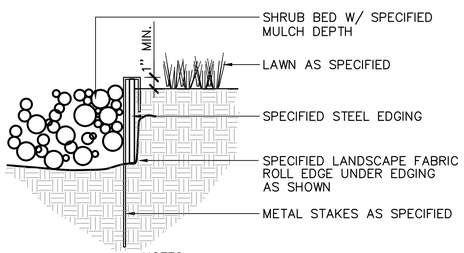
MINTURN NORTH P.U.D.
LOT 33-LANDSCAPE PLAN
TOWN OF MINTURN, COLORADO

DESIGNED: TT
DRAWN: TT
CHECKED: RH
DATE: May 17, 2024
REVISIONS:

DRB SUBMITTAL

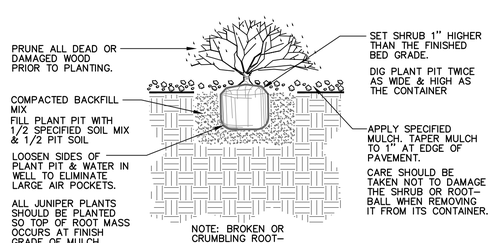
SHEET TITLE:
LANDSCAPE NOTES & DETAILS

SCALE: NOT TO SCALE
SHEET NUMBER: L2

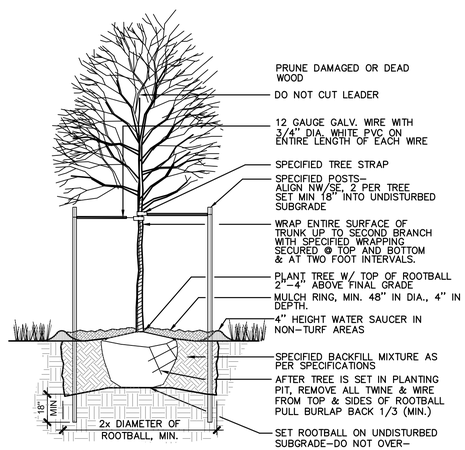


NOTES:
1) SET ALL EDGING 1" ABOVE FINISH GRADE AS SHOWN.
2) EDGING SHALL ABUT ALL CONCRETE CURBS AND WALKS PERPENDICULAR, AND FLUSH W/ GRADES OF CONCRETE.
3) ALL JOINTS TO BE SECURELY STAKED.
4) CONTRACTOR SHALL CUT TOP EDGE(S) AS NEEDED TO BE PARALLEL WITH GRADE.

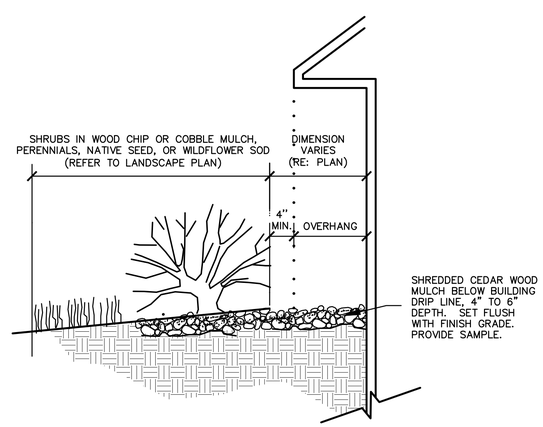
1 L2 STEEL EDGER — NOT TO SCALE



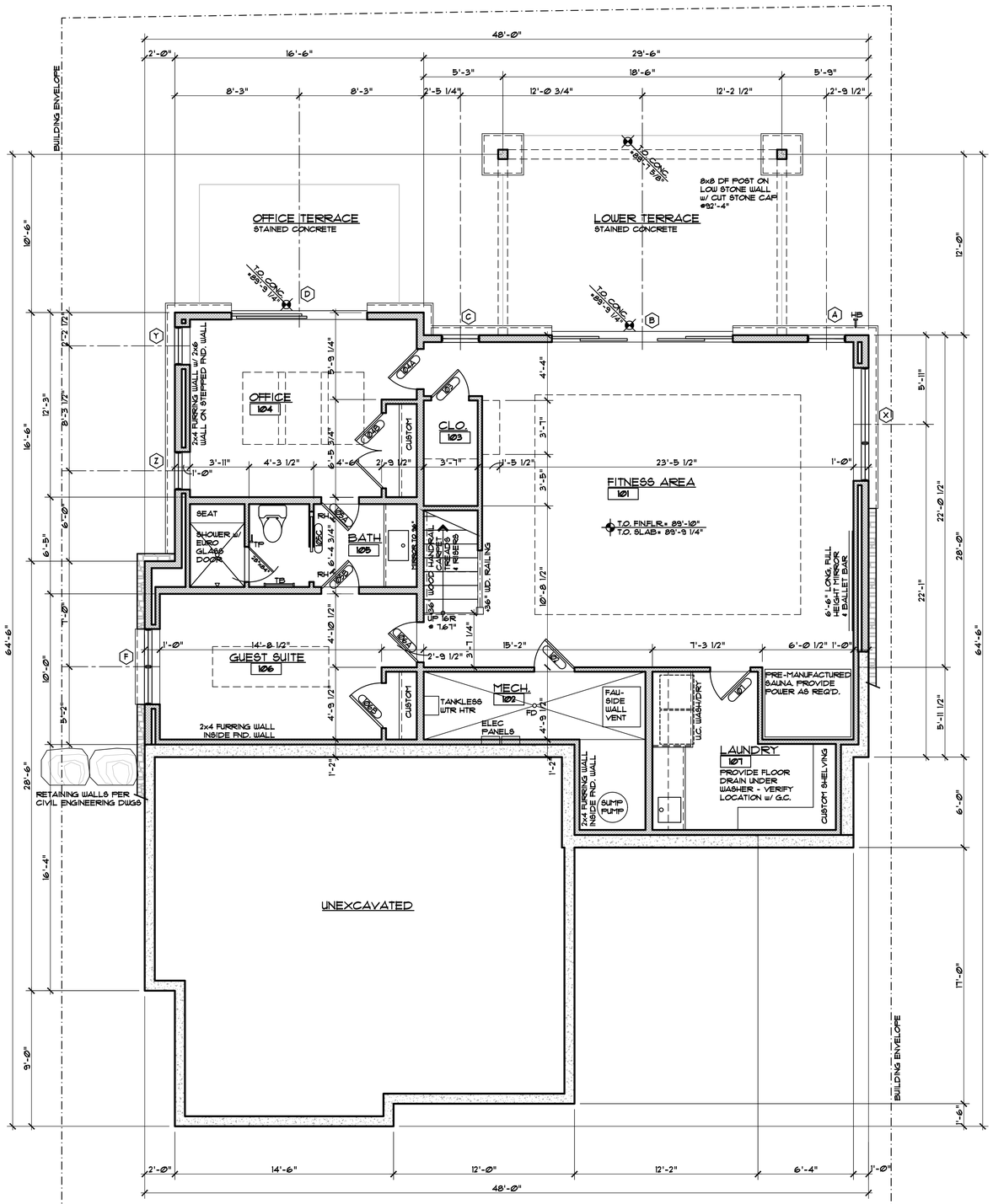
2 L2 SHRUB PLANTING — NOT TO SCALE



3 L2 DECIDUOUS TREE PLANTING — NOT TO SCALE



4 L2 MULCH ARMORED DRIP LINE — NOT TO SCALE



LOWER LEVEL PLAN

1/4" = 1'-0"

1,301 SF FINISHED + 99 SF MECHANICAL

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CONCRETE OR CENTER OF POSTS, UNLESS NOTED OTHERWISE.
2. TOP OF WALL HEIGHTS EQUAL TOP OF FLAT PLATE OR LOWER POINT ON BEVELED WALL PLATES.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY UPON FINDING ANY DISCREPANCIES IN DOCUMENTS.
4. ALL WORK SHALL COMPLY WITH STATE & LOCAL CODES AND ORDINANCES, BE BUILT TO INDUSTRY STANDARDS AND BE PERFORMED TO THE HIGHEST LEVEL OF CRAFTSMANSHIP.
5. VERIFY ALL FINISHED FLOOR THICKNESS FOR DETERMINING MOUNTING HEIGHTS, STAIR CONSTRUCTION, ETC. (3/4" SHOWN ON PLANS MAY VARY).
6. CABINET LAYOUT, APPLIANCE SPECIFICATIONS, AND ELECTRICAL/LOW VOLTAGE REQUIREMENTS & LOCATIONS NEED TO BE VERIFIED BY GENERAL CONTRACTOR PRIOR TO INSTALLATION.
7. FRAMING CONTRACTOR TO PROVIDE BLOCKING FOR ALL SURFACE MOUNTED ACCESSORIES AND SHALL COORDINATE PLACEMENT WITH ON-SITE SUPERVISOR PRIOR TO INSTALLATION.
8. VERIFY ALL VENTING, DUCTWORK, SUPPLY AND RETURN AIR LOCATIONS W/ HVAC CONTRACTOR PRIOR TO COMPLETION OF FRAMING & ELECTRICAL ROUGH-IN. GENERAL CONTRACTOR TO APPROVE ALL LOCATIONS.
9. DROPPED CEILING AND SOFFIT LOCATIONS SHALL BE APPROVED BY ON-SITE SUPERVISOR AND COORDINATED W/ M.E.P. SUB-CONTRACTORS PRIOR TO INSTALLATION.
10. REFER TO WINDOW MANUFACTURER SHOP DRAWINGS FOR EXACT ROUGH OPENINGS FOR ALL DOORS & WINDOWS. NOTIFY ARCHITECT IMMEDIATELY WITH ANY ISSUES REGARDING HEADERS AND/OR POSTING.
11. ALL INTERIOR DRYWALL IS 5/8" GYPSUM BOARD, U.N.O.

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PO BOX 798
KREMMLING, CO 80459
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CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

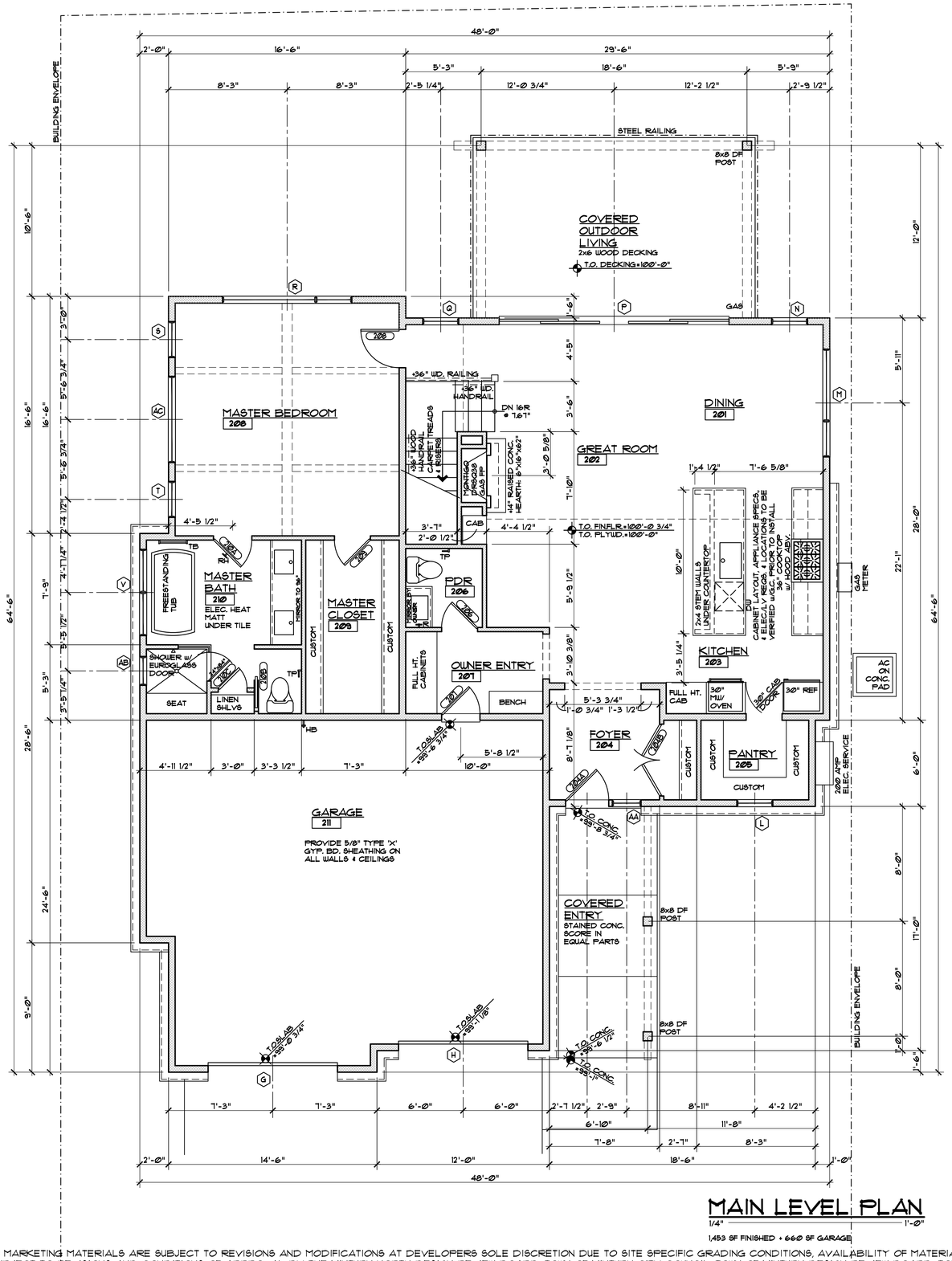
RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

KLINE
LOT 33
MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L33

ISSUED #	DATE	BY	COMMENTS
4	5-17-24		DUE DRB SUBMITTAL SET

A1.1



MAIN LEVEL PLAN

1/4" = 1'-0"

1,453 SF FINISHED + 660 SF GARAGE

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CONCRETE OR CENTER OF POSTS, UNLESS NOTED OTHERWISE.
2. TOP OF WALL HEIGHTS EQUAL TOP OF FLAT PLATE OR LOWER POINT ON BEVELED WALL PLATES.
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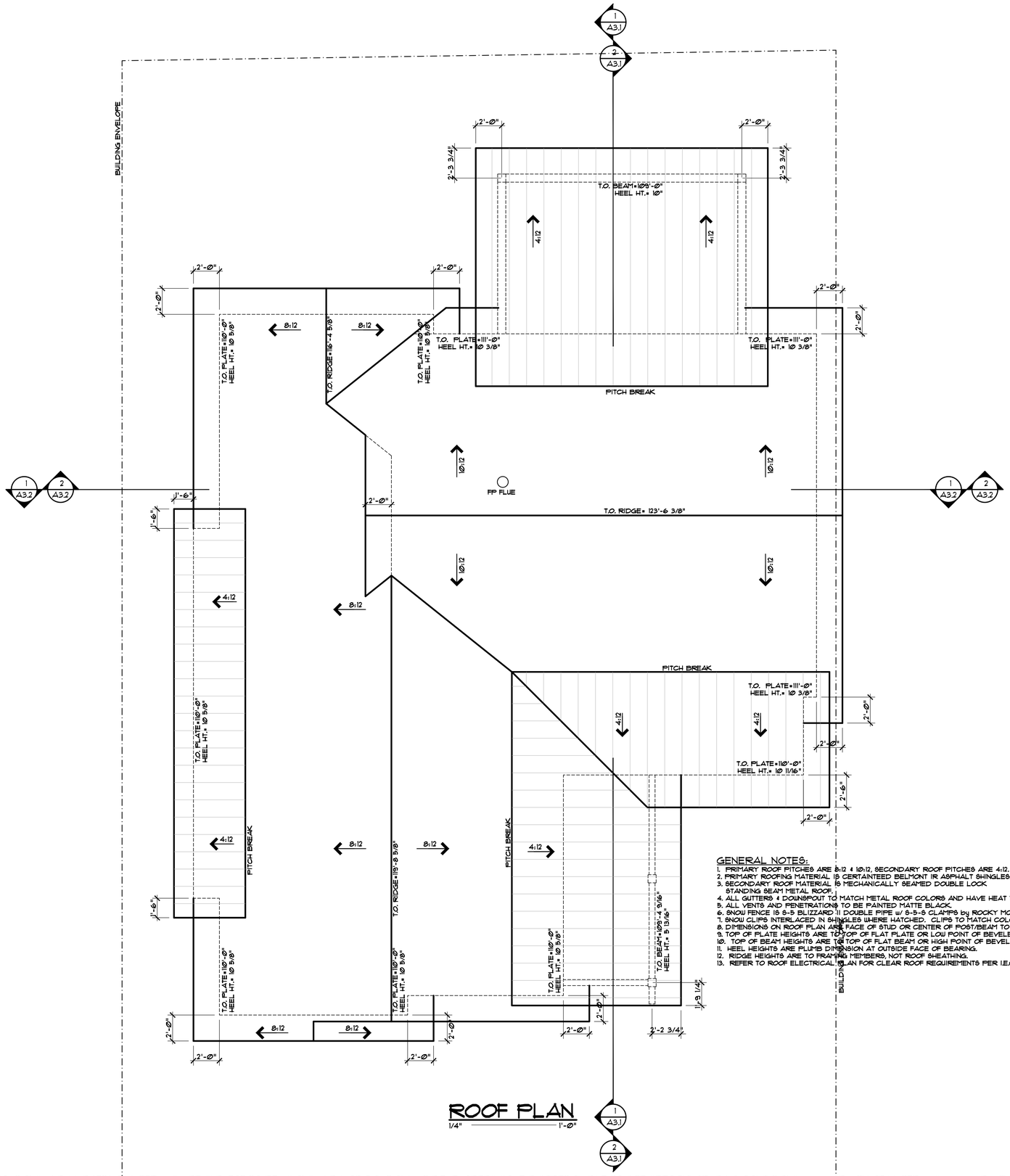
A1.2



ROOF PLAN

1/4" = 1'-Ø"

GENERAL NOTES:

1. PRIMARY ROOF PITCHES ARE 8:12 & 1Ø:12, SECONDARY ROOF PITCHES ARE 4:12.
2. PRIMARY ROOFING MATERIAL IS CERTAINTEED BELMONT IR ASPHALT SHINGLES.
3. SECONDARY ROOF MATERIAL IS MECHANICALLY SEAMED DOUBLE LOCK STANDING SEAM METAL ROOF.
4. ALL GUTTERS & DOWNSPOUT TO MATCH METAL ROOF COLORS AND HAVE HEAT TAPE TO DAYLIGHT.
5. ALL VENTS AND PENETRATIONS TO BE PAINTED MATTE BLACK.
6. SNOW FENCE IS S-5 BLIZZARD II DOUBLE PIPE w/ S-5-S CLAMPS by ROCKY MOUNTAIN SNOW GUARDS.
7. SNOW CLIPS INTERLACED IN SHINGLES WHERE HATCHED. CLIPS TO MATCH COLOR OF ROOFING.
8. DIMENSIONS ON ROOF PLAN ARE FACE OF STUD OR CENTER OF POST/BEAM TO FACE OF FINISHED FASCIA.
9. TOP OF PLATE HEIGHTS ARE TO TOP OF FLAT PLATE OR LOW POINT OF BEVELED PLATE.
1Ø. TOP OF BEAM HEIGHTS ARE TO TOP OF FLAT BEAM OR HIGH POINT OF BEVELED BEAM.
11. HEEL HEIGHTS ARE PLUMB DIMENSION AT OUTSIDE FACE OF BEARING.
12. RIDGE HEIGHTS ARE TO FRAMING MEMBERS, NOT ROOF SHEATHING.
13. REFER TO ROOF ELECTRICAL PLAN FOR CLEAR ROOF REQUIREMENTS PER I.E.C.C.

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MINTURN, COLORADO

PROJECT NO: 2412-22 L.33

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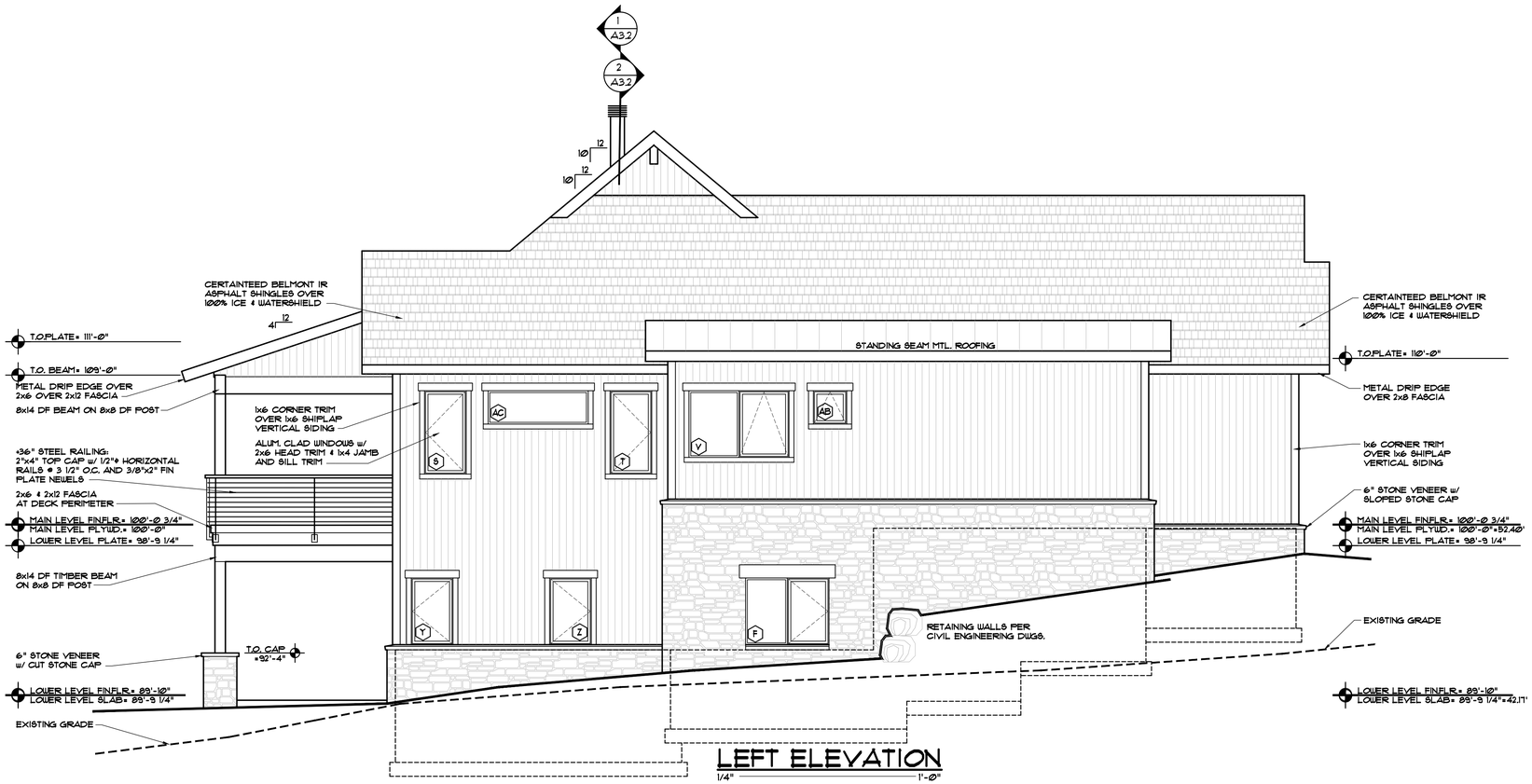
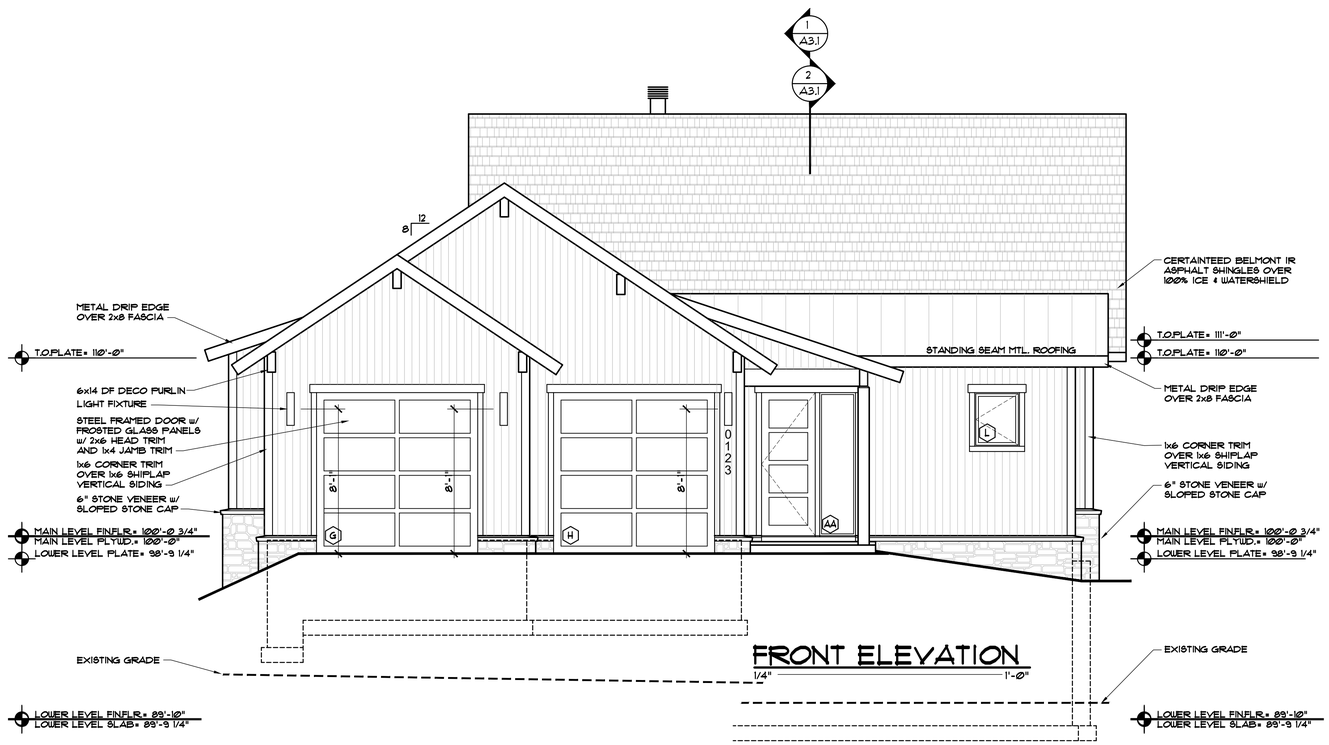
A1.3



LEFT ELEVATION

1/4" 1'-0"



FRONT ELEVATION

1/4" 1'-0"

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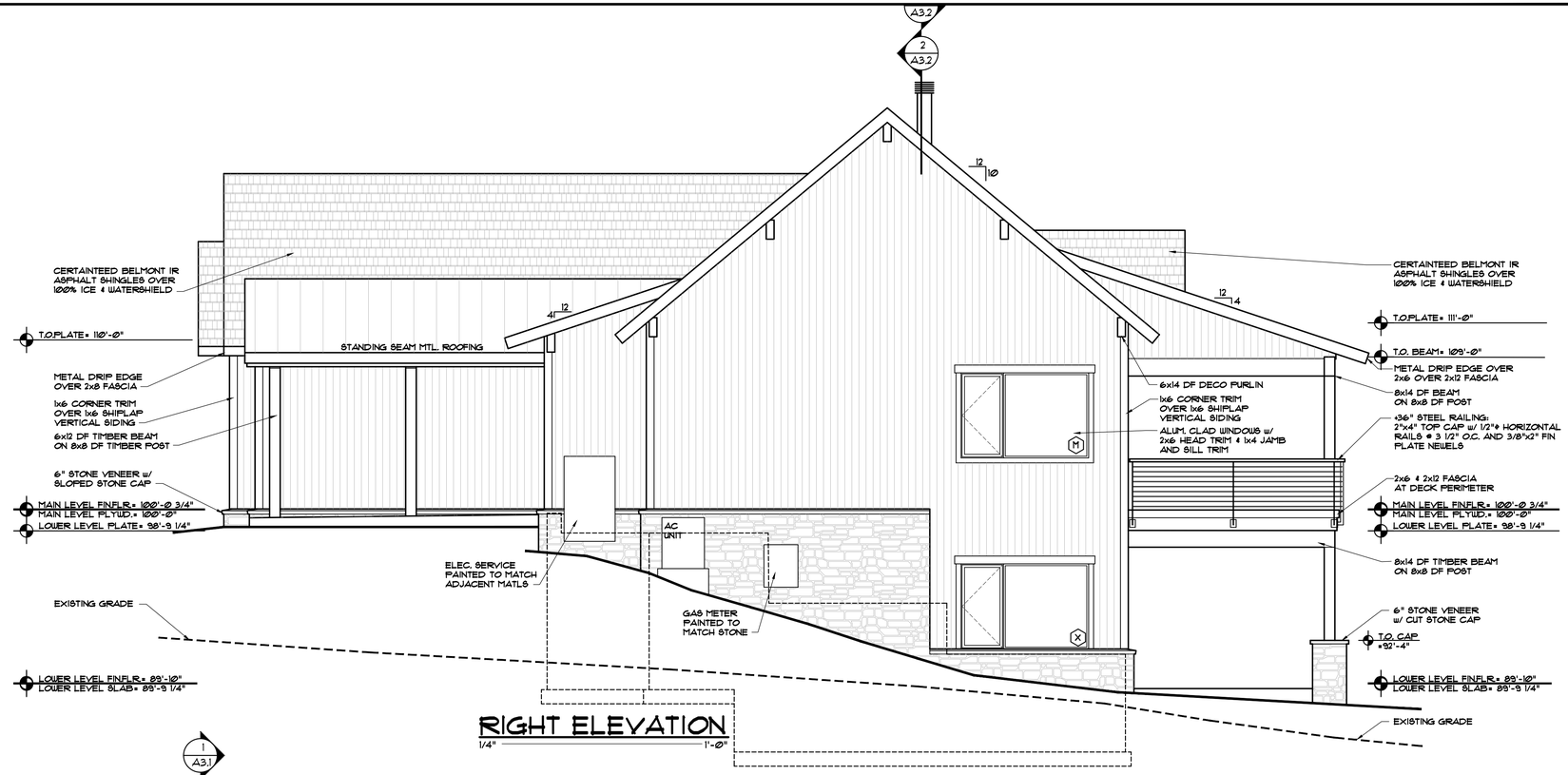

REAR ELEVATION
1/4" = 1'-0"

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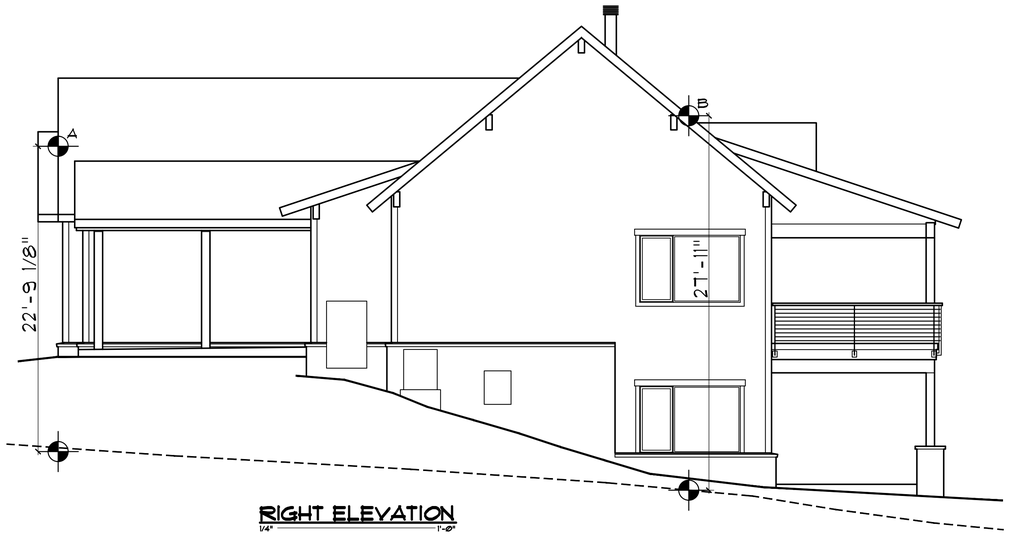
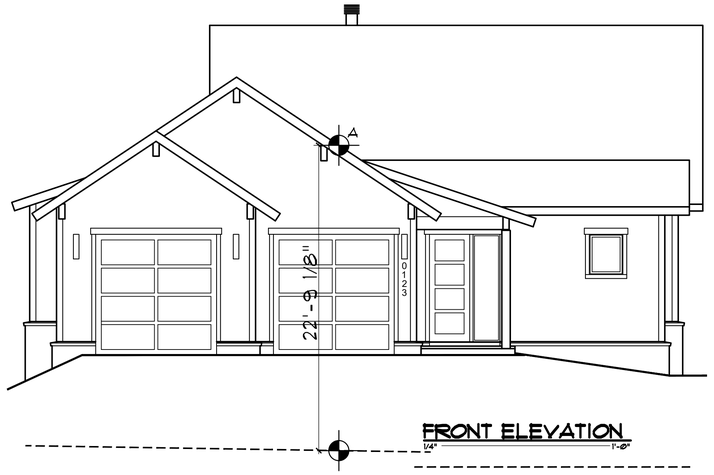
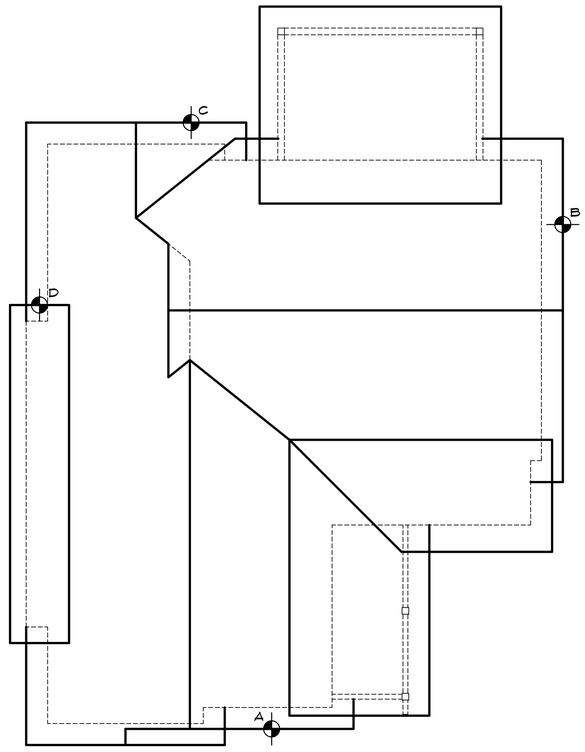


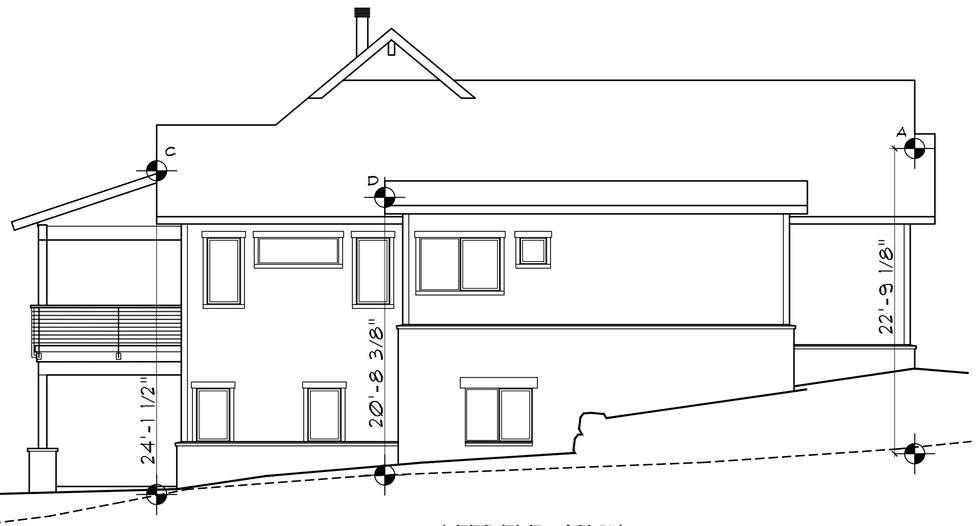
RIGHT ELEVATION
1/4" 1'-0"



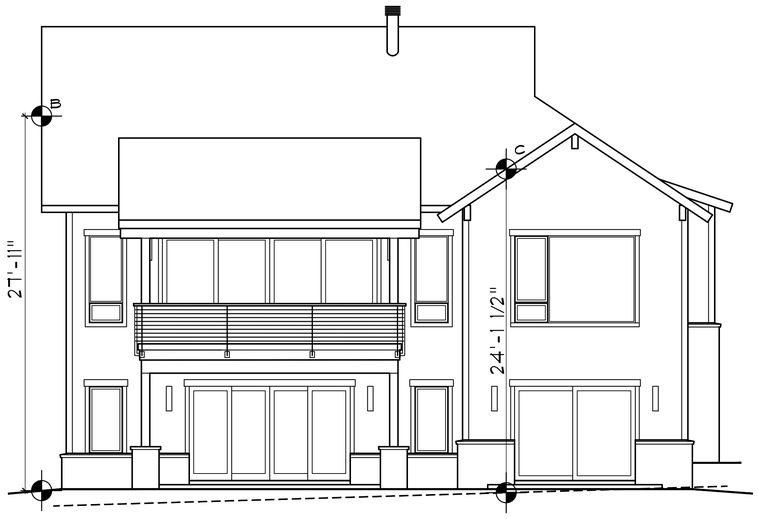
FRONT ELEVATION
1/4" 1'-0"



ROOF PLAN
1/4" 1'-0"



LEFT ELEVATION
1/4" 1'-0"



REAR ELEVATION
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BH1

Minturn Planning Department
Minturn Town Center
302 Pine Street
Minturn, Colorado 81645

Minturn Planning Commission
Chair – Lynn Teach
Jeff Armistead
Michael Boyd
Amanda Mire
Eric Rippeth
Darell Wegert

Design Review Board Hearing

Final Plan Review for New Home

0043 Miles End Lane

Hearing Date:	June 12, 2024
File Name and Process:	Single-Family Residence Final Plan Review
Owner/Applicant:	Bob & Denise Reich
Representative:	Taylor Hermes & Rick Hermes, Minturn North Construction Company
Legal Description:	Subdivision: MINTURN NORTH PUD Lot: 30
Address:	0043 Miles End Lane
Zoning:	Game Creek Character Area – Minturn North PUD Zone District
Staff Member:	Madison Harris, Planner I
Recommendation:	**Approval**

Staff Report

I. Summary of Request:

The Applicants, Bob and Denise Reich, request Final Plan review of a new, four-bedroom, 4,908 (gross) square foot single-family residence located at 0043 Miles End Lane in the Game Creek Minturn North PUD Zone District. The Applicant's representatives, Taylor Hermes and Rick Hermes of the Minturn North Construction Company, have been proactive in meeting with Town staff prior to submitting plans for a new home and have provided a relatively complete and thorough set of site, landscaping, and architectural plans.

Proposed Plans
The plans show a two-story, four-bedroom structure with a maximum building height - measured to the midpoint of the roof – of 24 feet 10 and 5/8 inches measured to proposed grade which is

the most restrictive, under the maximum allowable 28-foot limit within the Game Creek Minturn North PUD Zone District.

Additionally, the massing, forms, and scale of the proposed structure, as well as proposed exterior materials, textures and detailing also appear to achieve the design objectives of Appendix B – *Design Guidelines and Standards*, Minturn Municipal Code.

Parking is adequate, with four off-street spaces, two of which are provided within the garage and two in front of the garage. The plans show the lower level with three bedrooms, an entertainment lounge, and a flex room that can be turned into a bedroom, and the main level has the garage, primary living area, and master suite.

According to staff's analysis of development standards and dimensional limitations in Section III below the project appears to meet the Town's standards.

Overall, staff believes that the Applicants and their representative have provided a complete, detailed set of plans necessary to complete a thorough final plan review.

As a reminder, the Planning Commission has the option to review the proposal as a "conceptual" plan review if the Commission feels that the plans are *not* sufficient or are in need of revisions and additional review prior to final plan approval; or the Commission may take action to approve, approve with conditions, or deny the Final Plans.

Staff is **recommending approval**.

II. Summary of Process and Code Requirements:

These plans are being presented by the Applicant as "Final Plan" level of review for a new single-family residential structure on a legally created lot within the Town of Minturn. This is a formal hearing providing the Applicant and staff the opportunity to discuss the proposal with the Planning Commission, acting as the Design Review Board, and to address the DRB's concerns or feedback regarding suggested revisions to the project.

If the DRB feels that the plans are complete, appropriate, and meet the intent and purposes of the Minturn Municipal Code, Chapter 16, the DRB has the option to take final action to approve the plans without conditions, or to approve with specific conditions and giving the Applicant and staff clear direction on any recommended revisions, additions or updates to the plans.
No variances are required or requested at this time.

Design Review Process
Appendix 'B' of the Minturn Municipal Code, Section 16-21-615 - *Design Review Applications*, subsection "d" below outlines the criteria and findings necessary for DRB review and approval of all new, major development proposals:

(d) Administrative procedure.

(1) Upon receipt of a completed and proper application, the application for Design Review will be scheduled for a public hearing. The hearing will be conducted in accordance with the procedures set forth in this Chapter.

(2) Criteria and findings. Before acting on a Design Review application, the Planning Commission, acting as the Design Review Board (DRB), shall consider the following factors with respect to the proposal:

a. The proposal's adherence to the Town's zoning regulations.
b. The proposal's adherence to the applicable goals and objectives of the Community Plan.
c. The proposal's adherence to the Design Standards.

(3) Necessary findings. The Design Review Board shall make the following findings before approving a Design Review application:

a. That the proposal is in conformance with the Town zoning regulations.
b. That the proposal helps achieve the goals and objectives of the Community Plan.
c. That the proposal complies with the Design Standards.

Staff suggests that the final plans for 0043 Miles End Lane meet the required findings 'a,' 'b,' and 'c' or subparagraph 3 – *Necessary findings*.

III. Zoning Analysis:

Zoning
The subject property is located within the "Game Creek Character Area" Minturn North PUD Zone District Planning Area 1 (PA-1), described as follows:

> *"The primary intent of this Planning Area is to create a market rate single-family residential use zone surrounded by common area and open space."*
> *- Ordinance No. 15 – Series 2023 Minturn North PUD Guide*

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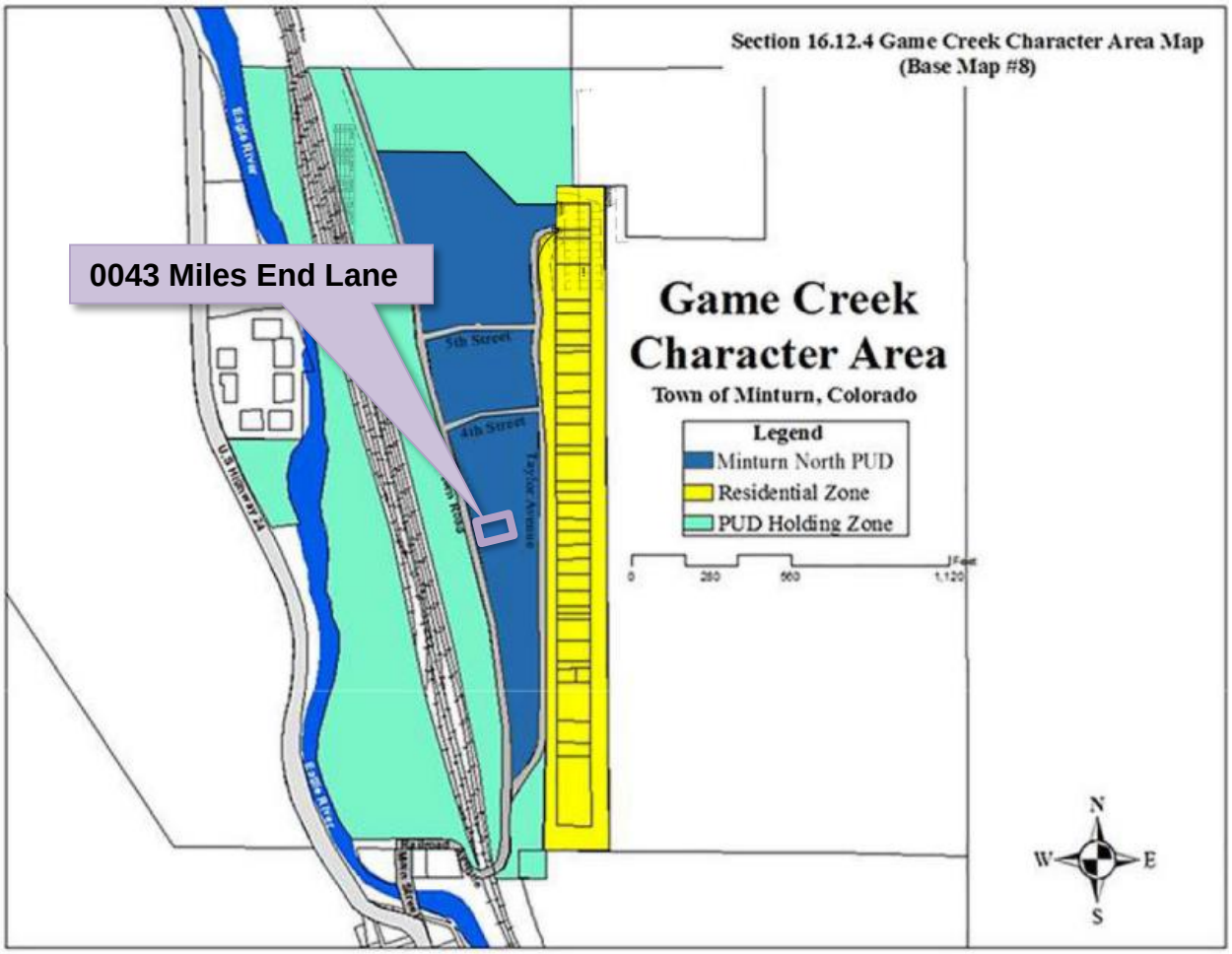
Figure 1: Game Creek Character Area Zoning Map



Dimensional Limitations and Development Standards

The following table summarizes the lot, development and dimensional standards and limitations applicable to the subject property pursuant the approved Final Development Plan for the Minturn North PUD.

Regulation	Allowed/Required	Proposed/Existing
Minimum Lot Area:	6,882.48 sq. ft.	6,882.48 sq. ft. (.158 ac.)
Maximum Building Height:	28 feet	24 feet – 10 5/8 inches
Minimum Front Setback:	20 feet	20 feet
Minimum Side Setback:	5 feet	5 feet
Minimum Rear Setback:	10 feet	10 feet

Maximum Lot Coverage:	50% (3,441.24 sq. ft.)	3,311 sq. ft. (48.11%) Proposed
Maximum Impervious Coverage:	60% (4,129.49 sq. ft.)	3,802 sq. ft. (55.24%) Proposed
Minimum Snow Storage Area:	5% of Lot Area (6,882.48 sq. ft. x .05 = 344.12 sq. ft.)	438 sq. ft.
Parking:	4 spaces	4 spaces

IV. Applicable Standards and Design Guideline Criteria:

Design
In addition to the development standards listed above, the following general design principles are provided for reference.

Final Site, Grading and Drainage Design
The Minturn Design Guidelines encourage designs that integrate or account for site topography and existing conditions, surrounding conditions, solar orientation, placement on lots relative to streets and natural features, snow storage and snow shed from roof structures.

Mass and Form
The following excerpt from the Design Guidelines is applicable to the proposed home design:

"c. Massing and Scale

> *"**A simple central form with additive features shall be designed. This style creates visual interest and is appropriate for the community due to its compatibility with existing structures. Buildings and improvements should complement, rather than overpower, the adjacent natural and built environment.** Homes are encouraged to be sheltering in nature, with consistent setbacks from the street with prominent porches or overhanging eaves.*
>
> *"Building mass, form, length and height shall be designed to provide variety and visual interest while maintaining a scale that is similar or compatible to adjacent structures."*
>
> *-Town of Minturn Design Guidelines*

Staff Response:
Staff believes that the design and scale of the proposed structure incorporates a simple central form with additive features and is complementary to adjacent residential structures and character on nearby parcels. Staff further suggests that the scale of the project is appropriate and will not

overpower surrounding natural and built environments. Proposed roof forms and pitches, materials and textures are compatible and complementary to the surrounding built and natural environments.

V. Issues and Recommended Revisions:

Issues or Required Plan Revisions
Staff has identified no issues.

VI. Staff Recommendation:

Staff suggests that the Final Plans for 0043 Miles End Lane generally **comply** with or exceed the applicable provisions and/or minimum standards of Chapter 16 and the Town of Minturn Design Standards (Appendix 'B') of the Minturn Town Code.

Staff is **recommending approval** of the plans.

Inter-Mountain ENGINEERING
Civil Engineers & Surveyors

May 24, 2024

Madison Harris
Town of Minturn Planner
PO Box 309
Minturn, CO 81645

Re: 43 Miles End Lane
Lot 30, Minturn North PUD
DRB submittal Review
Project No. 24-0001

Dear Madison:

We reviewed the plans entitled *"Reich Residence; Lot 33, Minturn North, Minturn Colorado"* prepared May 17, 2024 by Eggers Architecture Inc.(Plans) included in the DRB application for Lot 33, Minturn North PUD. Our review was for compliance with the engineering requirements of Section 16-21-615: Design Review applications of the Minturn Municipal Code (MMC).

MMC Section 16-21-615 Section C:

Section (C) (2) Boundary Survey:
Paragraphs a through e:
"Final Plat: Minturn North PUD" recorded March 4, 2024 (Reception No. 202402234) has been included as the Boundary Survey. This plat and associated title commitment were reviewed by the Town and the plat is suitable as the Boundary Survey for this application.

Paragraphs f through l:
Sheet C.4 of the *"Minturn North PUD Overall Grading and Drainage Plan; Construction Plan Set 5/1/24"* prepared by Boundaries Unlimited Inc. is included in the application. The Town issued a Grading Permit based on the Construction Plan Set and Sheet C.4 shows the grading and utilities underway at Minturn North. This plan reflects the basis for design, and fulfills the requirements of Paragraphs f through i.

Section (C) (3) Site Plan:
Sheet BH1 provides Building height information necessary for Planning Staff review.

Madison Harris
Re: 43 Miles End Lane
Lot 30, Minturn North PUD
DRB Submittal Review
Project No. 24-0001

Section (C) (4) Grading & Drainage Plan:
Sheet C1 of the Plans "*Lot 30, Minturn North PUD; Site Grading and Drainage Plan"* prepared May 17, 2024 by Boundaries Unlimited presents the proposed site grading and drainage and fulfills Grading and Drainage Plan requirements.

Review by Inter-Mountain Engineering is for general conformance with Minturn Municipal Code requirements and is not a peer review. Review by Inter-Mountain Engineering in no way relieves any responsibilities of design professionals associated with the project.
Please feel free to contact us if you have additional questions.

Respectfully,
Inter-Mountain Engineering (Town Engineer)

Jeffery M. Spanel PE

CC: Michelle Metteer, Scot Hunn, Taylor Hermes Arnold Martinez

RESORT CONCEPTS
REDEFINING THE RESORT EXPERIENCE

May 21, 2024
Town of Minturn Planning Commission
Attn: Madison Harris

RE: Reich Residence
Lot 30 Minturn North – 0043 Miles End Lane, Minturn, CO 81645
Design Review Letter of Intent

Madison:

The attached submittal includes a single-family residence within the Minturn North neighborhood. The home is subject to the Minturn North PUD Guide, Town of Minturn Code and all pertinent documents approved by the Town Council.

Lot 30 is located at 0043 Miles End Lane on a downhill sloping undisturbed vacant lot which drops in elevation approximately 5' through the building envelope. The home has been oriented facing west, parallel to the building envelope lines to maximize the site's primary view facing Meadow Mountain. The home has been designed as a patio residence due to the gently sloping topography. The architectural style is a mix of gable forms and low pitch shed roofs to create a composition of forms rather than a single massive structure. Overall, the structure has been nestled into the topography to balance the entry elevation with the west facing patio elevation of the home.

The home exterior is a balanced mix of stone and wood with appropriate architectural detailing which enhances the mountain vernacular. The landscaping Is Intentionally minimal In-keeping with the intent of the approved Minturn North PUD.

Should you have any questions or need clarifications, please don't hesitate to contact me.

Sincerely,

Taylor Hermes
512.468.3012

DESIGN REVIEW APPLICATION

TOWN OF MINTURN PLANNING AND ZONING DEPARTMENT
P.O. Box 309 302 Pine Street Minturn, Colorado 81649-0309
Phone: 970-827-5645 Fax: 970-827-5545 Email: planner1@minturn.org

Project Name:

Minturn North – Reich Residence

Project Location

Street Address: 43 Miles End Lane

Zoning:	Parcel Number(s):
Residential	2103-262-30-034

Application Request:

Design review of new single-family home

Applicant:

Name: Taylor Hermes & Rick Hermes – Minturn North Construction Company, LLC

Mailing Address: PO Box 2633 Edwards, CO 81632

Phone:	Email:
970-926-1720	THermes@ResortConceptsCO.com

Property Owner:

Name: Bob & Denise Reich

Mailing Address: 6191 S. Boston Circle Greenwood Village, CO 80111

Phone:	Email:
303-437-4534	Bob.Reich@outlook.com / DenReich@gmail.com

Required Information:

Lot Size:	Type of Residence (Single Family, ADU, Duplex)	# of Bedrooms	# On-site Parking Spaces
0.158 acres	SFH	5	4
# of Stories:	**Snow storage sq ft:**	**Building Footprint sq ft:**	**Total sq ft Impervious Surface:**
2	471 sf	3,311 sf	3,802 sf

Signature:

Fee Paid:_____ **Date Received:**_____ **Planner:**_____

DESIGN REVIEW APPLICATION

SUBMITTAL CHECKLIST REQUIREMENTS
(TO BE INCLUDED WITH APPLICATION)

Applicant	Staff	
☑	☐	**Application Fee** (Non-Refundable application fee shall be collected)
		• Design Review Board - $200.00
☑	☐	**Letter of Intent**
		-- What is the purpose of the project including;
☑	☐	• Relevant Background
☑	☐	• Current Status of the Site
☑	☐	• All Proposed Uses and Structures
☑	☐	• How the Proposal Differs from what already exists
☑	☐	• Information regarding Easements or Dedicated Tracts, etc.
☑	☐	**Vicinity Map**
		-- Directional Map indicating how to get to the Property involved in the request.
☑	☐	• Zoning of Property
☑	☐	**Site Plan showing Precise Nature of the Proposed Use –**
☑	☐	**To Scale**
☑	☐	• Scaled Drawings of Proposed Design of Structure
☑	☐	○ Plan View and Sections
☑	☐	• Building Heights – all 4 directions N/S/E/W
☑	☐	• topography
☑	☐	• Building Location and impervious coverage
☑	☐	• Setbacks
☑	☐	• Ordinary High Water Mark determined by the Town Engineer and paid for by Applicant
☑	☐	• Parking Plan
☑	☐	• Traffic Circulation
☑	☐	○ Location and Width of Existing and Proposed Access Points
☑	☐	○ Location of Existing Driveways and Intersections
☑	☐	• Landscaped Area – Plan including existing and proposed vegetation.
☑	☐	• Approximate Location of Existing Wooded Areas and Rock Outcrops
☑	☐	• Location and Type of Existing and Proposed Easements
☑	☐	• Utility Easements
☑	☐	• Drainage Features
☑	☐	• Snow Storage areas expressed in square feet as a percentage of the overall site area
☑	☐	**Preliminary Building Plans and Elevations**
☑	☐	• Indicates Dimensions
☑	☐	• General Appearance
☑	☐	• Scale
☑	☐	• Interior Plan for the Buildings

Elements needed on the Site Plan

- Scale
- North Arrow
- Date Prepared
- Lot Dimensions, Area, Entire Site Acreage

Architecture Details – Materials Board

- Windows – Placement and Color
- Doors – Placement and Color
- Siding – Type and Color
- Roof Material – Type and Color
- Paint Color

Boundary Survey with a stamp and signature of a licensed surveyor

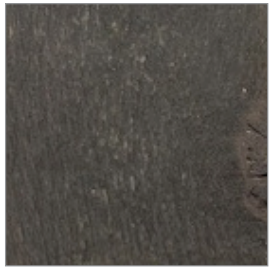
- Date of survey (survey date must be within 6 months of the project application date
- Right-of-way and property lines; including bearings, distances and curve information.
- Labeled ties to existing USGS benchmark.
- Property boundaries to the nearest one-hundredth (.01) of a foot accuracy. Distances and bearings and a basis of bearing must be shown. Show existing pins or monuments found and their relationship to the established corner.
- All existing easements recorded with the County Clerk and Recorder. Include bearings and distances.
- Spot elevations at the edge of asphalt along the street frontage of the property at five-foot intervals, and a minimum of two (2) spot elevations on either side of the lot.
- Topographic conditions at two-foot contour intervals.
- Existing trees or groups of trees having trunks with diameters of four (4) inches or more.
- Rock outcroppings and other significant natural features.
- All utility meter locations, including any pedestals on site or in the right-of-way adjacent to the site and the exact location of existing utility sources.
- Environmental hazards where applicable (i.e., rock fall, wetlands and floodplain).
- Watercourse setbacks, if applicable. Show centerline and edge of stream or creek in addition to the required stream setback from the ordinary high water mark.

Grading and Drainage Plan

- Existing contours. Existing two-foot contours must be provided for all disturbed areas. Contours for undisturbed areas must be shown when drainage in those areas impacts the disturbed area.
- Proposed contours. Proposed two-foot contours for all disturbed areas must be shown and must demonstrate positive drainage.
- Spot elevations. Show critical spot elevations, as necessary to demonstrate positive drainage and the direction of flow. Finished grade at all building corners must be provided.
- Top-of-foundation elevations. The top-of-foundation elevation must be shown on the plan and must be consistent with the foundation plan. For buildings on slopes of thirty percent (30%) or greater, elevations for stepped foundation walls must be shown.
- Drainage arrows. Include drainage arrows that show how stormwater will be routed around buildings and where stormwater will exit the property. Stormwater cannot cause damage to any adjacent property. Drainage and erosion control features needed to prevent damage must be included.
- Drainage facilities. Proposed drainage facilities, such as French drains or culverts, must be shown.
- Retaining walls. Retaining wall details are required and must include drainage details. Note top- and bottom-of-wall elevations at each location where the retaining wall steps up or down, and include the tallest point of the retaining wall.

Terraces & Walkways
Stained Concrete

Exterior Stone
Colorado Buff



Fascia, Columns & Railing
Color: Custom Stain

Vertical Siding & Sofits
1"x8" – Butt Joint, Smooth
Color: Custom Stain

Accent Vertical Siding
1"x8" – Butt Joint, Smooth
Color: Custom Stain

Wood Columns per Plan
Color: Custom Stain

Roofing
Mfg: CertainTeed Belmont Asphalt Shingles
Color: Black Granite

Roofing
Standing Seam Metal
Color: Matte Black

Windows and Doors
Mfg: Alan Bradley Cityline
Color: Matte Black

Garage Door
9'-0" x 18'-0" Insulated Metal
Color: Matte Black

Exterior Lighting
Mfg: Hinkley Mist 22" Sconce
Color: Satin Black

Entry Door
Wood & Full Glass Panel
Color: Matte Black

Entry Door Hardware
Emtek Lausanne Full Plate with Helios Interior Lever
Color: Matte Black

All product and design specifications, including, but not limited to, color, finish, model, etc., are for illustrative purposes only and are subject to change without notice.

PERSPECTIVE 1

DISCLAIMER: All plans, renderings, specifications and marketing materials are subject to revisions and modifications at Developers sole discretion due to site specific grading conditions, availability of materials, availability of labor, manufacturer supply shortages, and Governmental Agency changes. All plans and specifications are subject to revisions and conditions of approval by the Minturn North Design Review Board, Town of Minturn City Council, Town of Minturn Design Review Board, Town of Minturn Building Permit Department and all other applicable regulatory agencies. Artist renderings have been provided for illustrative and marketing purposes only and should not be relied upon as a basis for purchasing. Color, materials and design elements are subject to refinement and revision without notice at Developers sole discretion.

MINTURN NORTH - LOT 30

EGGERS ARCHITECTURE, INC

AXIS VU DESIGN

DRB DESIGN REVIEW - 3D VIEWS

MAY 17, 2024

RESORT CONCEPTS

Perspective 2

DISCLAIMER: All plans, renderings, specifications and marketing materials are subject to revisions and modifications at Developers sole discretion due to site specific grading conditions, availability of materials, availability of labor, manufacturer supply shortages, and Governmental Agency changes. All plans and specifications are subject to revisions and conditions of approval by the Minturn North Design Review Board, Town of Minturn City Council, Town of Minturn Design Review Board, Town of Minturn Building Permit Department and all other applicable regulatory agencies. Artist renderings have been provided for illustrative and marketing purposes only and should not be relied upon as a basis for purchasing. Color, materials and design elements are subject to refinement and revision without notice at Developers sole discretion.

Minturn North - Lot 30

EGGERS ARCHITECTURE, INC

AXIS VU DESIGN

DRB Design Review - 3D Views

May 17, 2024

Resort Concepts

REICH RESIDENCE

43 MILES END LANE
LOT 30, MINTURN NORTH
MINTURN, COLORADO

DRB SUBMITTAL SET — MAY 17, 2024
REVISED DRB SUBMITTAL — JUNE 14, 2024

NOTE: ALL SITE & LANDSCAPE PLANS, FLOOR PLANS, ELEVATIONS & DETAILS ARE SUBJECT TO TOWN OF MINTURN DESIGN REVEIW BOARD APPROVAL

OWNER'S REPRESENTATIVE
RESORT CONCEPTS
PO BOX 5127
EDWARDS, COLORADO 81632
(970) 926-1720

ARCHITECT
EGGERS ARCHITECTURE, INC
PO BOX 798
KREMMLING, COLORADO 80459
(970) 409-9790

STRUCTURAL ENGINEER
SUNDQUIST DESIGN GROUP
PO BOX 249
TARPON SPRINGS, FLORIDA 34688
(303) 335-6034

LANDSCAPE ARCHITECT
TOMINA TOWNSEND
PO BOX 3000
EDWARDS, COLORADO 81632
(303) 945-5252

CIVIL ENGINEER
BOUNDARIES UNLIMITED, INC.
923 COOPER AVENUE, SUITE 201
GLENWOOD SPRINGS, COLORADO 81601
(970) 945-5252

SURVEYOR
SLAGLE SURVEY SERVICES
PO BOX 751
EAGLE, COLORADO 81631
(970) 471-1499

PROJECT INFORMATION:

FLOOR AREA:	FINISHED	MECH	GARAGE	TOTAL
LOWER LEVEL:	2,090 SF	95 SF		2,185SF
MAIN LEVEL:	2,219 SF		504SF	2,723 SF
TOTALS:	4,309SF	95 SF	504SF	4,908 SF

LOT AREA:	6,882.48 SF		
BUILDING COVERAGE:	3,311 SF	48.1 %	50% ALLOWABLE
IMPERVIOUS COVERAGE:	3,802 SF	55.2 %	60% ALLOWABLE

CODE INFORMATION:

JURISDICTION: TOWN OF MINTURN, COLORADO

CODES: 2021 INTERNATIONAL RESIDENTIAL CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
+ LOCAL AMENDMENTS

DRAWING SCHEDULE

C COVER
FINAL PLAT MINTURN NORHT P.U.D.
C.4 MINTURN NORTH PUD OVERALL GRADING PLAN

C1 SITE GRADING, DRAINAGE & EROSION CONTROL PLAN
C2 CIVIL DETAILS
L1 LANDSCAPE PLANTING PLAN
L2 LANDSCAPE SCHEDULES & DETAILS

A1.1 LOWER LEVEL PLAN
A1.2 MAIN LEVEL PLAN
A1.3 ROOF PLAN
A2.1 BUILDING ELEVATIONS
A2.2 BUILDING ELEVATIONS
BH1 BUILDING HEIGHT CALCULATIONS

DISCLAIMER: ALL PLANS, RENDERINGS, SPECIFICATIONS AND MARKETING MATERIALS ARE SUBJECT TO REVISIONS AND MODIFICATIONS AT DEVELOPERS SOLE DISCRETION DUE TO SITE SPECIFIC GRADING CONDITIONS, AVAILABILITY OF MATERIALS, AVAILABILITY OF LABOR, MANUFACTURER SUPPLY SHORTAGES, AND GOVERNMENTAL AGENCY CHANGES. ALL PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS AND CONDITIONS OF APPROVAL BY THE MINTURN NORTH DESIGN REVIEW BOARD, TOWN OF MINTURN CITY COUNCIL, TOWN OF MINTURN DESIGN REVIEW BOARD, TOWN OF MINTURN BUILDING PERMIT DEPARTMENT AND ALL OTHER APPLICABLE REGULATORY AGENCIES. ARTIST RENDERINGS HAVE BEEN PROVIDED FOR ILLUSTRATIVE AND MARKETING PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS A BASIS FOR PURCHASING. COLOR, MATERIALS AND DESIGN ELEMENTS ARE SUBJECT TO REFINEMENT AND REVISION WITHOUT NOTICE AT DEVELOPERS SOLE DISCRETION.

EGGERS ARCHITECTURE, INC.
PO BOX 798 KREMMLING, CO 80459
(970) 724-3411 CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

REICH
43 MILES END LANE
LOT 30, MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L30

ISSUED #	DATE	BY	COMMENTS
2	6-14-24	DJE	REVISED DRB SUBMITTAL
1	5-17-24	DJE	DRB SUBMITTAL SET

C

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

MINTURN TOWN CERTIFICATE

This plat is approved by the town council of the Town of Minturn, County of Eagle, State of Colorado this 1 day of APRIL, 2024 for filing with the Clerk and Recorder of the County of Eagle, Colorado, and for conveyance of the dedications shown hereon; subject to the provisions that approval in no way obligates the Town of Minturn for financing or construction of improvements of said lands, streets or easements dedicated to the public, except as specifically agreed to by the Town Council of the Town of Minturn.

WITNESS MY HAND AND THE SEAL OF THE TOWN OF MINTURN
TOWN COUNCIL OF THE TOWN OF MINTURN

BY: _____ ATTEST: _____

MAYOR
TOWN OF MINTURN, COLORADO

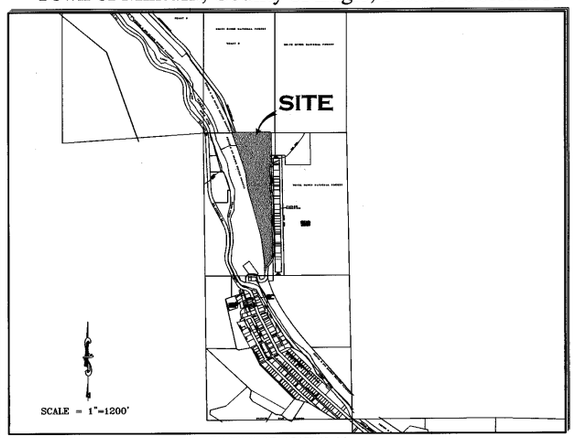
TOWN CLERK
TOWN OF MINTURN, COLORADO

SEAL
TOWN OF MINTURN COLORADO
1904

LAND USE TABLE

LOT	USE	AREA	ADDRESS
1	SINGLE FAMILY	0.196 Acres	0246 Miles End Lane
2	SINGLE FAMILY	0.189 Acres	0236 Miles End Lane
3	SINGLE FAMILY	0.193 Acres	0226 Miles End Lane
4	SINGLE FAMILY	0.181 Acres	0216 Miles End Lane
5	SINGLE FAMILY	0.191 Acres	0206 Miles End Lane
6	SINGLE FAMILY	0.166 Acres	0196 Miles End Lane
7	SINGLE FAMILY	0.158 Acres	0186 Miles End Lane
8	SINGLE FAMILY	0.166 Acres	0176 Miles End Lane
9	SINGLE FAMILY	0.164 Acres	0166 Miles End Lane
10	SINGLE FAMILY	0.164 Acres	0156 Miles End Lane
11	SINGLE FAMILY	0.164 Acres	0146 Miles End Lane
12	SINGLE FAMILY	0.172 Acres	0136 Miles End Lane
13	SINGLE FAMILY	0.157 Acres	0126 Miles End Lane
14	SINGLE FAMILY	0.176 Acres	0112 Miles End Lane
15	SINGLE FAMILY	0.209 Acres	0096 Miles End Lane
16	SINGLE FAMILY	0.263 Acres	0070 Miles End Lane
17	SINGLE FAMILY	0.189 Acres	0243 Miles End Lane
18	SINGLE FAMILY	0.200 Acres	0221 Miles End Lane
19	SINGLE FAMILY	0.165 Acres	0201 Miles End Lane
20	SINGLE FAMILY	0.164 Acres	0185 Miles End Lane
21	SINGLE FAMILY	0.164 Acres	0171 Miles End Lane
22	SINGLE FAMILY	0.166 Acres	0155 Miles End Lane
23	SINGLE FAMILY	0.174 Acres	0141 Miles End Lane
24	SINGLE FAMILY	0.185 Acres	0125 Miles End Lane
25	SINGLE FAMILY	0.166 Acres	0111 Miles End Lane
26	SINGLE FAMILY	0.202 Acres	0095 Miles End Lane
27	SINGLE FAMILY	0.199 Acres	0083 Miles End Lane
28	SINGLE FAMILY	0.160 Acres	0071 Miles End Lane
29	SINGLE FAMILY	0.159 Acres	0057 Miles End Lane
30	SINGLE FAMILY	0.158 Acres	0043 Miles End Lane
31	SINGLE FAMILY	0.178 Acres	0031 Miles End Lane
32	SINGLE FAMILY	0.177 Acres	0017 Miles End Lane
33	SINGLE FAMILY	0.176 Acres	0003 Miles End Lane
34	SINGLE FAMILY	0.103 Acres	0036 Silver Star Trail
35	SINGLE FAMILY	0.103 Acres	0030 Silver Star Trail
36	SINGLE FAMILY	0.103 Acres	0024 Silver Star Trail
37	SINGLE FAMILY	0.103 Acres	0018 Silver Star Trail
38	SINGLE FAMILY	0.099 Acres	0008 Silver Star Trail
39	SINGLE FAMILY	0.129 Acres	0001 Silver Star Trail
Tract B	OPEN SPACE	2.958 Acres	
Tract C	Town Property	0.904 Acres	0052 Minturn Road (Not of PUD)
Tract D	Right of Way	0.966 Acres	Miles End Lane (North)
Tract D1	Right of Way	0.431 Acres	Miles End Lane (South)
Tract E	Open Space	1.220 Acres	
Tract F	Open Space	0.074 Acres	
Tract G	Right of Way	0.030 Acres	Silver Star Trail
Tract H	Right of Way	0.369 Acres	Fourth Street
TOTAL		13.485 ACRES	

ADDRESSES ARE FOR INFORMATIONAL PURPOSES ONLY



PORTION OF SECTION 26,
TOWNSHIP 5 SOUTH, RANGE 81 WEST, 6th P.M.

GENERAL NOTES AND NOTES FOR CREATED EASEMENTS:
1) The purpose of this Final Plat is to Create various lots with building envelopes, open space areas and tracts, along with easements and Right of Ways, for the purposes described herein, all pursuant to Town of Minturn Land Use Regulations and Colorado Revised Statutes concerning the subdivision of land.
2) Basis of Bearing: N27°04'04" W between monuments marking the C-W 16th Corner and the Northwest Corner Section 26, Township 5 South, Range 81 West, of the 6th P.M., shown and described herein. This bearing is based on the non-recorded stamped Land Survey Plat performed by Eagle Valley Survey and dated August 7, 2018.
3) Survey Date: December, 2022 through July 2023.
4) Legal description, easements and location of boundary lines are based on Old Republic National Title Insurance Company order number no. ABC50650645-9, dated August 03, 2023, Quitclaim Deed recorded December 02, 2014 as Reception No. 201420764 along with plats and survey monumentation referenced hereon (to include the non-recorded stamped Land Survey Plat performed by Eagle Valley Survey and dated August 7, 2018). In regards to items referenced in schedule B II of this title commitmeat referenced above: Items 1-8, 10, 21, 24, 27 and 30 were not researched by surveyor or found to not contain easement restrictions or other survey or platting related issues.
Item 9 - Pipe easement does not effect this platted parcel, falls in Northeast Quarter of the Northwest Quarter of Sec 26, T5S, R81W.
Item 11&12- Ordinance and Dedication regarding Taylor Avenue. Depicted hereon by eastern Boundary, recorded in Book 248 at Page 178 and Book 248 at Page 452.
Item 13 - 20 foot Sewer Easement, Does not effect this platted Parcel.
Item 14 - Conveyance to State Department of Highways, Does not Effect these platted lands.
Item 15 - Does not effect these Platted lands but references vacation of portions of Taylor Addition to the Town of Minturn.
Item 16 - effects subject parcel as it is an Annexation of property to Town of Minturn recorded in Book 333 at Page 349.
Item 17 & 18- Do not effect subject Parcel.
Item 19 - Conveyance described in Book 687 at Page 268 does not contain any easements not already defined hereon.
Item 20 - Does not effect these Platted lands. (a.k.a. subject parcel)
Item 22 - Public Service Company of Colorado Easement, Reception No. 897924, falls off subject Parcel.
Item 23 - Boundary Agreement recorded as Reception No. 200824177, called out as adjoiner hereon.
Item 25 & 26 - Parcel is subject to Mapping of Piping and Ditches in area of this subject parcel defined in document recorded as Reception No. 201703240, and 201703454 any rights or restrictions and exact location thereof not clear to surveyor from face of documents.
Item 29 - Parcel is subject to 1904 40 foot wide easement for right of way from Denver Rio Grand Railroad to Eagle County, the location of which is not determinable from face of document. This Agreement has is to have been Terminated prior to the Recording of this Plat.
5) These platted lands are subject to:
- The Minturn North P.U.D. Guide recorded as Reception no. 202402232.
- The Declarations of Covenants, Conditions, Restrictions and Easements for Minturn North recorded as Reception No. 202402240.
- The non-exclusive Heritage Utility Easement as shown herein on page five (5) - on, over, under, above, across and through those areas designated hereon as "Heritage Utility Easement" as defined in document recorded in the Eagle County Clerk and Recorder's Office as Reception No. 202316489 .

PERTAINING TO HEREON CREATED EASEMENTS:
6) the owner, hereby reserves for themselves their successors and / or assigns the following non-exclusive easements created herein:
a) a non-exclusive utility and drainage easement as shown herein - on, over, under, above, across and through those areas designated hereon as "Utility and Drainage Easement" AND those areas of each lot outside of Building Envelopes, for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.
b) a non-exclusive Utility Easement as shown herein - on, over, under, above, across and through those areas designated hereon as "Utility Easement" for the purpose of the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress.
c) non-exclusive Access, Utility, and Drainage, Easement - on, over, under, above, across and through those areas designated hereon as "Access, Utility and Drainage Easement", and "Private Right of Way" to include, but not limited to, areas shown as Fourth Street, Tract D, Tract D1 and Tract G, for the purpose of i) Ingress and Egress, reasonable Pedestrian use including ingress and egress of persons including vehicle, foot, bicycle or small wheel use ii) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, and iii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.

GENERAL NOTES CONTINUED:
6) Continued...
d) Tract D, Tract D1, and Tract G, shall be open to Public vehicular and non- vehicular access.
e) Any Easement that permits public recreation on Private Property shall benefit from the provision of C.R.S. 33-41-101 et seq..

FOLLOWING CREATED EASEMENTS DEDICATED TO TOWN OF MINTURN:
7) the owner, hereby dedicates to the Town of Minturn the following non-exclusive easements:
a) non-exclusive Utility, Drainage, Parking, Snow Storage and Landscape Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Parking, Snow Storage & Landscape Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) the installation, use, repair, replacement, improvement and maintenance of vehicular parking area, together with right of ingress and egress thereto, reasonable Pedestrian use including ingress and egress of persons to include vehicle, foot, bicycle or non-motorized use, iv) reasonable local snow storage and v) Landscaping use, and maintenance.
b) non-exclusive Utility, Drainage, Snow Storage, Landscape and Trail Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Snow Storage, Landscape and Trail Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) reasonable local snow storage, iii) Landscaping use, and maintenance along with v) Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with sidewalk or path construction, use and repair.
c) non-exclusive Utility, Drainage, Snow Storage and Landscape Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Snow Storage & Landscape Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) reasonable local snow storage and iv) Landscaping use, and maintenance.
d) non-exclusive Trail Easement on, over, under, above, across and through those areas designated hereon as "Trail Easement" for the purpose of Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with sidewalk or path construction, use and repair.
e) a non-exclusive trail easement on, over, across, and through those strips of land depicted and designated herein as "4' Trail Easement" on sheet 5 of 5 for Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with path construction, or use. Maintenance of any path improvements within the "4' Pedestrian Easement" shall be at the sole cost and expense of the Minturn North P.O.A..
f) a non-exclusive utility and drainage easement as shown herein - on, over, under, above, across and through those areas designated hereon as " Public Utility and Drainage Easement" , as shown in Tract C, on sheet 2 of 5, for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvemeat and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.

SURVEYOR'S CERTIFICATE

I, Matthew S. Slagle, do hereby certify that I am a Professional Land Surveyor licensed to practice land surveying under the laws of the State of Colorado, That this Subdivision Plat is a true, correct and complete plat of MINTURN NORTH P.U.D., as laid out, platted, dedicated and shown hereon. that such plat was made from an accurate survey of said property by me and /or under my supervision and accurately shows the location and dimensions of the lots, easements and rights-of-way of said plat as the same are nonumented upon the ground in compliance with applicable regulation governing the subdivision of land, that such plat is based upon the professional land surveyor's knowledge, information and belief, that it has been prepared in accordance with applicable standards of practice, and that such plat is not a guaranty or warranty, either expressed or implied.

COLORADO REGISTERED 34998 PROFESSIONAL LAND SURVEYOR
02-26-24

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

Revised 02-07-24 Edited C.O.D. MSS
Revised 12-02-23 Edited Note 6a MSS
Revised 11-14-23 minor text MSS
Revised 11-07-23 Certain Dimensions MSS
Revised 11-06-23 Tract C Easements MSS
Revised 11-03-23 Town Comments MSS
Revised 10-11-23 Town Comments MSS
Revised 10-06-23 Town Comments MSS
Revised 09-26-23 Added Note regarding Tract C MSS

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVERED SUCH DEFECT. IN NO EVENT, MAY, ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF CERTIFICATION SHOWN HEREON.

CERTIFICATE OF DEDICATION AND OWNERSHIP (AND PHILIP HADLEY)

Know all men by these presents that Minturn Crossing LLC, being sole owner in fee simple, mortgagee or lienholder, of all that real property situated in the Town of Minturn, County of Eagle, State of Colorado described as follows:
Parcel 1, UPRR Subdivision according to the Final Plat thereof recorded on 13th, day of December, 2023 as Reception No. 202316483 in the Office of the Eagle County Clerk and Recorder, Eagle County, Colorado.
Containing 13.485 acres more or less; and has caused the same to be laid out, platted and subdivided, and designated as MINTURN NORTH P.U.D. subdivision in the Town of Minturn, County of Eagle, State of Colorado, and does hereby accept responsibility for the completion of the improvements required by this plat, and does hereby accept responsibility for the completion of the improvements required by this plat and does hereby dedicate and set aside the following tracts, parcels and easements as follows:
-To the Town of Minturn Tract H (Fourth Street) and the easements described and depicted hereon in General Note 7, together with associated public improvements.
-To Utility Providers such utility easements as depicted herein in which utility infrastructure is located.

OWNER: MINTURN CROSSING LLC
ADDRESS: 225 Main Street, Suite C-101
Edwards, Colorado 81632

BY: RICK HERMES
TITLE: MANAGER

STATE OF COLORADO)
)SS
COUNTY OF EAGLE)

THE FOREGOING CERTIFICATE OF DEDICATION AND OWNERSHIP WAS ACKNOWLEDGED BEFORE ME THIS 4 DAY OF MARCH, A.D, 2024 BY RICK HERMES AS MANAGER OF MINTURN CROSSING LLC.

MY COMMISSION EXPIRES: 6 AUG 27

CHRISTINE THURSTON
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20154031002
MY COMMISSION EXPIRES 08/06/2027

WITNESS MY HAND AND OFFICIAL SEAL

NOTARY PUBLIC

SUBORDINATION BY MORTGAGEE

Philip Hadley, being the holder of a promissory note secured by deed of trust recorded the 13th day of December 2023, at Reception No. 202316490, in the Office of the Clerk and Recorder of Eagle County, Colorado, hereby consents to the Subdivision of the lands set forth in this Final Plat of Minturn North, P.U.D., and subordinates the lien represented by the aforesaid Deed of Trust to the Dedications and restrictions as shown on this final plat and relative covenants, conditions and restrictions.

MORTGAGEE: Philip Hadley
BY: _____ as Individual

STATE OF Colorado)
) §
COUNTY OF Eagle)

The Foregoing Subordination by Mortgagee was acknowledged before me this 26 day of February 2024, By Philip Hadley as Individual.

WITNESS MY HAND AND OFFICIAL SEAL.

MY COMMISSION EXPIRES: Aug. 01, 2025

NOTARY PUBLIC

JESSICA L BECHARD
NOTARY PUBLIC - STATE OF COLORADO
Notary ID #20134048864
My Commission Expires 8/1/2025

CERTIFICATE OF TAXES PAID

I, the undersigned, do hereby certify that the entire amount of taxes and assessments due and payable as of JANUARY 1, 2023, 2023 upon all parcels of real estate described on this Plat are paid in full.

DATED THIS 1st OF March, A.D., 2024

R0068101

TREASURER OF EAGLE COUNTY

TITLE CERTIFICATE

LAND TITLE does hereby certify that it has examined the title to all lands shown upon this plat and that title to such is vested in MINTURN CROSSING LLC free and clear of all liens, taxes, and encumbrances, except DEED OF TRUST recorded 12/13/23, 202316490

DATED THIS 28TH DAY OF FEBRUARY, A.D., 2024

AGENT: _____

CLERK AND RECORDER'S CERTIFICATE # 5398

This Plat was filed for record in the Office of the Clerk and Recorder at 12:59 o'clock P.M., on this 4th day of March, A.D., 2024

CLERK AND RECORDER

BY: _____ DEPUTY

SLAGLE SURVEY SERVICES
800 Castle Drive - P.O. Box 751 Eagle, Colorado 81631
970.471.1499 Office matthew@slaglesurvey.com
www.SlagleSurvey.com

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

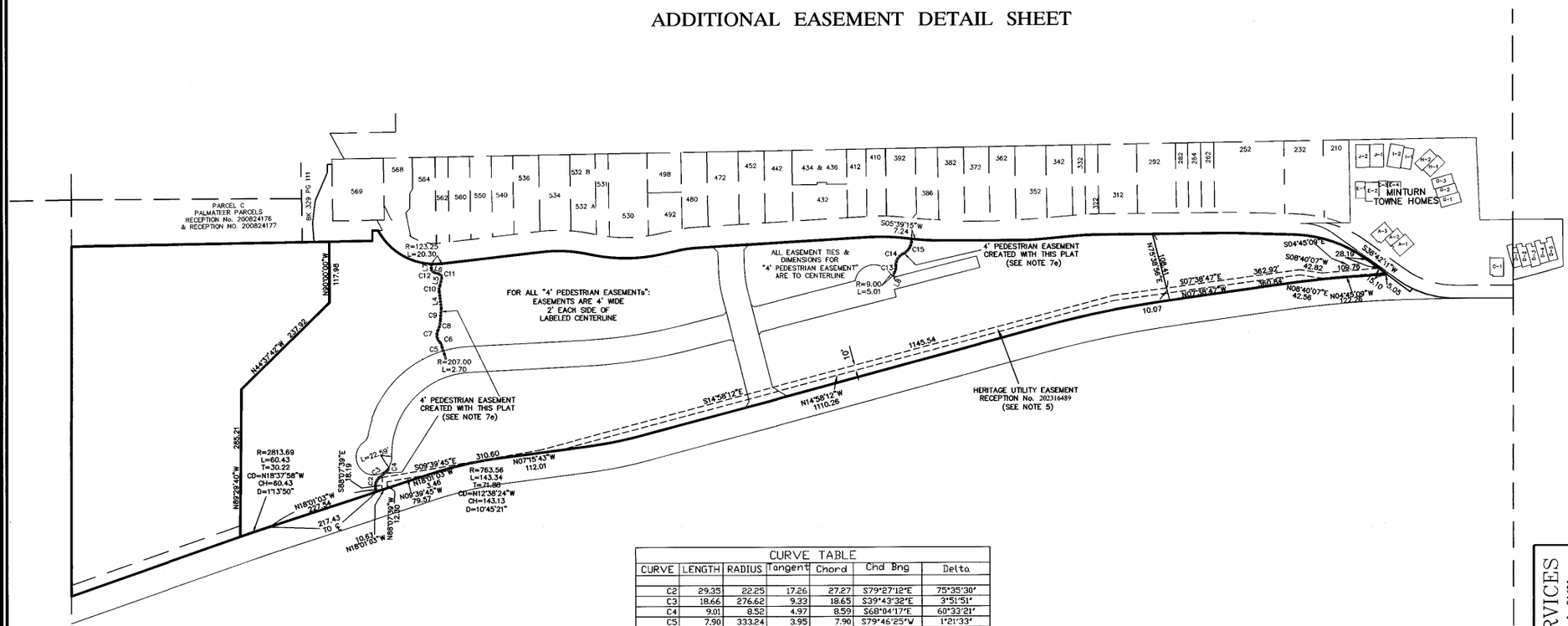
DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 1 OF 5		DATE: 08-13-2023

Eagle County, CO
Regina O'Brien
Pgs: 5
REC: $53.00 DOC: $0.00
02234
03/04/2024
12:59:18 PM

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 5 OF 5

ADDITIONAL EASEMENT DETAIL SHEET



LINE TABLE		
LINE	LENGTH	BEARING
L4	32.13	N83°15'49"E
L5	14.91	S77°04'30"E
L6	11.48	N18°26'21"E
L7	9.83	S89°36'46"E
L8	7.28	N62°43'18"W

CURVE TABLE						
CURVE	LENGTH	RADIUS	Tangent	Chord	Chd Brng	Delta
C2	29.35	22.25	17.26	27.27	S79°27'12"E	75°35'30"
C3	18.66	276.62	9.33	18.65	S39°43'32"E	3°51'51"
C4	9.01	8.52	4.97	8.59	S68°04'17"E	60°33'21"
C5	7.90	333.24	3.95	7.90	S79°46'25"W	1°21'33"
C6	11.08	18.95	5.70	10.93	N63°41'55"E	33°30'33"
C7	24.01	20.01	13.69	22.68	S81°19'10"W	68°45'04"
C8	20.65	49.15	10.48	20.50	S76°20'24"E	24°04'13"
C9	22.78	236.37	11.40	22.77	S85°36'54"E	5°31'15"
C10	12.77	20.27	6.60	12.56	S83°06'39"E	36°05'40"
C11	9.29	7.31	5.39	8.68	N57°19'55"E	72°46'53"
C12	8.09	6.45	4.68	7.57	N54°28'07"E	71°50'14"
C13	15.45	30.72	7.89	15.28	S77°07'28"E	28°48'21"
C14	27.14	23.79	15.26	25.69	S58°50'20"E	65°22'36"
C15	35.79	30.20	20.33	33.73	S60°06'18"E	67°54'31"

COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR
34998
02-26-24

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

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800 Castle Drive - P.O. Box 751 Eagle, Colorado 81631
970.471.1499 Office matthew@slaglesurvey.com
www.SlagleSurvey.com

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

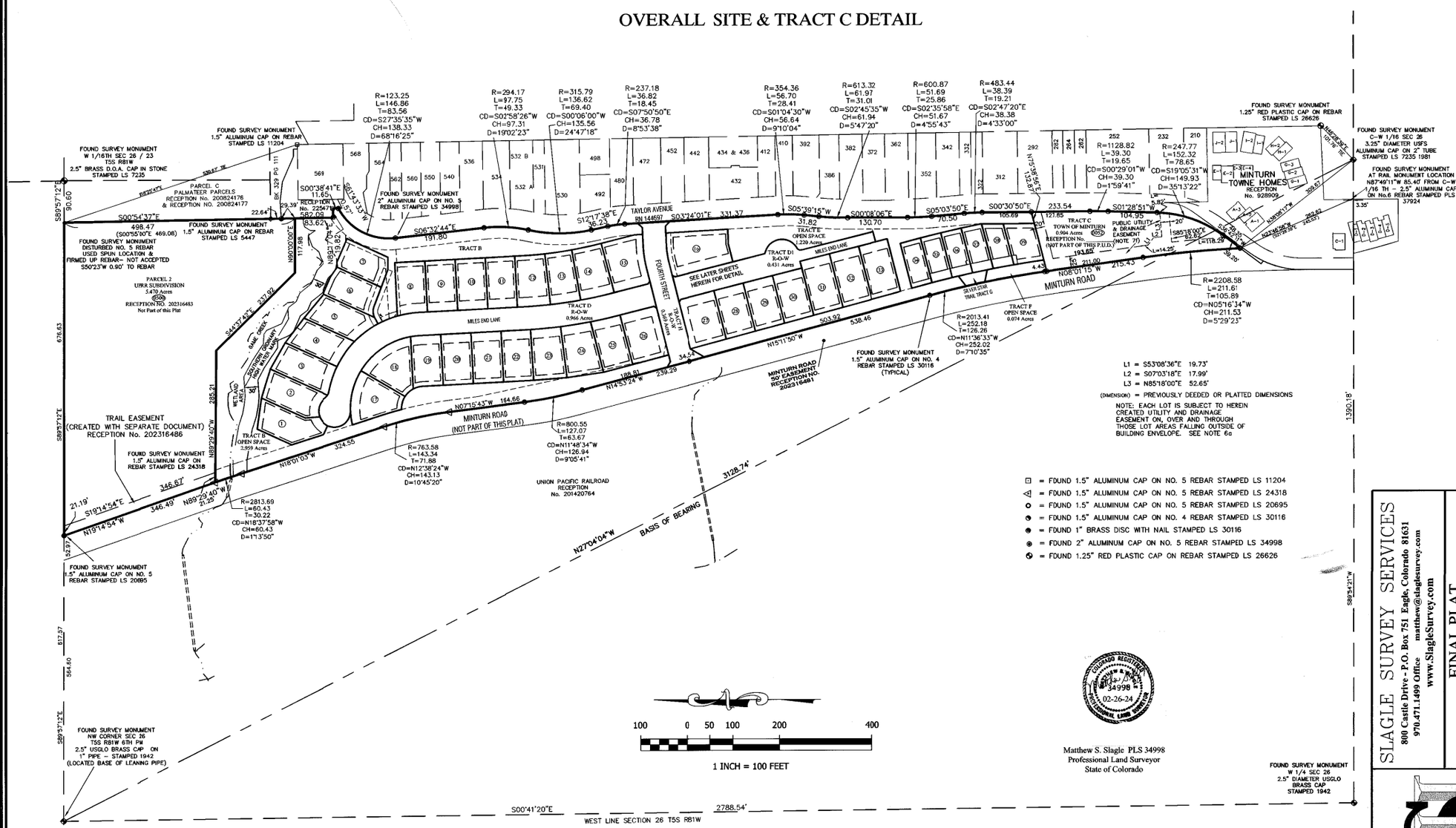
DRAWN BY: MSS | JOB NUMBER: 23055 | DRAWING NAME: 23055 FP2.dwg | DATE: 08-13-2023 | SHEET: 5 OF 5

202402234

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 2 OF 5

OVERALL SITE & TRACT C DETAIL



Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

COLORADO REGISTERED MATTHEW S. SLAGLE 34998 02-26-24 PROFESSIONAL LAND SURVEYOR

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

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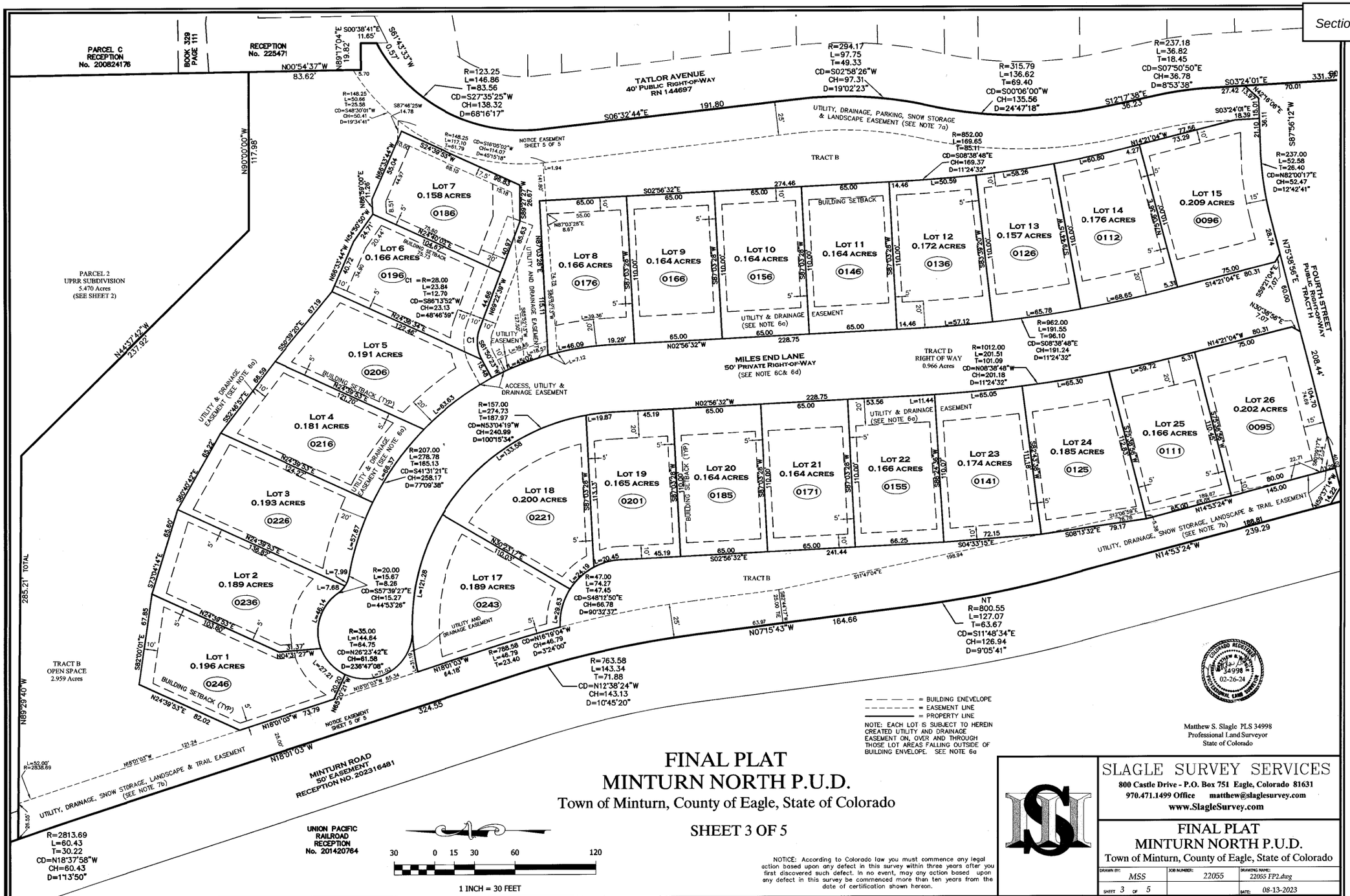
FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

DRAWN BY:	JOB NUMBER:	DRAWING NAME:	DATE:
MSS	22055	22055 FP2.dwg	08-13-2023

SHEET 2 OF 5

202402234



FINAL PLAT
MINTURN NORTH P.U.D.

Town of Minturn, County of Eagle, State of Colorado

SHEET 3 OF 5

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Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

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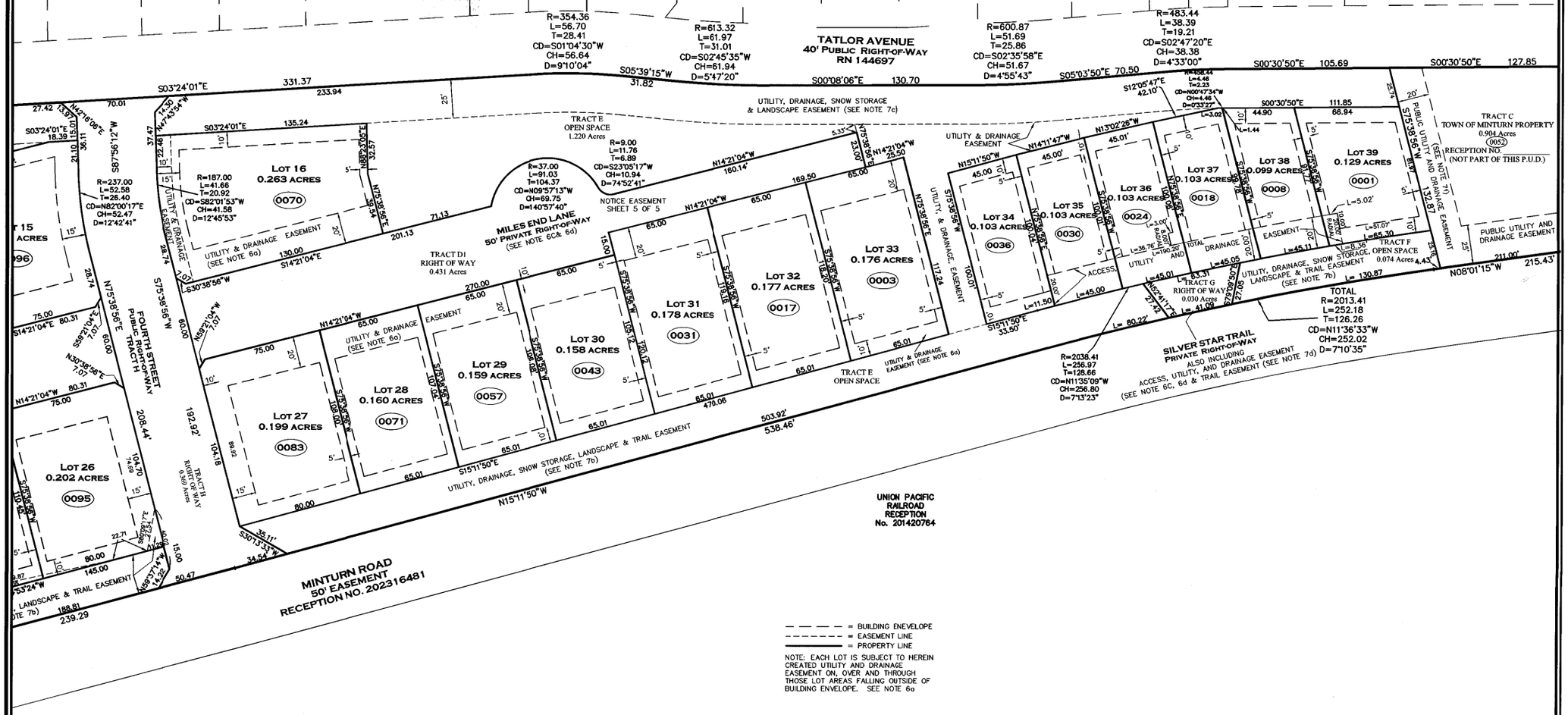
Town of Minturn, County of Eagle, State of Colorado

DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 3 OF 5		DATE: 08-13-2023

202402234

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 4 OF 5



Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

30 0 15 30 60 120

1 INCH = 30 FEET

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Town of Minturn, County of Eagle, State of Colorado

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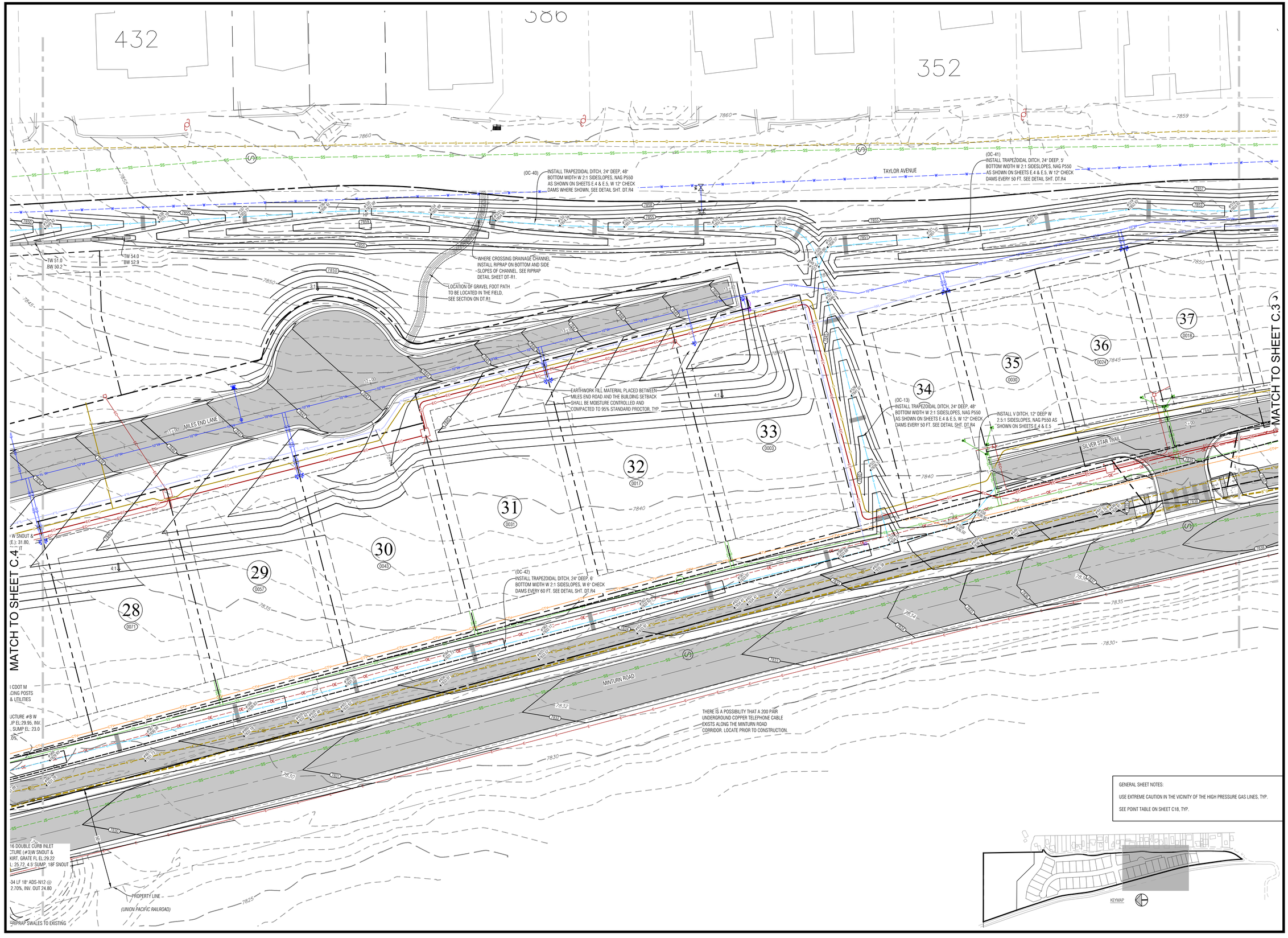
MSS	22055	22055 FP2.dwg
SHEET 4 OF 5		DATE: 08-13-2023

202402234



Boundaries Unlimited Inc.
Civil Engineering
Surveying
& Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE) Required Project: **TBD**

If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

COLORADO LICENSED
BRUCE D'LEMOS
5/1/24
19082
PROFESSIONAL ENGINEER

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 20' 40'
Scale: 1" = 20'

Know what's **below.** **Call** before you dig.

TOWN OF MINTURN, COLORADO

Minturn North P.U.D.

Overall Grading and Drainage Plan
Construction Plan Set 5/1/24

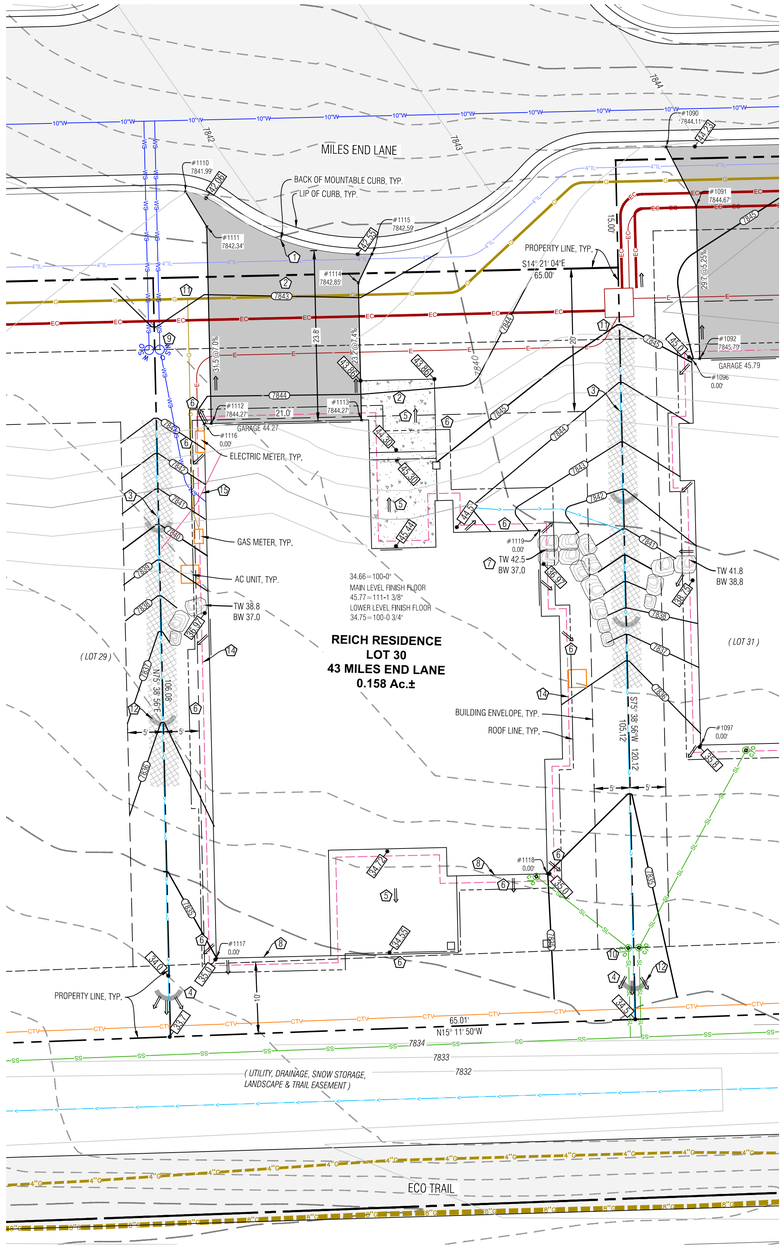
No.	Date	Revision	By
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			

PROJECT NO. **22036**
Designer: **PAH**
Drafter: **BUI**
Date: **12/25/22**

Sheet **C.4**

File Name: **22036 c-grading.dwg**

N:\PROJECTS\2022\22036 Minturn North\dwg\22036 C-Grading.dwg 5/15/2024 10:51 AM



LEGEND

TW	TOP OF WALL
BW	BOTTOM OF WALL
GB	GRADE BREAK
EX	EXISTING
LP	LOW POINT
HP	HIGH POINT
86.75	PROPOSED SPOT ELEVATION
	DRAINAGE SWALE
	FLOW ARROW
SCF	SEDIMENT CONTROL FENCE
8020 / 8018	PROPOSED MAJOR/MINOR CONTOUR
8020 / 8018	EXISTING MAJOR/MINOR CONTOUR
	EROSION LOGS
	ASPHALT DRIVEWAY & AUTOCOURT
	NORTH AMERICAN GREEN SC-250BN EROSION CONTROL FABRIC, OR RIPRAP ALTERNATIVE
	FLAGNOTE
	EX CURB STOP
PROPOSED / EXISTING E	POSSIBLE ELECTRIC SERVICE
G	POSSIBLE GAS SERVICE
WS	POSSIBLE WATER SERVICE
SL	POSSIBLE SEWER SERVICE
	FOUNDATION DRAIN
8"SD	DOWNSPOUT & STORM DRAIN WITH SIZE
	BOULDER WALL

Point Table				
Point #	Desc.	Elev.	North	East
1110	Driveway	7841.99'	3467.27	5570.89
1111	Driveway	7842.34'	3463.28	5566.82
1112	Driveway	7844.27'	3456.45	5540.15
1113	Driveway	7844.27'	3436.11	5545.35
1114	Driveway	7842.85'	3440.86	5563.95
1115	Driveway	7842.59'	3439.91	5568.30
1116	House Corner	0.00'	3457.42	5539.90
1117	House Corner	0.00'	3438.89	5467.48
1118	House Corner	0.00'	3396.51	5489.42
1119	House Corner	0.00'	3408.41	5535.92

NOTES:

1) BASIS OF ELEVATION: NAVD88 BASED ON THE ORIGINAL TOPOGRAPHIC MAP OF MINTURN NORTH PREPARED BY GORE RANGE SURVEYING, LLC., JOB NO. 19-1203, DATED 4/1/21. NO BENCHMARK WAS NOTED ON THE BASE SURVEY.

2) THE BOUNDARY DIMENSIONS, EASEMENTS AND RIGHTS OF WAY SHOWN HEREON ARE BASED ON THE FINAL PLAT OF MINTURN NORTH PUD, AND SURVEY CONTROL MONUMENTS FOUND AT THE TIME OF THE SURVEY AND SHOWN ON THE SURVEY REFERENCED ABOVE.

3) SEE ADDITIONAL SITE NOTES & DETAILS ON SHEET C2.

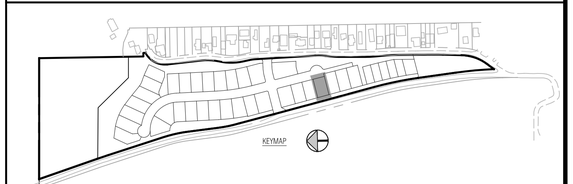
4) EXISTING CONTOUR INTERVAL IS 1 FT., PROPOSED CONTOUR INTERVAL IS 1 FT.

5) LOT AREA: 6,864 SF ±
DISTURBANCE AREA: 6,864 SF ±

6) THIS (CIVIL) PLAN SET IS INTENDED TO BE PLOTTED IN COLOR. FAILURE TO DO SO MAY RESULT IN MISSING DATA & INFORMATION CRITICAL TO THE PROJECT.

FLAGNOTES:

1. MATCH TO BACK OF EXISTING CURB.
2. PROPOSED ASPHALT DRIVEWAY, AUTO-COURT AND CONCRETE WALKWAYS. STRUCTURAL FILL UNDER THE BUILDING TO FOLLOW THE DIRECTION OF THE GEOTECH REPORT, ALL EARTHWORK CONSTRUCTION TO BE APPROVED BY THE GEOTECHNICAL ENGINEER.
3. PROVIDE DRAINAGE SWALE AS SHOWN, WITH NORTH AMERICAN GREEN SC250 EROSION FABRIC OR RIPRAP WHERE SLOPE EXCEEDS 5%, SEE DETAIL.
4. WHERE PROPOSED SWALE DAYLIGHTS WITH NATURAL GROUND, FAN OUT DRAINAGE SWALE TO EVENLY DISSIPATE DRAINAGE, TYP.
5. SLOPE PATIOS, DECKS AND WALKS AT 2% MIN. AWAY FROM THE STRUCTURE.
6. GRADE AROUND THE PERIMETER OF BUILDING AS NECESSARY 10% FOR 5-FEET MIN. (10 FT. WHERE POSSIBLE) IN UNPAVED AREAS TO ENSURE PROPER DRAINAGE AWAY FROM THE FOUNDATION. IT WILL BE IMPORTANT TO CONSTRUCT AND DIRECT SURFACE DRAINAGE AWAY FROM BUILDING, WALKS AND WALLS TO EITHER THE AUTOCOURT, THE OUTLET SWALE, OR DOWNWARD SLOPING NATURAL GRADE. VERIFY DRAINAGE AND SWALE INTEGRITY ON A REGULAR BASIS.
7. INSTALL BOULDER WALL FOR LANDSCAPE AREAS PER THE DETAIL ON SHEET C2. WALL DRAIN LINES NOT SHOWN.
8. EXTEND FOUNDATION WALL IN ORDER TO BUILD UP EXTERIOR GRADE TO ACHIEVE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE.
9. LOCATE EXISTING CURB STOP, CONFIRM LOCATION AND CONNECTION WITH THE WATER & SANITATION DISTRICT, CONNECT AND EXTEND NEW WATER SERVICE TO MECHANICAL ROOM. MAINTAIN COVER OVER NEW SERVICE PER DISTRICT REGULATIONS.
10. APPROXIMATE LOCATION OF SEWER SERVICE STUB. CONFIRM INVERT PRIOR TO CONSTRUCTION FOR ABILITY TO SERVICE HOUSE BY GRAVITY, OR WHETHER A PUMP MAY BE REQUIRED. CONNECT AND EXTEND NEW SEWER SERVICE TO MECHANICAL ROOM. MAINTAIN COVER OVER NEW SERVICE PER DISTRICT REGULATIONS, INSTALL CLEANOUTS AT HOUSE EXTERIOR AND ALL BEND LOCATIONS.
11. LOCATE, CONNECT TO, AND EXTEND GAS, ELECTRIC, AND COMMUNICATION SERVICES TO METER CABINET AND GAS METER LOCATION. MAINTAIN COVER & CLEARANCES BETWEEN/OVER NEW SERVICES PER UTILITY REGULATIONS.
12. EROSION LOGS PER DETAIL ON SHEET C2.
13. FOUNDATION DRAIN, TYP., INSTALL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. DRAIN @ 0.5% MIN. TO DAYLIGHT, SEE DETAIL ON SHT. C2.
14. EXTEND THE FOUNDATION DRAIN FROM SUMP PUMP IN HOUSE TO DAYLIGHT WITH SOLID PIPE, COVER WITH A RODENT SCREEN AT END.



Boundaries Unlimited Inc.
Civil Engineering
Surveying
& Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: ***TBD***

If "Yes", SUE Certification by:
Firm: ***TBD***
Job #: ***TBD***
Date: ***TBD***

Engineer or Surveyor Seal

NOT FOR Review CONSTRUCTION

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 10' 20'
Scale: 1" = 10'

811 Know what's below. Call before you dig.

TOWN OF MINTURN, COLORADO

Lot 30, Minturn North P.U.D.

Site, Grading and Drainage Plan

Revised DRB Submittal 6/14/24

No.	Date	Revision	By
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PROJECT NO.
23035
Designer:
PAH
Drafter:
BUI
Date:
5/10/24

Sheet
C1

File Name: ***mn lot 30 sp-01.dwg***

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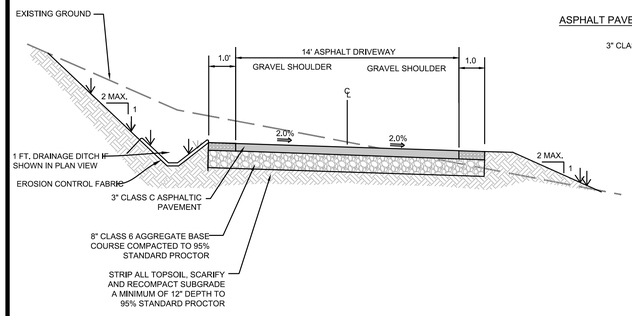
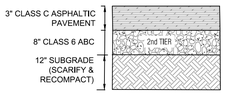


ASPHALT PAVEMENT SECTION



PAVEMENT SECTION

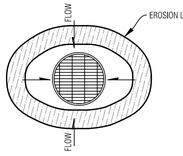
NOTE:
1. ALL AGGREGATE & SUBGRADE MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR AT A MOISTURE CONTENT WITHIN 2% OF OPTIMUM.
2. IN NEW PAVING LOCATIONS STRIP ALL TOPSOIL, SCARIFY AND RECOMPACT SUBGRADE A MINIMUM OF 12" DEPTH TO 95% STANDARD PROCTOR.
3. EXTEND THE SECOND TIER (12" CLASS 2 ROAD BASE, OR 8" CLASS 6 ROAD BASE) 1 FT. BEYOND EDGE OF PAVEMENT OR GRAVEL SURFACE, BOTH SIDES.

PROPOSED DRIVEWAY TYP. SECTION

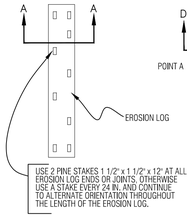
N.T.S. TO BE VERIFIED BY PROJECT GEOTECHNICAL ENGINEER

DRIVEWAY & AUTOCOURT SECTION

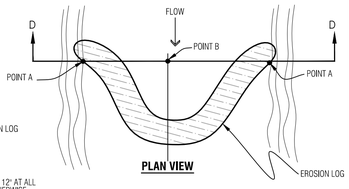
N.T.S. CONTRACTOR TO VERIFY WITH PROJECT GEOTECHNICAL CONSULTANT.



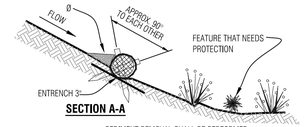
AREA DRAIN



PLAN VIEW

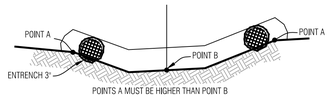


PLAN VIEW



SECTION A-A

Ø SEDIMENT REMOVAL SHALL BE PERFORMED CONTINUOUSLY FOR PROPER FUNCTION.

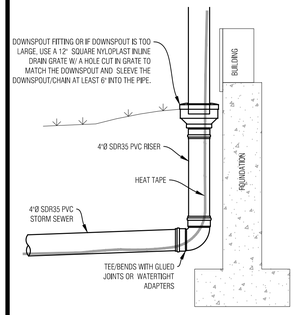


SECTION D-D

Temporary Erosion Control Log

N.T.S.

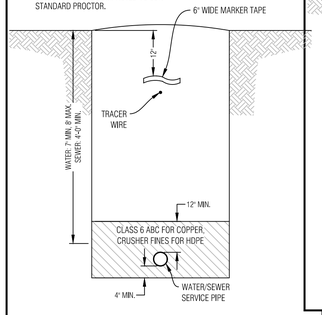
NOTES:
1. ROOF AND AREA DRAINS SHALL NOT BE CONNECTED TO THE FOUNDATION DRAIN SYSTEM.
2. ALL DOWNSPOUTS SHALL BE CONNECTED TO ADS N-12-WT CPP (WATERTIGHT), SCH.40 PVC OR SDR35 PVC. FLEXIBLE CORRUGATED PLASTIC IS NOT ACCEPTABLE.
3. ADDITIONAL FITTINGS AND BENDS MAY BE REQUIRED TO DEFLECT OVER OR AROUND LANDSCAPE WALLS.
4. HEAT TAPE SHALL BE INSTALLED IN ALL DOWNSPOUTS/STORM SEWER PIPES.



TYP. DOWNSPOUT CONNECTION

N.T.S.

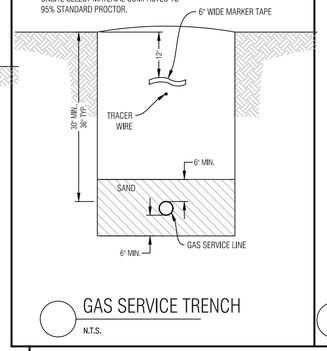
NOTES:
1. WATER SHALL BE INSTALLED WITH AT LEAST 10' OF SEPARATION BETWEEN WATER/SEWER AND 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



WATER/SEWER SERVICE TRENCH

N.T.S.

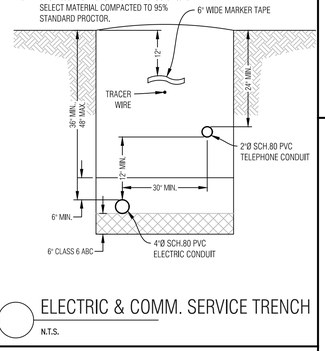
NOTES:
1. GAS SHALL BE INSTALLED WITH AT LEAST 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



GAS SERVICE TRENCH

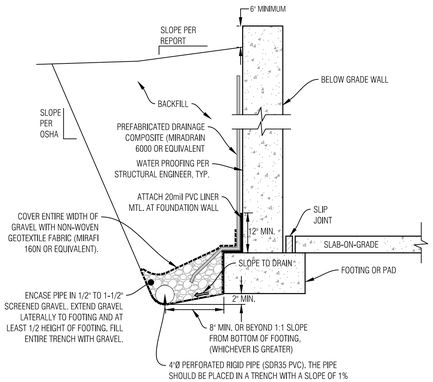
N.T.S.

NOTES:
1. ELECTRIC & TELEPHONE SHALL BE INSTALLED WITH AT LEAST 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



ELECTRIC & COMM. SERVICE TRENCH

N.T.S.



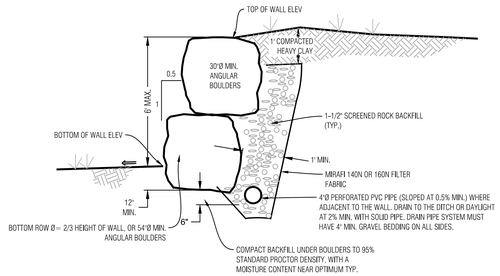
NOTES:
1. THE BOTTOM OF THE DRAIN SHOULD BE AT LEAST 2 INCHES BELOW BOTTOM OF FOOTING AT THE HIGHEST POINT AND SLOPE DOWNWARD TO A POSITIVE GRAVITY OUTLET OR TO A SUMP WHERE WATER CAN BE REMOVED BY PUMPING.
2. CONTRACTOR TO FOLLOW ANY ADDITIONAL RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER

TYPICAL FOUNDATION DRAIN

N.T.S.

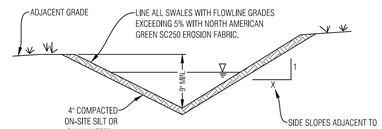
CONTRACTOR TO VERIFY WITH PROJECT GEOTECHNICAL CONSULTANT.

NOTES:
1. THIS DETAIL IS FOR RETAINING LANDSCAPED AREAS ONLY AND SHALL NOT BE USED TO RETAIN STRUCTURE OR VEHICLE LOADED AREAS.
2. FREE DRAINING WALL BACKFILL SHOULD BE CAPPED WITH AT LEAST 12 INCHES OF COMPACTED HEAVY CLAYS TO REDUCE SURFACE WATER INFILTRATION.
3. ROUND RIVER BOULDERS ARE NOT ACCEPTABLE.
4. SET BASE ROWS ON BENCHES WHERE THE TOPSOIL HAS BEEN REMOVED AND THE SUBBASE HAS BEEN SCARIFIED TO 9" MINIMUM DEPTH & RECOMPACTED TO 95% STANDARD PROCTOR.
5. CARE SHOULD BE TAKEN NOT TO OVER COMPACT THE BACKFILL OR USE LARGE EQUIPMENT NEAR THE WALL.
6. SELECT AND PLACE BOULDERS IN A MANNER WHICH PERMITS AT LEAST 30% CONTACT AREA WITH ADJACENT BOULDERS.
7. PLACE LARGER BOULDERS AT BOTTOM AND TRANSITION TO SMALLER BOULDERS AT TOP OF WALL. UNDER NO CIRCUMSTANCES SHOULD ANY BOULDER BE PLACED ON TOP OF ANOTHER BOULDER WHICH IS SMALLER THAN ITSELF.



BOULDER WALL DETAIL, LANDSCAPED AREA

N.T.S.



INSTALL EROSION CONTROL FABRIC PER MANUFACTURERS RECOMMENDATIONS

TYPICAL SWALE SECTION

N.T.S. SHAPE DITCH ACCORDING TO SITE PLAN

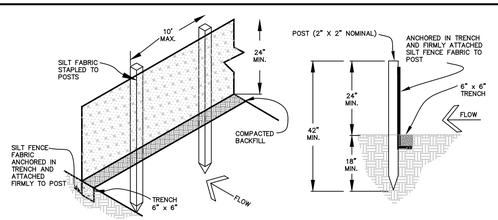
NOTE
SEE THE GRADING, DRAINAGE AND EROSION CONTROL SHEET FOR SWALE LOCATIONS

GENERAL NOTES:

1. ALL CONSTRUCTION SHALL MEET OR EXCEED THE CURRENT CONSTRUCTION AND DESIGN STANDARDS ESTABLISHED BY THE DESIGN GUIDELINES AND TOWN OF MINTURN AND BE SUBJECT TO OBSERVATION BY THE TOWN AND THE PROJECT ENGINEER. IN THE EVENT OF CONFLICT PUD GUIDELINES SUPERCEDE TOWN.
2. THIS DESIGN WAS PREPARED WITHOUT THE BENEFIT OF A SUBSURFACE UTILITY ENGINEERING (SUE) STUDY OR MAP. THIS DESIGN HAS BEEN PREPARED FOR A PRIVATE DEVELOPMENT USING EXISTING UTILITY INFORMATION PROVIDED BY OTHERS. EXISTING UTILITIES ARE SHOWN AS THEY ARE BELIEVED TO EXIST, BUT MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. BOUNDARIES UNLIMITED INC. DID NOT CONFIRM ANY DATA PROVIDED OR PERFORM ANY ADDITIONAL RESEARCH OR NOTIFICATION TO ELEVATE THESE PLANS TO SENATE BILL 18-167 STANDARDS, AS SUCH, BOUNDARIES UNLIMITED INC. MAKES NO GUARANTY, EXPRESSED OR IMPLIED, FOR THE LOCATION OF SUBSURFACE UTILITIES CONTAINED WITHIN THIS PLAN SET. IF THE CLIENT AND/OR CONTRACTOR REQUIRES A SUBSURFACE UTILITY ENGINEERING STUDY OR MAP FOR FULL COMPLIANCE WITH SENATE BILL 18-167, THEN A MORE EXHAUSTIVE INVESTIGATION SHALL BE OBTAINED BY THE CLIENT AND/OR CONTRACTOR PRIOR TO COMMENCING WITH ANY CONSTRUCTION. OTHERWISE, PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES FOR LINE LOCATIONS. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER OF ANY POTENTIAL CONFLICTS PRIOR TO UTILITY CONSTRUCTION SO THAT LINE OR GRADE CHANGES CAN BE MADE TO AVOID A CONFLICT WITH ANY EXISTING UTILITY. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION AND, AT NO EXPENSE TO THE CLIENT OR PROJECT ENGINEER, REPAIR ANY DAMAGED UTILITIES.
3. ALL EXCAVATIONS FOR UTILITY LINES, RETAINING WALLS, ROADWAYS, BUILDING STRUCTURES, DRAINAGE FACILITIES AND TRENCHES, SHALL MEET THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), COLORADO INDUSTRIAL COMMISSION, OR THE COLORADO DIVISION OF MINES, WHICH EVER APPLIES. SAFETY IS THE CONTRACTOR'S RESPONSIBILITY. NO OTHER PARTIES ARE RESPONSIBLE FOR SAFETY IN, ON OR ABOUT THE SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATING HERETO.
4. COMPACTION MUST BE ATTAINED AND COMPACTION RESULTS SUBMITTED TO THE TOWN AND THE PROJECT ENGINEER PRIOR TO ACCEPTANCE. COMPACTION SHALL MEET OR EXCEED TOWN REGULATIONS. 95% STANDARD PROCTOR DENSITY IS REQUIRED FOR ALL ROADWAY AND DRIVEWAY SUBGRADE CONSTRUCTION AND TRENCH BACKFILL UNDER THE SAME, & 90% STANDARD PROCTOR DENSITY IN LANDSCAPE AREAS, UNLESS NOTED OTHERWISE OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. SEE SOILS REPORT FOR STRUCTURAL FOUNDATION RECOMMENDATIONS.
5. THE CONTRACTOR SHALL CONTAIN HIS CONSTRUCTION ACTIVITIES TO THE AREA WITHIN THE STREET RIGHT OF WAY AND PROPERTY OWNED, OR EASEMENTS PROVIDED TO OWNER. THE CONTRACTOR SHALL NOT OPERATE OUTSIDE THIS AREA WITHOUT THE PRIOR CONSENT OF THE PROPERTY OWNER INVOLVED. ANY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE THESE LIMITS WITHOUT THE PERMISSION OF THE PRIVATE PROPERTY OWNER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL ENSURE DRAINAGE AWAY FROM ALL STRUCTURES IN ALL DIRECTIONS. DO NOT ALLOW WATER TO POND ON-SITE, PROVIDE SWALES TO DRAINAGE STRUCTURES AND RUNOUT. SHALLOW DRAINAGE SWALES HAVE A TENDENCY OVER TIME TO FILL IN & BECOME LESS EFFECTIVE. PERIODIC MAINTENANCE, AT LEAST TWICE A YEAR, IS NECESSARY TO CHECK THE INTEGRITY OF THE SWALE & MAINTAIN DRAINAGE CHARACTERISTICS. BUILDING FOUNDATION WALL HEIGHT TO BE A MINIMUM OF 6" ABOVE FINISH GROUND AT EXTERIOR WALL.
7. THE CONTRACTOR SHALL AT ALL TIMES KEEP TWO FULL SETS OF CONTRACT DRAWINGS MARKED UP TO INDICATE THE AS-BUILT CONDITIONS. THE DRAWINGS SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER UPON COMPLETION OF THE WORK. WHERE PRACTICAL, THE CONTRACTOR IS TO PROVIDE AT LEAST TWO TIES FROM PHYSICAL MONUMENTS TO ALL FITTINGS, VALVES, MANHOLES, AND THE END OF ALL SERVICE LINES.
8. ON-SITE OBSERVATIONS AND REVIEW CONDUCTED BY THE TOWN OR THE PROJECT ENGINEER OF CONSTRUCTION WORK IN PROGRESS ARE NOT TO BE CONSTRUED AS A GUARANTEE OR WARRANTY BY THE TOWN OR THE PROJECT ENGINEER OF THE COMPLETED WORK AND THE CONTRACTOR'S RESPONSIBILITIES.
9. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO SIGNIFICANTLY REDUCE ANY POTENTIAL POLLUTION CAUSED BY HIS ACTIVITIES, INCLUDING VEHICLE FUELING, STORAGE OF FERTILIZERS OR CHEMICALS, ETC. THE CONTRACTOR SHALL HAVE IDENTIFIED PROCEDURES FOR HANDLING POTENTIAL POLLUTANTS AND IDENTIFIED SPILL PREVENTION AND RESPONSE PROCEDURES PRIOR TO ANY ACTIVITIES AT THE PROJECT SITE.
10. THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. ANY MISSING DIMENSIONS OR DISCREPANCIES IN PLANS, FIELD STAKING, OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING THE ENGINEER, HE DOES SO AT HIS OWN RISK.
11. DISPOSAL OF TRASH, ASPHALT, CONCRETE AND CONSTRUCTION DEBRIS IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE CONSIDERED PART OF THE WORK.
12. HORIZONTAL & VERTICAL INFORMATION FOR EXISTING PROPERTY LINES, TOPOGRAPHY, ROADWAY, UTILITIES & DRAINAGE STRUCTURES WERE TAKEN FROM THE DESIGN DRAWINGS FOR THE MINTURN NORTH PUD, ALSO SEE LANDSCAPE, ARCHITECTURAL AND STRUCTURAL ENGINEERING PLANS FOR ADDITIONAL BUILDING AND LANDSCAPE INFORMATION.
13. IN NON HARDSCAPE AREAS, GRADE AT A MINIMUM OF 12" IN THE FIRST 5 FEET AWAY FROM THE STRUCTURE, OR AS DIRECTED BY THE GEOTECHNICAL STUDY. EXTERIOR BACKFILL SHOULD BE ADJUSTED TO NEAR OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY IN PAVEMENT AREAS AND TO AT LEAST 90% OF THE MAXIMUM STANDARD PROCTOR DENSITY IN LANDSCAPE AREAS. SEE & FOLLOW RECOMMENDATIONS OF THE GEOTECHNICAL SUBSOIL STUDY BY KUMAR & ASSOCIATES, INC. DATED _____, JOB NO. _____.
14. ALL PRODUCT INFORMATION SHOWN IS AS PROVIDED BY THE MANUFACTURER. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND COMPLYING WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS FOR THE INSTALLATION OF ALL MATERIALS WITH SPECIAL ATTENTION TO PROPER SEALING OF MATING SURFACES. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE DELIVERED PRODUCTS AND THOSE SHOWN ON THIS PLAN.
15. FOUNDATION AND RETAINING WALL DESIGNS TO BE OBTAINED FROM, OR VERIFIED BY THE PROJECT STRUCTURAL OR GEOTECHNICAL ENGINEER.
16. THE FOUNDATION DRAIN SYSTEM SHALL BE INSTALLED PER THE RECOMMENDATION OF THE STRUCTURAL AND GEOTECHNICAL ENGINEERS.
17. THE SURVEYOR RESPONSIBLE FOR STAKING THE FOUNDATION OF THE HOUSE IS RESPONSIBLE TO MAKE SURE HE HAS THE LATEST SITE, FOUNDATION & ARCHITECTURAL PLANS AVAILABLE, ALONG WITH ANY UPDATED LOTLINE, SETBACK & EASEMENT INFORMATION.
18. INSTALL ROOF GUTTERS AND DOWNSPOUTS THAT DISCHARGE WELL BEYOND THE LIMITS OF ALL BACKFILL. CONFIRM DOWNSPOUT DRAINAGE HAS GOOD POSITIVE GRADE RUNNING AWAY FROM THE HOUSE. STORM DRAIN PIPES TO BE INSTALLED WITH 1% MINIMUM SLOPE TO THE OUTFALL POINTS. HEAT TAPE SHALL BE INSTALLED IN ALL EXTERIOR ROOF GUTTERS, DRAIN PIPES, DOWNSPOUTS, AREA DRAINS, TRENCH DRAINS, STORM DRAIN PIPES AND GRATED STRUCTURES.
19. LANDSCAPING WHICH REQUIRES REGULAR HEAVY IRRIGATION SUCH AS SOD, AND LAWN SPRINKLER HEADS SHOULD BE LOCATED AT LEAST 10 FEET FROM FOUNDATION WALLS.
20. ACCUMULATED SNOWFALL SHALL BE REMOVED TO GRASS AREA TO ENSURE THAT PROPER DRAINAGE AWAY FROM THE BUILDING IS MAINTAINED.
21. FINISH GRADE & SPOT ELEVATIONS AT THE EXTERIOR OF THE STRUCTURE ASSUME THAT THE FOUNDATION WALLS EXTEND ABOVE THE BUILDING FINISH FLOOR & HANGER FLOOR JOISTS ARE USED. EXTERIOR GRADE TO BE A MINIMUM OF 6" BELOW TOP OF FOUNDATION WALL. THE FOUNDATION WALL HEIGHT MAY NEED TO BE EXTENDED IN ORDER TO ACHIEVE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE.
22. INSTALL DEEP & SHALLOW UTILITY SERVICES ACCORDING TO RESPECTIVE UTILITY COMPANY OR METRO DISTRICT SPECIFICATIONS AND REGULATIONS. HORIZONTAL LOCATIONS OF SERVICE LINES ARE SUGGESTIONS ONLY. PROPOSED UTILITY SERVICES TO THE RESIDENCE MAY BE VARIED FROM THE LOCATIONS SHOWN. ALL WATER AND SEWER SERVICES SHALL BE INSTALLED PER METRO DISTRICT REGULATIONS.
23. DRAINAGE PIPES CALLED OUT AS ADS SHALL BE ADVANCED DRAINAGE SYSTEMS N-12 WATER RESISTANT PIPE (ADS N-12-WT) OR ENGINEER APPROVED EQUAL. ALL PIPES SHALL BE INSTALLED WITH WATERTIGHT CONNECTIONS.
24. CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITTING FOR CONSTRUCTION FROM THE APPROPRIATE GOVERNMENTAL ENTITIES.
25. ALL UTILITIES, BOTH UNDERGROUND OR OVERHEAD, SHALL BE MAINTAINED IN CONTINUOUS SERVICE THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR DAMAGES TO, OR INTERRUPTION OF, SERVICES CAUSED BY THE CONSTRUCTION.

GENERAL NOTES

N.T.S.



EROSION CONTROL NOTES:

1. IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL MEASURES SHALL PRECEDE STRIPPING OF NATIVE VEGETATIVE COVER AND AS GRADING PROGRESSES.
2. ALL TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. STRAW BALE DIKES OR SILT FENCING MAY REQUIRE PERIODIC REPLACEMENT. SEDIMENT TRAPS WILL REQUIRE PERIODIC SEDIMENT REMOVAL.
3. INSTALL PERMANENT EROSION FABRIC IN THE FLOW LINES OF DRAINAGE SWALES.

SEDIMENT CONTROL FENCE DETAIL

N.T.S.

Boundaries Unlimited Inc.
Civil Engineering Surveying & Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE) Required Project: **TBD**

If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

NOT FOR Review CONSTRUCTION

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 10' 20'
Scale: 1" = 10'

811 Know what's below. Call before you dig.

TOWN OF MINTURN, COLORADO

Lot 30, Minturn North P.U.D.

Details and Notes
Revised DRB Submittal 6/14/24

No.	Date	Revision	By
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PROJECT NO. **23035**
Designer: **PAH**
Drafter: **BUI**
Date: **5/10/24**

Sheet **C2**

File Name: ***mn lot 30 sp-01.dwg***

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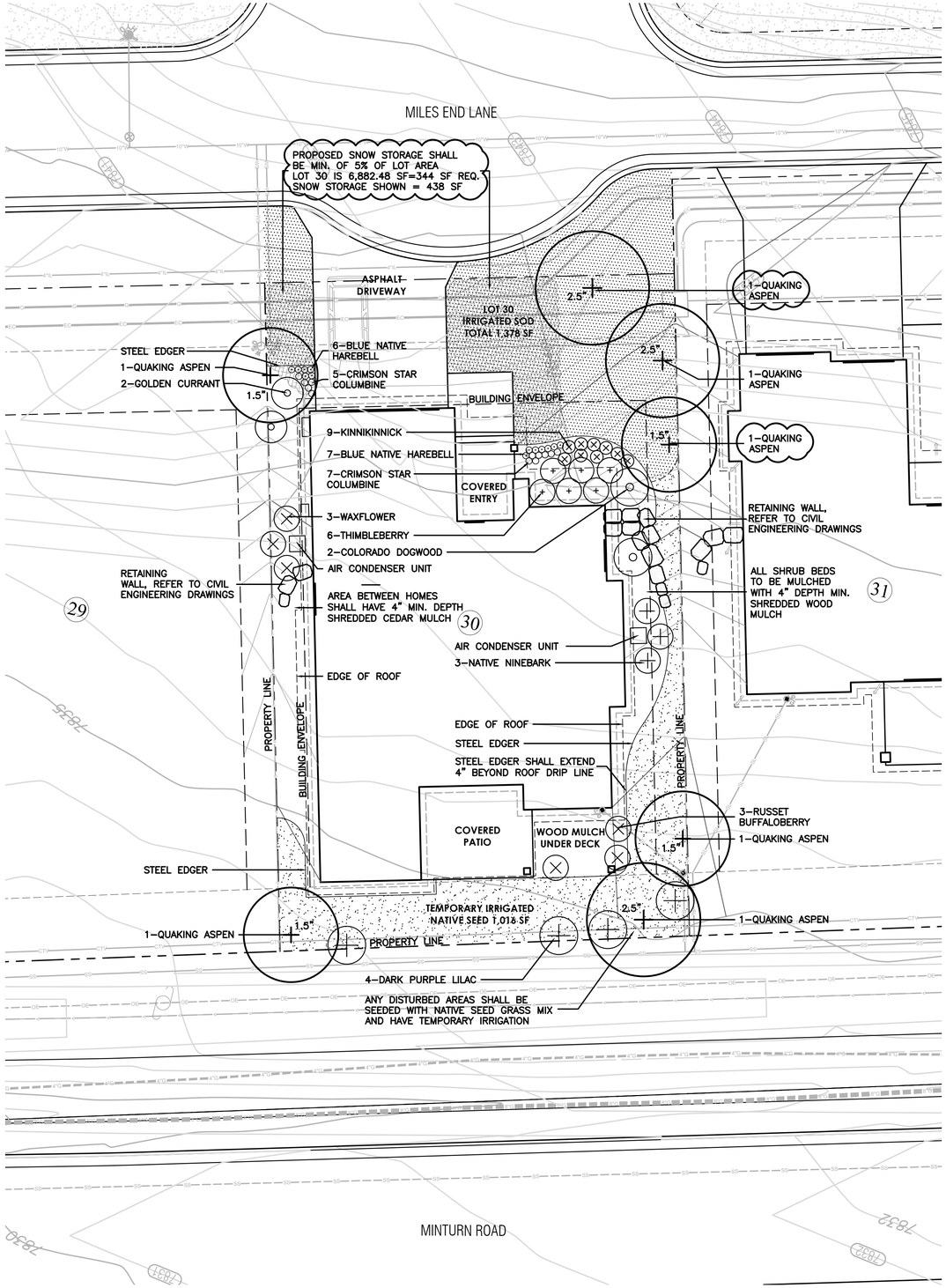

LEGEND

- IRRIGATED SOD, REFER TO L2 FOR DETAILS
- NATIVE SEED MIX WITH TEMPORARY IRRIGATION, REFER TO L2 FOR DETAILS
- PROPOSED RETAINING WALL, REFER TO CIVIL ENGINEERING FOR DETAILS
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- PROPOSED DECIDUOUS SHRUBS
- PROPOSED ORNAMENTAL GRASSES
- PROPOSED FLOWERING PERENNIALS
- SNOW STORAGE AREA

Know what's below. Call before you dig.

LANDSCAPE ARCHITECT:
TOMINA TOWNSEND, LA
PO BOX 3000, PMB 301
EDWARDS, CO 81632
P. 303.572.7876
TTownsend@ResortConceptsCO.com

MINTURN NORTH P.U.D.

LOT 30-LANDSCAPE PLAN

TOWN OF MINTURN, COLORADO

DESIGNED: TT
DRAWN: TT
CHECKED: RH
DATE: May 17, 2024
REVISIONS:

REVISION BASED ON DRB COMMENTS: 6.14.24
VERIFIED SQUARE FEET OF LOT AREA AND ADJUSTED SNOW STORAGE AND TREES TO BE OUTSIDE ROW

0 5 10 20
SCALE: 1"=10'-0"

REVISED DRB SUBMITTAL

SHEET TITLE:

PROPOSED LANDSCAPE PLAN

SCALE: 1"=10'-0"

SHEET NUMBER:

L1

General Notes and Specifications:

1. All areas disturbed by construction and not designated a shrub bed or sod, shall be planted with the specified native grass seed.
2. The contractor shall maintain positive drainage away from all walls and walkways. Fine grading shall be approved prior to planting.
3. The Landscape Plan shall be reviewed on site prior to installation to ensure planting meets the intent of the design guidelines and Town of Minturn standards.
4. See Civil Engineering sheets for final grading and drainage.
5. Snow Storage area shall be a min. of 25% of all driveway and parking areas.

Revegetation Notes:

1. Seed shall be broadcast and raked to ¼" depth.
2. Apply Biodegradable Green Dyed-Wood Celluose-Fiber Mulch to all seeded Areas at a rate of 20 lbs. per 1,000 s.f.
3. Prior to seeding, apply min. 6" topsoil, 10 lbs./1,000 s.f. Superphosphate and 40 lbs./1,000 s.f. Biosol Complete Fertilizer.

Fire Mitigation Recommendations:

1. Zone 1 (15' from building and integral planting): no highly flammable plants, such as evergreen trees and shrubs should be planted within 15' of the structure or attachments.
2. Zone 2 (70' from building and Integral planting): a 10' crown separation must be maintained for all evergreen trees and shrubs over 4' height. A 4' crown separation must be maintained for evergreen shrubs under 4' height.
3. Plants listed on forest service publication 6.305 FireWise Plant Material can be used in any zone.
4. Existing junipers within Zone 1 and Zone 2 must be limbed ⅓ of their total height, but no more than 10' height.
5. Dead limbs shall be removed from all existing Serviceberry within Zone 1 or Zone 2.
6. If necessary, final existing vegetation to be limbed or removed for fire mitigation purposes will be subject to the constraints of the final unit site plans and reviewed on site with a representative from the Town of Minturn on a unit by unit basis prior to construction.

LEGEND & IRRIGATION CALCULATIONS:

Permanent Irrigation		Square Footage of Irrigation
	Permanent Pop–Up Spray Irrigation For Bluegrass Sod	1,378 SF
	Permanent micro–spray or drip irrigation for perennial beds	25 PERENNIALS x 1 SF = 25 SF
	Permanent Drip Irrigation For B&B Trees	7 TREES x 4.5 SF = 32 SF
	Permanent Drip Irrigation For 5 gal. Shrubs & Grasses	32 SHRUBS x 3 SF = 96 SF
		TOTAL PERMANENT IRRIGATED AREA: 1,531 SF
	Temporary Spray Irrigation For Native Seed	1,016 SF

IRRIGATION NOTES:

1. DESIGN CRITERIA: DESIGN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO UNIFORMLY IRRIGATE ALL PLANTING AREAS. ZONE IRRIGATED SOD, NATIVE SEED GRASS, AND SHRUB PLANTING AREAS SEPARATELY. PROVIDE DRIP IRRIGATION FOR SHRUB BEDS. PROVIDE MICRO–SPRAY HEADS OR DRIP IRRIGATION, DEPENDING ON PLANT MATERIAL, IN PERENNIAL AND GROUNDCOVER BEDS. DESIGN ROTORS FOR TURF GRASS AREAS MORE THAN 40' WIDE, AND POP–UP SPRAY HEADS FOR AREAS LESS THAN 40' WIDE.
2. ALL TREES AND SHRUBS TO BE DRIP IRRIGATED.

ALL DISTURBED AREAS SHALL BE SEEDED WITH: 'DRY NATIVE MOUNTAIN' SEED MIX

THIS SEED MIX HAS BEEN CHOSEN FOR THE SPECIFIC PROJECT LOCATION AND ELEVATION. LANDSCAPE INSTALLER SHALL NOT DEVIATE FROM THIS REVEGETATION SEED MIX WITHOUT WRITTEN APPROVAL FROM THE RESORT CONCEPTS SITE MANAGER.

COMMON NAME	SEEDING RATE % MIX	BULK LBS PER ACRE
SANDBERG BLUE	10%	5.00
MOUNTAIN BROME	20%	10.00
SLENDER WHEATGRASS	15%	7.50
BLUEBUNCH WHEATGRASS	10%	5.00
ROCKY MOUNTAIN FESCUE	10%	5.00
THICKSPIKE WHEATGRASS	15%	7.50
BOTTLEBRUSH SQUIRRELTAIL	2.5%	1.25
STREAMBANK WHEATGRASS	15%	7.50
PRAIRIE JUNEGRASS	2.5%	1.25
TOTAL LBS./ACRE	100%	50

NOTES:

PERCENTAGES OF MIXES VARY YEAR–TO–YEAR DEPENDING ON HARVEST OF SEEDS. HYDROSEED OR HAND BROADCAST: 1 LB. PER 1,000 SQ. FT. OR 50 LBS. PER ACRE. RAKE IN ¼" DEEP AND IRRIGATE, IF POSSIBLE UNTIL ESTABLISHED. 'DRY NATIVE MOUNTAIN' SEED MIX IS AVAILABLE FROM PAWNEE BUTTES SEED INC., 605 25TH STREET, GREELEY, CO 80632.
PHONE: 1–800–782–5947
WEBSITE: PAWNEEBUTTESSEED.COM

PROPOSED PLANT MATERIALS LIST

Note: All plant material has been chosen from the CSU Extension Office recommended plant lists. These lists have been cross referenced to find suitable plants for the elevation of Minturn (10,000 ft and above), and also to maximize use of plants native to the area, low-water use plants, and plants that enhance habitat and food sources for insects, butterflies, birds and other animals. The cross referenced lists are the following:

- CSU Extension, Fire Wise Plant Materials - 6.305
- CSU Extension, Trees and Shrubs for Mountain Areas - Fact Sheet No. 7.423
- CSU Extension, Low-Water Native Plants for Colorado Gardens, Mountains 7,500' and Above - CO Native Plant Society
- CSU Extension, Native Trees for Colorado Landscapes - Fact Sheet No. 7.421
- CSU Extension, Native Shrubs for Colorado Landscapes - Fact Sheet No. 7.422

QUAN.	COMMON/ BOTANICAL NAME	FIRE MITIGATION ZONE	SIZE	COMMENTS
	DECIDUOUS TREES			
4	Quaking Aspen Populus tremuloides	1 & 2	1.5" cal.	Specimen quality B&B, guyed
3	Quaking Aspen Populus tremuloides	1 & 2	2.5" cal.	Specimen quality B&B, guyed
	PERENNIAL FLOWERS (planted @ 12" O.C. spacing)			
13	Blue Native Harebell Campanula rotundifolia	1 & 2	Flats of 15 or 32	
12	Crimson Star Columbine Aquilegia 'Crimson Star'	1 & 2	Flats of 15	
	DECIDUOUS SHRUBS			
2	Colorado Dogwood Cornus sericea coloradense	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
4	Dark Purple Lilac Syringa vulgaris 'Yankee Doodle'	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
2	Golden Currant Ribes aureum	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
9	Kinnikinnick Arctostaphylos (varieties)	1 & 2	5 gal.	Container, 5 canes minimum 3"–6" ht.
3	Native Ninebark Physocarpus monogynus	1 & 2	5 gal.	Container, 5 canes minimum 12"–18" ht.
3	Russet Buffaloberry Shepherdia canadensis	1 & 2	5 gal.	Container, 5 canes minimum 18"–24" ht.
6	Thimbleberry Rubus parviflorus	1 & 2	5 gal.	Container, 5 canes minimum 18"–24" ht.
3	Waxflower Jamesia americana	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.

LANDSCAPE ARCHITECT:
TOMINA TOWNSEND, LA
PO BOX 3000, PMB 301
EDWARDS, CO 81632
P. 303.572.7876
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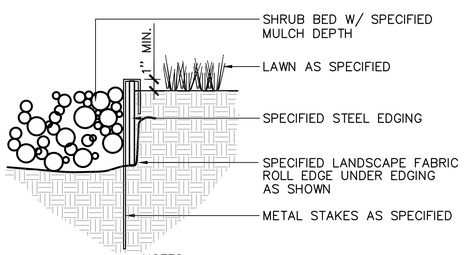
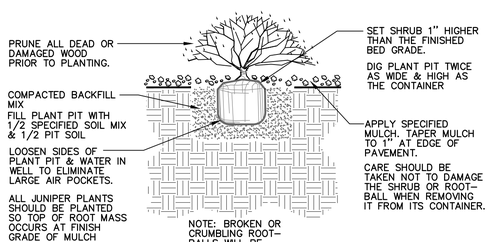
SHEET TITLE:
LANDSCAPE NOTES & DETAILS

SCALE: NOT TO SCALE
SHEET NUMBER: L2

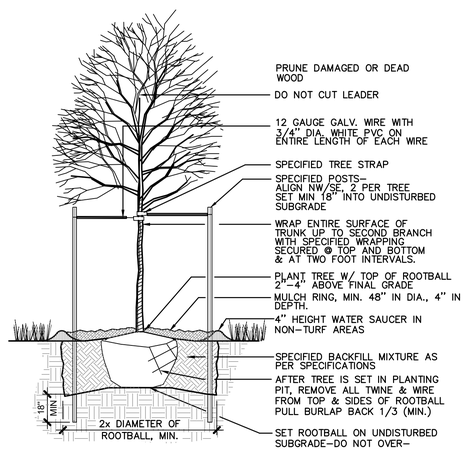


NOTES:
1) SET ALL EDGING 1" ABOVE FINISH GRADE AS SHOWN.
2) EDGING SHALL ABUT ALL CONCRETE CURBS AND WALKS PERPENDICULAR, AND FLUSH W/ GRADES OF CONCRETE.
3) ALL JOINTS TO BE SECURELY STAKED.
4) CONTRACTOR SHALL CUT TOP EDGE(S) AS NEEDED TO BE PARALLEL WITH GRADE.

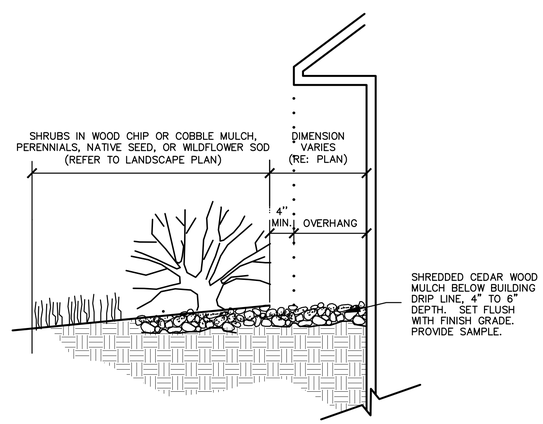
1 L2 STEEL EDGER — NOT TO SCALE



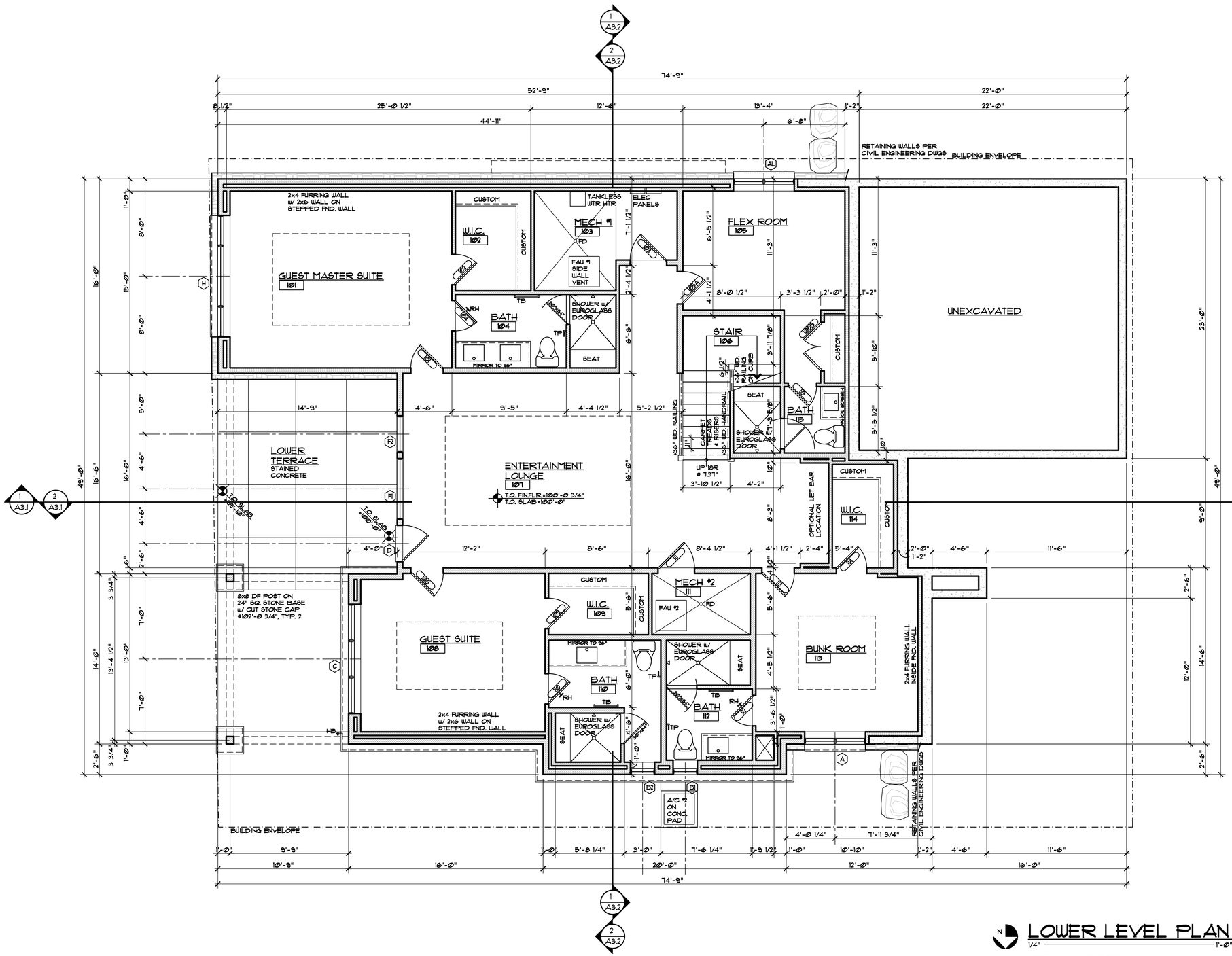
2 L2 SHRUB PLANTING — NOT TO SCALE



3 L2 DECIDUOUS TREE PLANTING — NOT TO SCALE



4 L2 MULCH ARMORED DRIP LINE — NOT TO SCALE



LOWER LEVEL PLAN

1/4" = 1'-Ø"

2,090 SF LIVING, 95 SF MECH

GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CONCRETE OR CENTER OF POSTS, UNLESS NOTED OTHERWISE.
2. TOP OF WALL HEIGHTS EQUAL TOP OF FLAT PLATE OR LOWER POINT ON BEVELED WALL PLATES.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY UPON FINDING ANY DISCREPANCIES IN DOCUMENTS.
4. ALL WORK SHALL COMPLY WITH STATE & LOCAL CODES AND ORDINANCES, BE BUILT TO INDUSTRY STANDARDS AND BE PERFORMED TO THE HIGHEST LEVEL OF CRAFTSMANSHIP.
5. VERIFY ALL FINISHED FLOOR THICKNESS FOR DETERMINING MOUNTING HEIGHTS, STAIR CONSTRUCTION, ETC. (3/4" SHOWN ON PLANS MAY VARY.)
6. CABINET LAYOUT, APPLIANCE SPECIFICATIONS, AND ELECTRICAL/LOW VOLTAGE REQUIREMENTS & LOCATIONS NEED TO BE VERIFIED BY GENERAL CONTRACTOR PRIOR TO INSTALLATION.
7. FRAMING CONTRACTOR TO PROVIDE BLOCKING FOR ALL SURFACE MOUNTED ACCESSORIES AND SHALL COORDINATE PLACEMENT WITH ON-SITE SUPERVISOR PRIOR TO INSTALLATION.
8. VERIFY ALL VENTING, DUCTWORK, SUPPLY AND RETURN AIR LOCATIONS W/ HVAC CONTRACTOR PRIOR TO COMPLETION OF FRAMING & ELECTRICAL ROUGH-IN. GENERAL CONTRACTOR TO APPROVE ALL LOCATIONS.
9. DROPPED CEILING AND SOFFIT LOCATIONS SHALL BE APPROVED BY ON-SITE SUPERVISOR AND COORDINATED W/ M.E.P. SUB-CONTRACTORS PRIOR TO INSTALLATION.
10. REFER TO WINDOW MANUFACTURER SHOP DRAWINGS FOR EXACT ROUGH OPENINGS FOR ALL DOORS & WINDOWS. NOTIFY ARCHITECT IMMEDIATELY WITH ANY ISSUES REGARDING HEADERS AND/OR POSTING.
11. ALL INTERIOR DRYWALL IS 5/8" GYPSUM BOARD, U.N.O.

DISCLAIMER: ALL PLANS, RENDERINGS, SPECIFICATIONS AND MARKETING MATERIALS ARE SUBJECT TO REVISIONS AND MODIFICATIONS AT DEVELOPERS SOLE DISCRETION DUE TO SITE SPECIFIC GRADING CONDITIONS, AVAILABILITY OF MATERIALS, AVAILABILITY OF LABOR, MANUFACTURER SUPPLY SHORTAGES, AND GOVERNMENTAL AGENCY CHANGES. ALL PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS AND CONDITIONS OF APPROVAL BY THE MINTURN NORTH DESIGN REVIEW BOARD, TOWN OF MINTURN CITY COUNCIL, TOWN OF MINTURN DESIGN REVIEW BOARD, TOWN OF MINTURN BUILDING PERMIT DEPARTMENT AND ALL OTHER APPLICABLE REGULATORY AGENCIES. ARTIST RENDERINGS HAVE BEEN PROVIDED FOR ILLUSTRATIVE AND MARKETING PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS A BASIS FOR PURCHASING. COLOR, MATERIALS AND DESIGN ELEMENTS ARE SUBJECT TO REFINEMENT AND REVISION WITHOUT NOTICE AT DEVELOPERS SOLE DISCRETION.

EGGERS ARCHITECTURE, INC.
PO BOX 798 KREMMLING, CO 80459
(970) 724-3411 CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

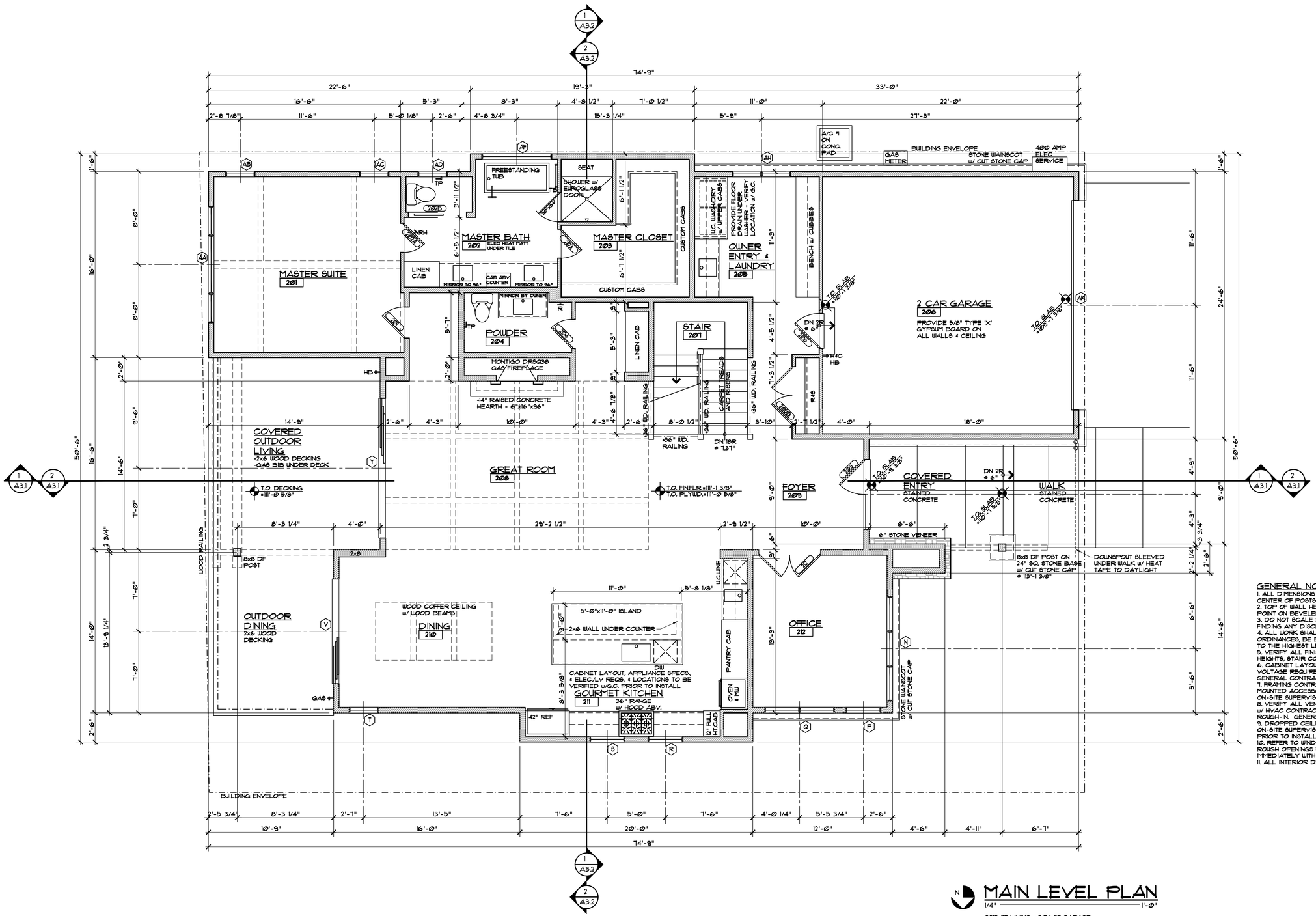
RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

REICH
43 MILES END LANE
LOT 30, MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L30

ISSUED #	DATE	BY	COMMENTS
2	6-14-24	DJVE	REVISED DRB SUBMITTAL
1	5-17-24	DJVE	DRB SUBMITTAL SET

A1.1



MAIN LEVEL PLAN

1/4" = 1'-0"

2218 SF LIVING + 504 SF GARAGE

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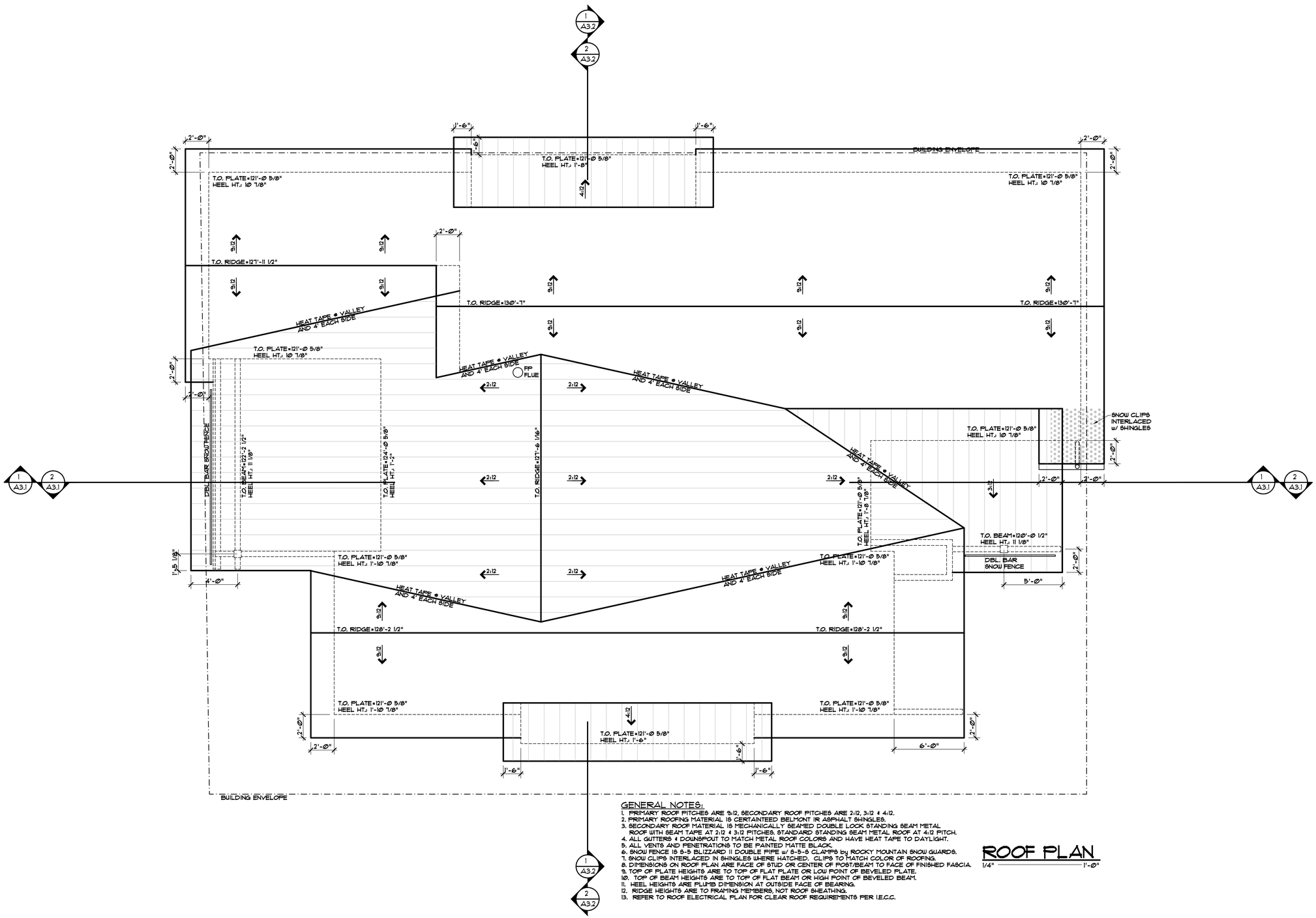

GENERAL NOTES:

1. PRIMARY ROOF PITCHES ARE 9:12, SECONDARY ROOF PITCHES ARE 2:12, 3:12 & 4:12.
2. PRIMARY ROOFING MATERIAL IS CERTAINTEED BELMONT IR ASPHALT SHINGLES.
3. SECONDARY ROOF MATERIAL IS MECHANICALLY SEAMED DOUBLE LOCK STANDING SEAM METAL ROOF WITH SEAM TAPE AT 2:12 & 3:12 PITCHES. STANDARD STANDING SEAM METAL ROOF AT 4:12 PITCH.
4. ALL GUTTERS & DOWNSPOUT TO MATCH METAL ROOF COLORS AND HAVE HEAT TAPE TO DAYLIGHT.
5. ALL VENTS AND PENETRATIONS TO BE PAINTED MATTE BLACK.
6. SNOW FENCE IS 9-5 BLIZZARD II DOUBLE PIPE w/ 9-5-9 CLAMPS by ROCKY MOUNTAIN SNOW GUARDS.
7. SNOW CLIPS INTERLACED IN SHINGLES WHERE HATCHED. CLIPS TO MATCH COLOR OF ROOFING.
8. DIMENSIONS ON ROOF PLAN ARE FACE OF STUD OR CENTER OF POST/BEAM TO FACE OF FINISHED FASCIA.
9. TOP OF PLATE HEIGHTS ARE TO TOP OF FLAT PLATE OR LOW POINT OF BEVELED PLATE.
10. TOP OF BEAM HEIGHTS ARE TO TOP OF FLAT BEAM OR HIGH POINT OF BEVELED BEAM.
11. HEEL HEIGHTS ARE PLUMB DIMENSION AT OUTSIDE FACE OF BEARING.
12. RIDGE HEIGHTS ARE TO FRAMING MEMBERS, NOT ROOF SHEATHING.
13. REFER TO ROOF ELECTRICAL PLAN FOR CLEAR ROOF REQUIREMENTS PER I.E.C.C.

ROOF PLAN

1/4" = 1'-0"

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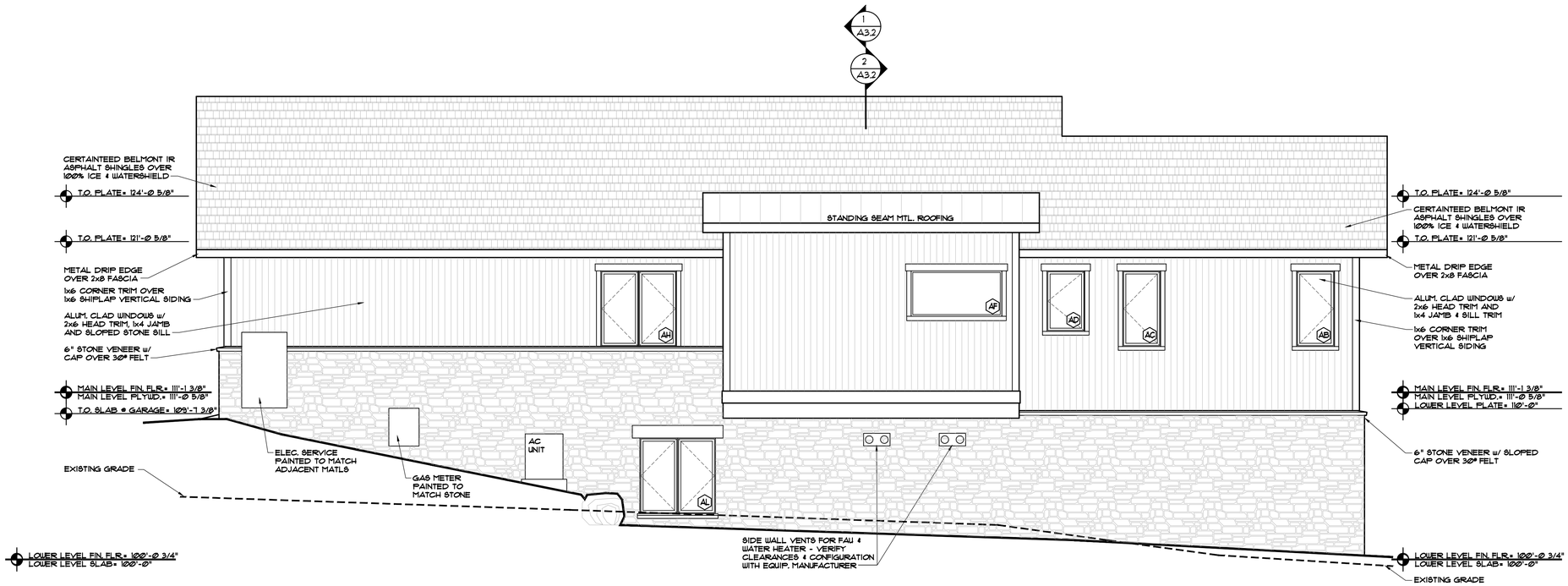
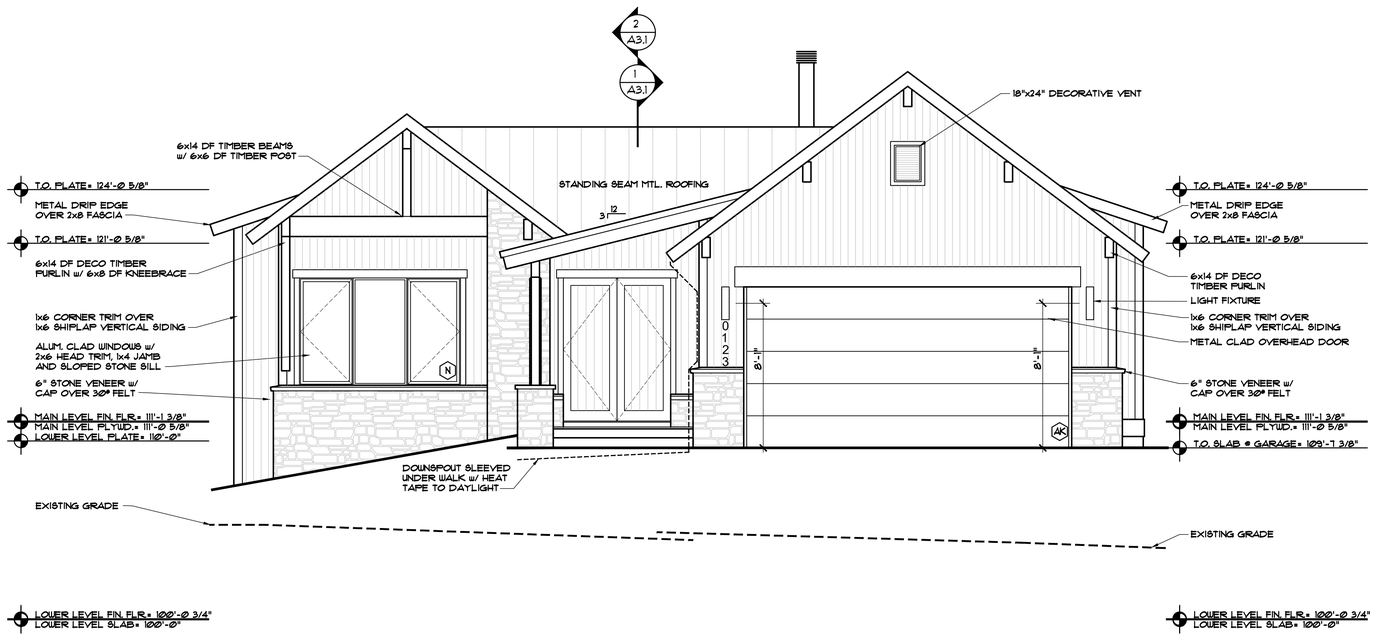


RIGHT ELEVATION

1/4" = 1'-Ø"



FRONT ELEVATION

1/4" = 1'-Ø"

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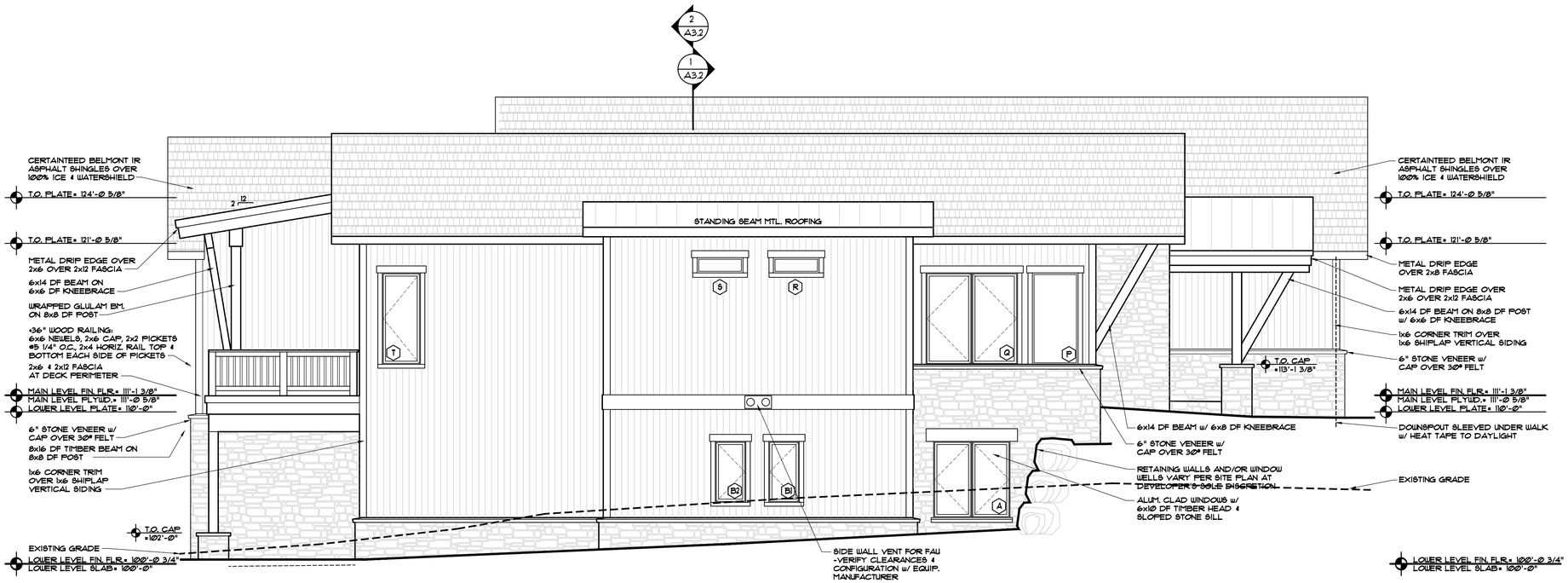

LEFT ELEVATION

1/4" = 1'-0"

REAR ELEVATION

1/4" = 1'-0"

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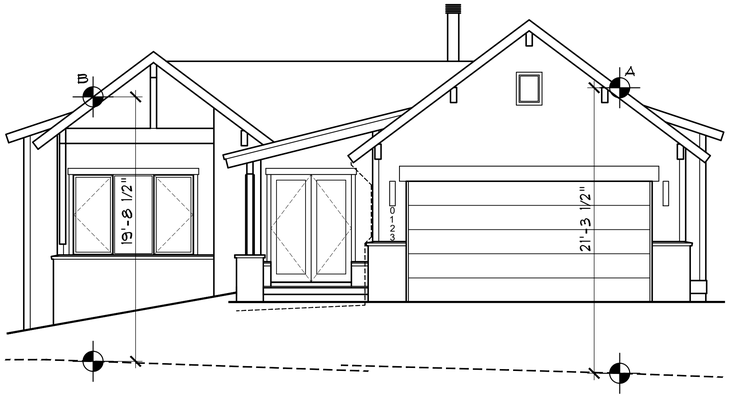
EDWARDS, COLORADO
(970) 926-1720

REICH
43 MILES END LANE
LOT 30, MINTURN NORTH
MINTURN, COLORADO

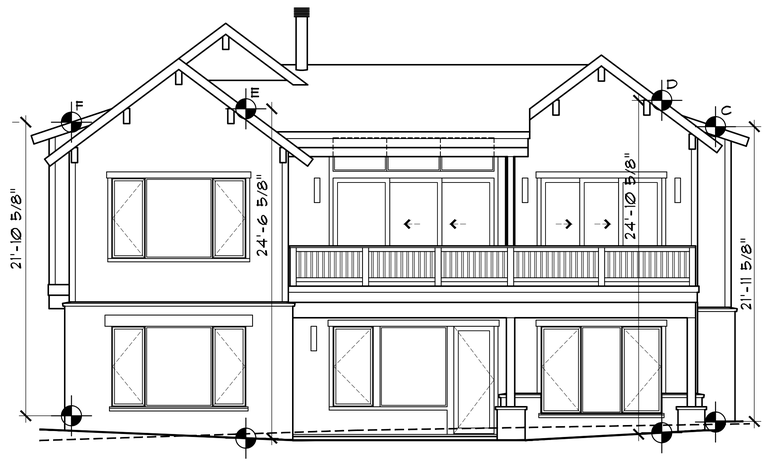
PROJECT NO: 2412-22 L30

ISSUED #	DATE	BY	COMMENTS
2	6-14-24	DWE	REVISED DRB SUBMITTAL
1	5-17-24	DWE	DRB SUBMITTAL SET

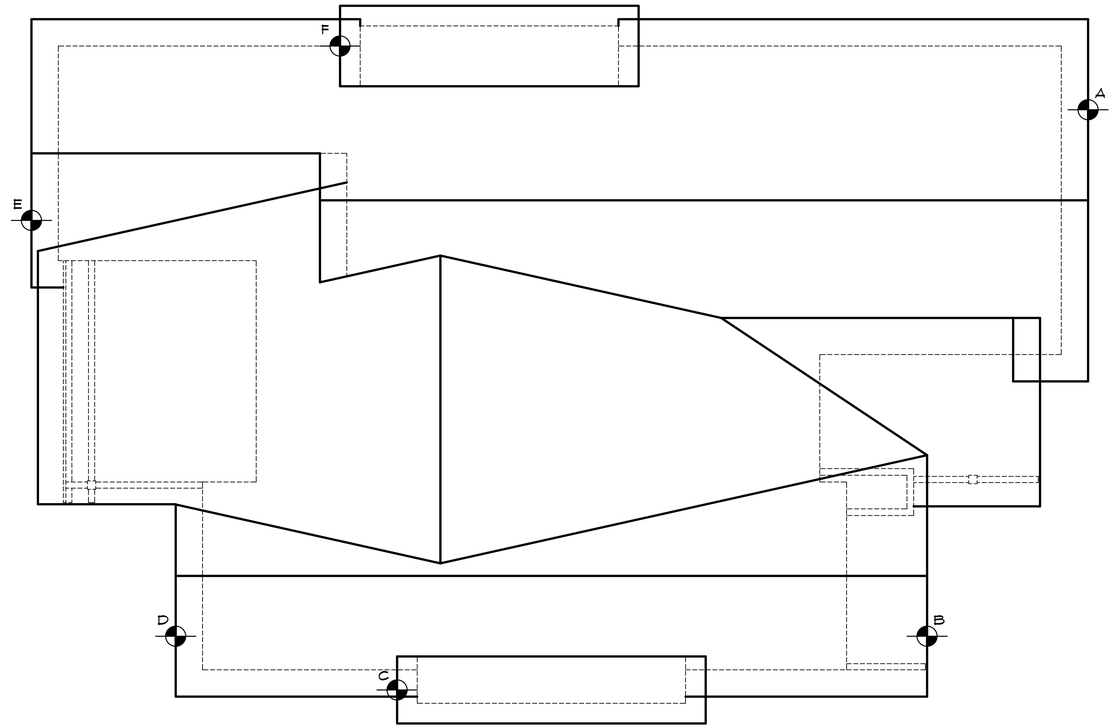
A2.2



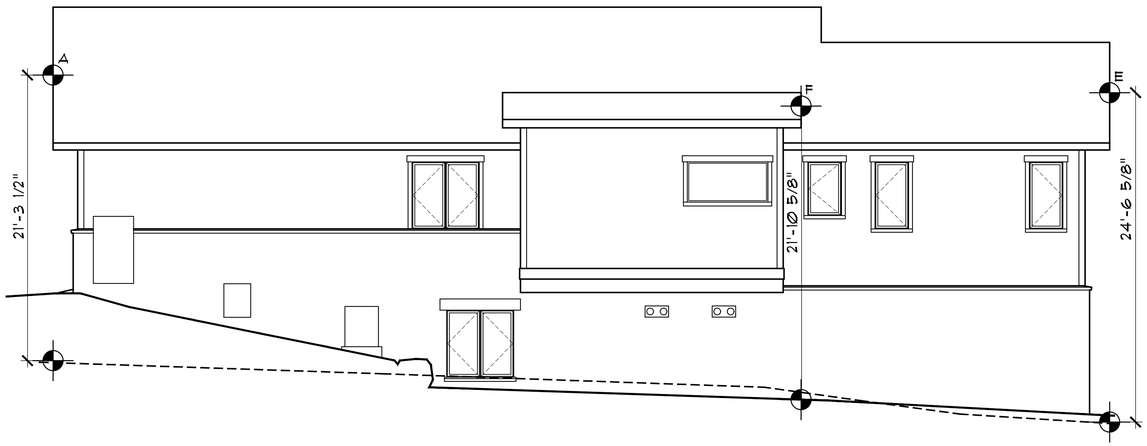
FRONT ELEVATION
1/4" = 1'-0"



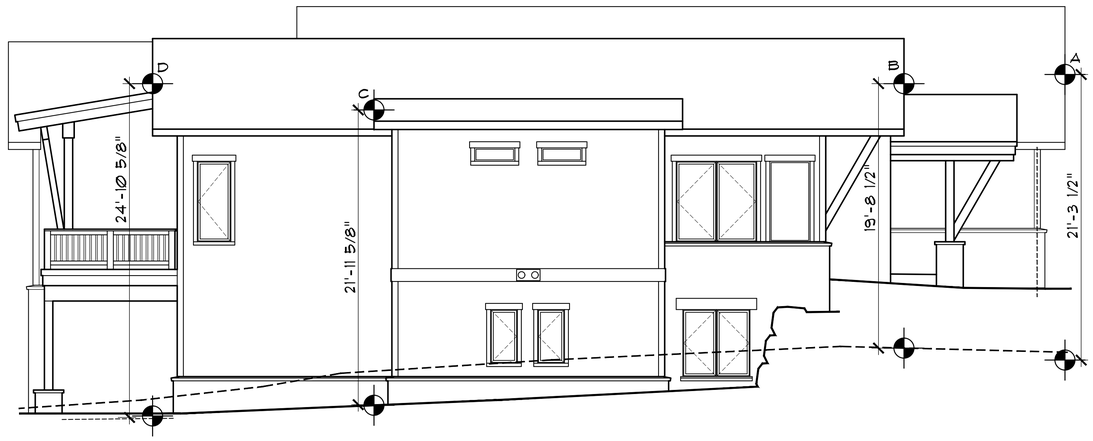
REAR ELEVATION
1/4" = 1'-0"



ROOF PLAN
1/4" = 1'-0"



RIGHT ELEVATION
1/4" = 1'-0"



LEFT ELEVATION
1/4" = 1'-0"

DISCLAIMER: ALL PLANS, RENDERINGS, SPECIFICATIONS AND MARKETING MATERIALS ARE SUBJECT TO REVISIONS AND MODIFICATIONS AT DEVELOPERS SOLE DISCRETION DUE TO SITE SPECIFIC GRADING CONDITIONS, AVAILABILITY OF MATERIALS, AVAILABILITY OF LABOR, MANUFACTURER SUPPLY SHORTAGES, AND GOVERNMENTAL AGENCY CHANGES. ALL PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS AND CONDITIONS OF APPROVAL BY THE MINTURN NORTH DESIGN REVIEW BOARD, TOWN OF MINTURN CITY COUNCIL, TOWN OF MINTURN DESIGN REVIEW BOARD, TOWN OF MINTURN BUILDING PERMIT DEPARTMENT AND ALL OTHER APPLICABLE REGULATORY AGENCIES. ARTIST RENDERINGS HAVE BEEN PROVIDED FOR ILLUSTRATIVE AND MARKETING PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS A BASIS FOR PURCHASING. COLOR, MATERIALS AND DESIGN ELEMENTS ARE SUBJECT TO REFINEMENT AND REVISION WITHOUT NOTICE AT DEVELOPERS SOLE DISCRETION.

EGGERS
ARCHITECTURE, INC.
PO BOX 798
KREMMLING, CO 80459
(970) 724-3411
CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

REICH
43 MILES END LANE
LOT 30, MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L30

ISSUED #	DATE	BY	COMMENTS
2	6-14-24	DUE	REVISED DRB SUBMITTAL
1	5-17-24	DUE	DRB SUBMITTAL SET

BH1

Minturn Planning Department
Minturn Town Center
302 Pine Street
Minturn, Colorado 81645

Minturn Planning Commission
Chair – Lynn Teach
Jeff Armistead
Michael Boyd
Amanda Mire
Eric Rippeth
Darell Wegert

Design Review Board Hearing

Final Plan Review for New Home

0186 Miles End Lane

Hearing Date:	June 26, 2024
File Name and Process:	Single-Family Residence Final Plan Review
Owner/Applicant:	David & Adriana Bombard
Representative:	Taylor Hermes & Rick Hermes, Minturn North Construction Company
Legal Description:	Subdivision: MINTURN NORTH PUD Lot: 7
Address:	0186 Miles End Lane
Zoning:	Game Creek Character Area – Minturn North PUD Zone District
Staff Member:	Madison Harris, Planner I
Recommendation:	**Approval, with conditions**

Staff Report

I. Summary of Request:

The Applicants, David and Adriana Bombard, request Final Plan review of a new, four-bedroom, 5,818 (gross) square foot single-family residence located at 0186 Miles End Lane in the Game Creek Minturn North PUD Zone District. The Applicant's representatives, Taylor Hermes and Rick Hermes of the Minturn North Construction Company, have been proactive in meeting with Town staff prior to submitting plans for a new home and have provided a relatively complete and thorough set of site, landscaping, and architectural plans.

Proposed Plans
The plans show a two-story, four-bedroom structure with a maximum building height - measured to the midpoint of the roof – of 27 feet 9 and 5/8 inches, under the maximum allowable 28-foot limit within the Game Creek Minturn North PUD Zone District.

Additionally, the massing, forms, and scale of the proposed structure, as well as proposed exterior materials, textures and detailing also appear to achieve the design objectives of Appendix B – *Design Guidelines and Standards,* Minturn Municipal Code.

Parking is adequate, with four off-street spaces, two of which are provided within the garage and two in front of the garage. The plans show the entry level with one bedroom, garage, and entertainment lounge, and the main level has the three remaining bedrooms and primary living area.

According to staff's analysis of development standards and dimensional limitations in Section III below the project appears to meet the Town's standards.

Overall, staff believes that the Applicants and their representative have provided a complete, detailed set of plans necessary to complete a thorough final plan review.

As a reminder, the Planning Commission has the option to review the proposal as a "conceptual" plan review if the Commission feels that the plans are *not* sufficient or are in need of revisions and additional review prior to final plan approval; or the Commission may take action to approve, approve with conditions, or deny the Final Plans.

Staff is **recommending approval,** with conditions.

II. Summary of Process and Code Requirements:

These plans are being presented by the Applicant as "Final Plan" level of review for a new single-family residential structure on a legally created lot within the Town of Minturn. This is a formal hearing providing the Applicant and staff the opportunity to discuss the proposal with the Planning Commission, acting as the Design Review Board, and to address the DRB's concerns or feedback regarding suggested revisions to the project.

If the DRB feels that the plans are complete, appropriate, and meet the intent and purposes of the Minturn Municipal Code, Chapter 16, the DRB has the option to take final action to approve the plans without conditions, or to approve with specific conditions and giving the Applicant and staff clear direction on any recommended revisions, additions or updates to the plans.
No variances are required or requested at this time.

Design Review Process
Appendix 'B' of the Minturn Municipal Code, Section 16-21-615 - *Design Review Applications*, subsection "d" below outlines the criteria and findings necessary for DRB review and approval of all new, major development proposals:

(d) Administrative procedure.

(1) Upon receipt of a completed and proper application, the application for Design Review will be scheduled for a public hearing. The hearing will be conducted in accordance with the procedures set forth in this Chapter.

(2) Criteria and findings. Before acting on a Design Review application, the Planning Commission, acting as the Design Review Board (DRB), shall consider the following factors with respect to the proposal:

a. The proposal's adherence to the Town's zoning regulations.
b. The proposal's adherence to the applicable goals and objectives of the Community Plan.
c. The proposal's adherence to the Design Standards.

(3) Necessary findings. The Design Review Board shall make the following findings before approving a Design Review application:

a. That the proposal is in conformance with the Town zoning regulations.
b. That the proposal helps achieve the goals and objectives of the Community Plan.
c. That the proposal complies with the Design Standards.

Staff suggests that the final plans for 0186 Miles End Lane meet or can be revised to meet the required findings 'a,' 'b,' and 'c' or subparagraph 3 – *Necessary findings* – with proposed conditions of approval.

III. Zoning Analysis:

Zoning

The subject property is located within the "Game Creek Character Area" Minturn North PUD Zone District Planning Area 1 (PA-1), described as follows:

> *"The primary intent of this Planning Area is to create a market rate single-family residential use zone surrounded by common area and open space."*
>
> *- Ordinance No. 15 – Series 2023 Minturn North PUD Guide*

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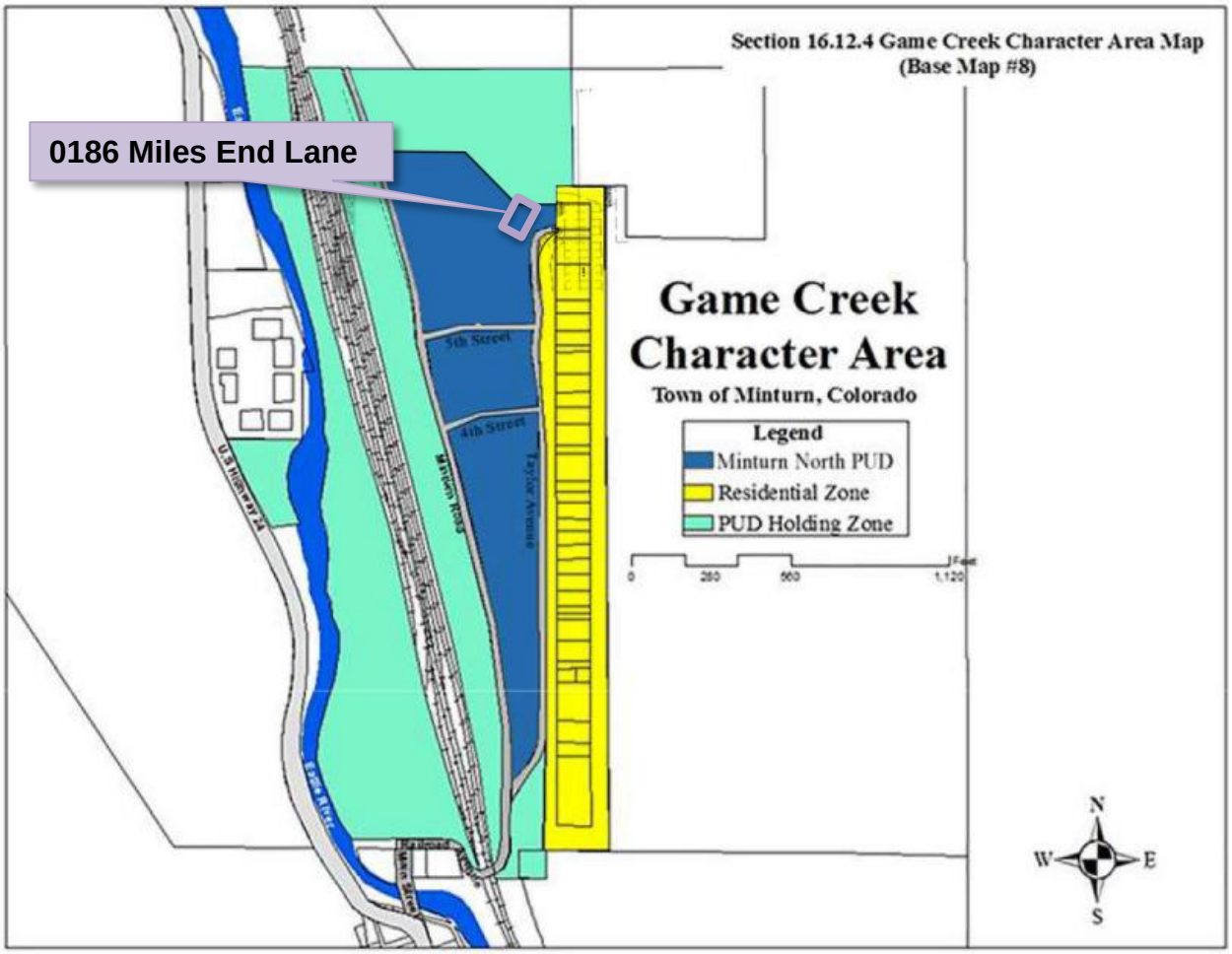
Figure 1: Game Creek Character Area Zoning Map



Dimensional Limitations and Development Standards

The following table summarizes the lot, development and dimensional standards and limitations applicable to the subject property pursuant the approved Final Development Plan for the Minturn North PUD.

Regulation	Allowed/Required	Proposed/Existing
Minimum Lot Area:	6,882.48 sq. ft.	6,882.48 sq. ft. (.158 ac.)
Maximum Building Height:	28 feet	27 feet – 9 5/8 inches
Minimum Front Setback:	20 feet	20 feet
Minimum Side Setback:	5 feet	5 feet
Minimum Rear Setback:	10 feet	10 feet

Maximum Lot Coverage:	50% (3,441.24 sq. ft.)	3,154 sq. ft. (45.83%) Proposed
Maximum Impervious Coverage:	60% (4,129.49 sq. ft.)	4,127 sq. ft. (59.96%) Proposed
Minimum Snow Storage Area:	5% of Lot Area (6,882.48 sq. ft. x .05 = 344.12 sq. ft.)	349 sq. ft.
Parking:	4 spaces	4 spaces

IV. Applicable Standards and Design Guideline Criteria:

Design
In addition to the development standards listed above, the following general design principles are provided for reference.

Final Site, Grading and Drainage Design
The Minturn Design Guidelines encourage designs that integrate or account for site topography and existing conditions, surrounding conditions, solar orientation, placement on lots relative to streets and natural features, snow storage and snow shed from roof structures.

Mass and Form
The following excerpt from the Design Guidelines is applicable to the proposed home design:

"c. Massing and Scale

> *"**A simple central form with additive features shall be designed. This style creates visual interest and is appropriate for the community due to its compatibility with existing structures. Buildings and improvements should complement, rather than overpower, the adjacent natural and built environment.** Homes are encouraged to be sheltering in nature, with consistent setbacks from the street with prominent porches or overhanging eaves.*
>
> *"Building mass, form, length and height shall be designed to provide variety and visual interest while maintaining a scale that is similar or compatible to adjacent structures."*
>
> *-Town of Minturn Design Guidelines*

Staff Response:
Staff believes that the design and scale of the proposed structure incorporates a simple central form with additive features and is complementary to adjacent residential structures and character on nearby parcels. Staff further suggests that the scale of the project is appropriate and will not

overpower surrounding natural and built environments. Proposed roof forms and pitches, materials and textures are compatible and complementary to the surrounding built and natural environments.

V. Items of Note:

Items of Note
The following have been identified by staff that have been addressed or are in the process of being addressed that the Planning Commission should be aware about:

Boulder Retaining Wall
On Sheet C1, the plans show two-tiered boulder retaining wall structures that are partially on Lot 7 and within Tract B. Because this structure(s) is both on common property and private property, staff has requested demonstration of reciprocal construction and maintenance easements for the boulder wall. The developer has addressed this comment/request by drafting an Encroachment Agreement between the property owner and the HOA which is attached to this staff report.

VI. Staff Recommendation:

Staff suggests that the Final Plans for 0186 Miles End Lane, as conditioned below, generally **comply** with or exceed the applicable provisions and/or minimum standards of Chapter 16 and the Town of Minturn Design Standards (Appendix 'B') of the Minturn Town Code.

Staff is **recommending approval** of the plans, with the following recommended condition(s):
1. The Applicant shall provide an executed encroachment agreement for the boulder retaining wall on Lot 7 and Tract B prior to, or concurrent with, building permit application.

Inter-Mountain ENGINEERING
Civil Engineers & Surveyors

June 19, 2024

Madison Harris
Town of Minturn Planner
PO Box 309
Minturn, CO 81645

Re: 186 Miles End Lane
Lot 7, Minturn North PUD
DRB resubmittal Review
Project No. 24-0001

Dear Madison:

We reviewed the plans entitled *"Bombard Residence; Lot 07, Minturn North, Minturn Colorado"* revised June 14, 2024 by Eggers Architecture Inc.(Plans) included in the DRB application for Lot 33, Minturn North PUD. Our review was for compliance with the engineering requirements of Section 16-21-615: Design Review applications of the Minturn Municipal Code (MMC).

MMC Section 16-21-615 Section C:

Section (C) (2) Boundary Survey:
Paragraphs a through e:
"Final Plat: Minturn North PUD" recorded March 4, 2024 (Reception No. 202402234) has been included as the Boundary Survey. This plat and associated title commitment were reviewed by the Town and the plat is suitable as the Boundary Survey for this application.

Paragraphs f through l:
Sheet C.7 of the *"Minturn North PUD Overall Grading and Drainage Plan; Construction Plan Set 5/1/24"* prepared by Boundaries Unlimited Inc. is included in the application. The Town issued a Grading Permit based on the Construction Plan Set and Sheet C.7 shows the grading and utilities underway at Minturn North. This plan reflects the basis for design, and fulfills the requirements of Paragraphs f through i.

Section (C) (3) Site Plan:
Sheet BH1 provides Building height information necessary for Planning Staff review.

~~We recommend the limits of the Debris Flow be shown on the Site Plan.~~ The approximate limits of the Debris Flow Study have been added.

Madison Harris
Re: 43 Miles End Lane
Lot 30, Minturn North PUD
DRB Resubmittal Review
Project No. 24-0001

Section (C) (4) Grading & Drainage Plan:
Sheet C1 of the Plans "*Lot 7 Minturn North PUD; Site Grading and Drainage Plan"* prepared April May 11, 2024 by Boundaries Unlimited presents the proposed site grading and drainage and fulfills Grading and Drainage Plan requirements.

Review by Inter-Mountain Engineering is for general conformance with Minturn Municipal Code requirements and is not a peer review. Review by Inter-Mountain Engineering in no way relieves any responsibilities of design professionals associated with the project. Please feel free to contact us if you have additional questions.

Respectfully,
Inter-Mountain Engineering (Town Engineer)

Jeffery M. Spanel PE

CC: Michelle Metteer, Scot Hunn, Taylor Hermes Arnold Martinez

RESORT CONCEPTS
REDEFINING THE RESORT EXPERIENCE

May 21, 2024
Town of Minturn Planning Commission
Attn: Madison Harris

RE: Bombard Residence
Lot 7 Minturn North – 0186 Miles End Lane, Minturn, CO 81645
Design Review Letter of Intent

Madison:

The attached submittal includes a single-family residence within the Minturn North neighborhood. The home is subject to the Minturn North PUD Guide, Town of Minturn Code and all pertinent documents approved by the Town Council.

Lot 7 is located at 0186 Miles End Lane on a downhill sloping undisturbed vacant lot which drops in elevation approximately 10' through the building envelope. The home has been oriented facing south, parallel to the building envelope lines to maximize the site's location to Game Creek. The home has been designed as a patio residence due to the gently sloping topography. The architectural style is a mix of gable forms and low pitch shed roofs to create a composition of forms rather than a single massive structure.

The home exterior is a balanced mix of stone and wood with appropriate architectural detailing which enhances the mountain vernacular. The landscaping Is Intentionally minimal In-keeping with the intent of the approved Minturn North PUD.

Should you have any questions or need clarifications, please don't hesitate to contact me.

Sincerely,

Taylor Hermes
512.468.3012

DESIGN REVIEW APPLICATION

TOWN OF MINTURN PLANNING AND ZONING DEPARTMENT
P.O. Box 309 302 Pine Street Minturn, Colorado 81649-0309
Phone: 970-827-5645 Fax: 970-827-5545 Email: planner1@minturn.org

Project Name:

Minturn North – Bombard Residence

Project Location

Street Address: 186 Miles End Lane

Zoning:	Parcel Number(s):
Residential	2103-262-30-007

Application Request:

Design review of new single-family home

Applicant:

Name: Taylor Hermes & Rick Hermes – Minturn North Construction Company, LLC

Mailing Address: PO Box 2633 Edwards, CO 81632

Phone:	Email:
970-926-1720	THermes@ResortConceptsCO.com

Property Owner:

Name: David & Adriana Bombard

Mailing Address: PO Box 2185 Edwards, CO 81632

Phone:	Email:
415-309-3582	DBombard1@gmail.com / Adriana.Sulak@gmail.com

Required Information:

Lot Size:	Type of Residence (Single Family, ADU, Duplex)	# of Bedrooms	# On-site Parking Spaces
0.158 acres	SFH	5	4
# of Stories:	**Snow storage sq ft:**	**Building Footprint sq ft:**	**Total sq ft Impervious Surface:**
2	349 sf	3,154 sf	4,133 sf

Signature:

Fee Paid:_____ **Date Received:**_____ **Planner:**_____

DESIGN REVIEW APPLICATION

SUBMITTAL CHECKLIST REQUIREMENTS
(TO BE INCLUDED WITH APPLICATION)

Applicant	Staff	
☑	☐	**Application Fee** (Non-Refundable application fee shall be collected)
		• Design Review Board - $200.00
☑	☐	**Letter of Intent**
		-- What is the purpose of the project including;
☑	☐	• Relevant Background
☑	☐	• Current Status of the Site
☑	☐	• All Proposed Uses and Structures
☑	☐	• How the Proposal Differs from what already exists
☑	☐	• Information regarding Easements or Dedicated Tracts, etc.
☑	☐	**Vicinity Map**
		-- Directional Map indicating how to get to the Property involved in the request.
☑	☐	• Zoning of Property
☑	☐	**Site Plan showing Precise Nature of the Proposed Use –**
☑	☐	**To Scale**
☑	☐	• Scaled Drawings of Proposed Design of Structure
☑	☐	○ Plan View and Sections
☑	☐	• Building Heights – all 4 directions N/S/E/W
☑	☐	• topography
☑	☐	• Building Location and impervious coverage
☑	☐	• Setbacks
☑	☐	• Ordinary High Water Mark determined by the Town Engineer and paid for by Applicant
☑	☐	• Parking Plan
☑	☐	• Traffic Circulation
☑	☐	○ Location and Width of Existing and Proposed Access Points
☑	☐	○ Location of Existing Driveways and Intersections
☑	☐	• Landscaped Area – Plan including existing and proposed vegetation.
☑	☐	• Approximate Location of Existing Wooded Areas and Rock Outcrops
☑	☐	• Location and Type of Existing and Proposed Easements
☑	☐	• Utility Easements
☑	☐	• Drainage Features
☑	☐	• Snow Storage areas expressed in square feet as a percentage of the overall site area
☑	☐	**Preliminary Building Plans and Elevations**
☑	☐	• Indicates Dimensions
☑	☐	• General Appearance
☑	☐	• Scale
☑	☐	• Interior Plan for the Buildings

Elements needed on the Site Plan

- Scale
- North Arrow
- Date Prepared
- Lot Dimensions, Area, Entire Site Acreage

Architecture Details – Materials Board

- Windows – Placement and Color
- Doors – Placement and Color
- Siding – Type and Color
- Roof Material – Type and Color
- Paint Color

Boundary Survey with a stamp and signature of a licensed surveyor

- Date of survey (survey date must be within 6 months of the project application date
- Right-of-way and property lines; including bearings, distances and curve information.
- Labeled ties to existing USGS benchmark.
- Property boundaries to the nearest one-hundredth (.01) of a foot accuracy. Distances and bearings and a basis of bearing must be shown. Show existing pins or monuments found and their relationship to the established corner.
- All existing easements recorded with the County Clerk and Recorder. Include bearings and distances.
- Spot elevations at the edge of asphalt along the street frontage of the property at five-foot intervals, and a minimum of two (2) spot elevations on either side of the lot.
- Topographic conditions at two-foot contour intervals.
- Existing trees or groups of trees having trunks with diameters of four (4) inches or more.
- Rock outcroppings and other significant natural features.
- All utility meter locations, including any pedestals on site or in the right-of-way adjacent to the site and the exact location of existing utility sources.
- Environmental hazards where applicable (i.e., rock fall, wetlands and floodplain).
- Watercourse setbacks, if applicable. Show centerline and edge of stream or creek in addition to the required stream setback from the ordinary high water mark.

Grading and Drainage Plan

- Existing contours. Existing two-foot contours must be provided for all disturbed areas. Contours for undisturbed areas must be shown when drainage in those areas impacts the disturbed area.
- Proposed contours. Proposed two-foot contours for all disturbed areas must be shown and must demonstrate positive drainage.
- Spot elevations. Show critical spot elevations, as necessary to demonstrate positive drainage and the direction of flow. Finished grade at all building corners must be provided.
- Top-of-foundation elevations. The top-of-foundation elevation must be shown on the plan and must be consistent with the foundation plan. For buildings on slopes of thirty percent (30%) or greater, elevations for stepped foundation walls must be shown.
- Drainage arrows. Include drainage arrows that show how stormwater will be routed around buildings and where stormwater will exit the property. Stormwater cannot cause damage to any adjacent property. Drainage and erosion control features needed to prevent damage must be included.
- Drainage facilities. Proposed drainage facilities, such as French drains or culverts, must be shown.
- Retaining walls. Retaining wall details are required and must include drainage details. Note top- and bottom-of-wall elevations at each location where the retaining wall steps up or down, and include the tallest point of the retaining wall.

ENCROACHMENT AGREEMENT
(Boulder Retaining Wall)

This Encroachment Agreement (this "Agreement") dated this ___ day of June, 2024, is by and between David Bombard and Adriana Bombard, whose address is P.O. Box 2185, Edwards Colorado, 81632 (collectively, the "Lot 7 Owner") and the Minturn North Property Owners Association, Inc., a Colorado nonprofit corporation, whose address is 225 Main Street, Ste. C-101, Edwards, Colorado 81632 (the "Association").

WHEREAS, the Association governs and administers use of the Common Area for the property known as Minturn North, according to the Final Plat thereof recorded March 4, 2024 under Reception No. 202402234, and as defined in the Declaration of Covenants, Conditions, Restrictions and Easements for Minturn North recorded March 4, 2024 under Reception No. 202402240, County of Eagle, State of Colorado (such Common Area, the "Association Property" herein).

WHEREAS, the Lot 7 Owner is the owner of the real property legally described as Lot 7, Minturn North P.U.D., according to the Final Plat recorded March 4, 2024 under Reception No. 202402234, County of Eagle, State of Colorado, also known as: 186 Miles End Lane, Minturn, Colorado, 81645.

WHEREAS, certain improvements installed by the Association, or its predecessor, encroach upon Lot 7 in the location generally depicted on Exhibit "A" attached hereto and incorporated by this reference herein (such area, the "Encroachment Area" and such encroachment, the "Retaining Wall Encroachment").

WHEREAS, the Lot 7 Owner desires to grant an easement to the Association, which shall include the Retaining Wall Encroachment upon Lot 7.

NOW, THEREFORE, in consideration of the recitals, the mutual agreements hereinafter contained, and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, the Lot 7 Owner and the Association covenant and agree as follows:

1. Grant of Easement.

a. Subject to the terms and conditions set forth herein, for the portion of any improvements, including but not limited to, a two tiered boulder retaining wall structure, which are owned by and for the benefit the Association, but which portion actually lies upon Lot 7 (the "Improvements"), the Lot 7 Owner acknowledges such Retaining Wall Encroachment and grants and conveys to the Association, its successors and assigns, for the benefit of the Association, a non-exclusive, perpetual access and maintenance easement and right-of-way over and across the portion of Lot 7 in the location depicted on Exhibit A as the "Boulder Retaining Wall" for the construction, improvement, maintenance, repair, and replacement of the Improvements.

After recording, please return to:
Alpenglow Law, LLC
P.O. Box 2340
Edwards, CO 81632

b. The Improvements constructed and installed by the Association, or its predecessor, within the Encroachment Area shall be and remain the property of, and therefore the responsibility of, the Association, the party responsible for said Improvements.

c. In the event the Improvements located within the Encroachment Area are partially or totally destroyed and then rebuilt promptly, said Retaining Wall Encroachment shall be valid and remain in full force and effect for the rebuilt improvements only if the rebuilt improvements conform in both size and location to the original Improvements.

d. The Association shall at all times remain responsible for injuries, demands, damages to persons or property, losses or judgment arising from its use of the Improvements and the Association's acts and omissions thereon by the Association and its owners, members, employees, suppliers, officers, agents and subcontractors.

2. Miscellaneous.

a. Run With the Land. This Agreement shall be recorded with the Clerk and Recorder of Eagle County, Colorado and shall run with the land, and shall be binding upon and inure to the benefit of the parties hereto and the heirs, successors and assigns of the parties hereto, so that a transfer of title to Lot 7 and/or the Association Property shall automatically transfer the benefits and burdens of the encroachment rights under this Agreement.

b. Jurisdiction, Prevailing Party Attorneys' Fees. The Agreement is made and entered into in the State of Colorado and shall be construed in accordance with the laws of the State of Colorado. Should any litigation be commenced between the parties hereto concerning any provision hereof or the rights or duties of any person in relation hereto, the prevailing party in such litigation shall be entitled, in addition to such other relief as may be granted, to a reasonable sum for its attorneys' fees and costs incurred in such litigation which will be determined by the court in such litigation or in a separate action brought for that purpose. Any litigation arising out of or concerning this Agreement shall be commenced and maintained in Eagle County, Colorado.

c. Amendments. This Agreement may not be amended, nor may any rights hereunder be waived, except by an instrument in writing executed by the parties hereto and duly recorded in the real estate records of Eagle County, Colorado.

d. Entire Agreement. This Agreement constitutes the entire understanding and Agreement between the parties. All preceding agreements relating to the subject matter hereof, if any, whether written or oral, are hereby merged into this Agreement.

e. Further Acts. The parties agree to perform such further acts and to execute and deliver such further agreements or other documents as may be reasonably necessary to effectuate and carry out the provisions of this Agreement. The parties agree to fully and promptly cooperate to correct any scrivener, clerical or other errors found in any legal descriptions or in any other provision of this Agreement or any exhibits hereto.

f. Execution. A telecopy or other reproduction of this Agreement may be executed by the parties and shall be considered valid, binding and effective for all purposes. At the request of either party, the parties agree to execute an original of this Agreement, as well as any telecopy or other reproduction. This Agreement may be executed in counterparts and, as executed, shall constitute one

Agreement binding on all of the parties hereto notwithstanding that all said parties are not signatory to the original or same counterpart.

g. Consent of Lienholders. In the event there exists any lienholder or mortgagee having a lien against Lot 7 or the Association Property, that owner shall obtain from such lienholder or mortgagee in recordable form a consent whereby such lienholder or mortgagee agrees that no foreclosure (or deed in lien of foreclosure) upon such mortgage or lien will have the effect of extinguishing this Agreement or impairing the rights of the grantees hereunder.

IN WITNESS WHEREOF, the undersigned have executed this Encroachment Agreement effective as of the day and year first written above.

ASSOCIATION:
Minturn North Property Owners Association, Inc., a Colorado nonprofit corporation

By: _____
Rick Hermes, President

STATE OF COLORADO)
) ss
COUNTY OF EAGLE)

The foregoing Agreement was acknowledged this ____ day of _____, 2024 by Rick Hermes, as President of the Minturn North Property Owners Association, Inc.

WITNESS my hand and official seal.
My commission expires:

_____
Notary Public

LOT 7 OWNER:

By: _____
David Bombard

By: _____
Adriana Bombard

STATE OF COLORADO)
) ss
COUNTY OF EAGLE)

The foregoing Agreement was acknowledged this ____ day of _____, 2024 by David Bombard and Adriana Bombard.

WITNESS my hand and official seal.
My commission expires:

_____
Notary Public

EXHIBIT "A"
[General Description of Encroachment Area Attached]

1 - GRATE/MOLD COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2 - CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7901-110-005.
3 - STANDARD DRAIN BASIN HAS FIXED ADAPTER LOCATIONS OF 0° & 180°. CUSTOM DRAIN BASIN ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7901-110-012.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL) & PVC SEWER (4" - 24").

DOME GRATE INTEGRATED DUCTILE IRON GRATE TO MATCH BASIN O.D.

USE INLET DESIGNED FOR H20 LOADING

2.78" 1.26" 1.25" 18.94"Ø 22.13"Ø

DUCTILE IRON GRATE DUCTILE IRON FRAME

GRATE OPTIONS	LOAD RATING	PART #
STANDARD	LIGHT DUTY	6919CGSF
BOLT COVER	LIGHT DUTY	6919CGSCF
BRONZE	N/A	6919CGBF
DOME	N/A	6919CGDF
DROP IN GRATE	LIGHT DUTY	6921 DI

STANDARD GRATE ASSEMBLY

IN FLAGSTONE LOCATION INSTALL SEALANT BETWEEN FRAME AND FLAGSTONE/CONCRETE.

WOOD STAKES

INSTALL SEDIMENT CONTROL LOG AROUND INLET

INTERGRATED DUCTILE IRON FRAME & GRATE TO MATCH BASIN O.D.

OUTLET ADAPTER PER PLANS

WATERTIGHT JOINT

Per Plan

CLASS 6 ABC COMPACTED TO 95% STANDARD PROCTOR

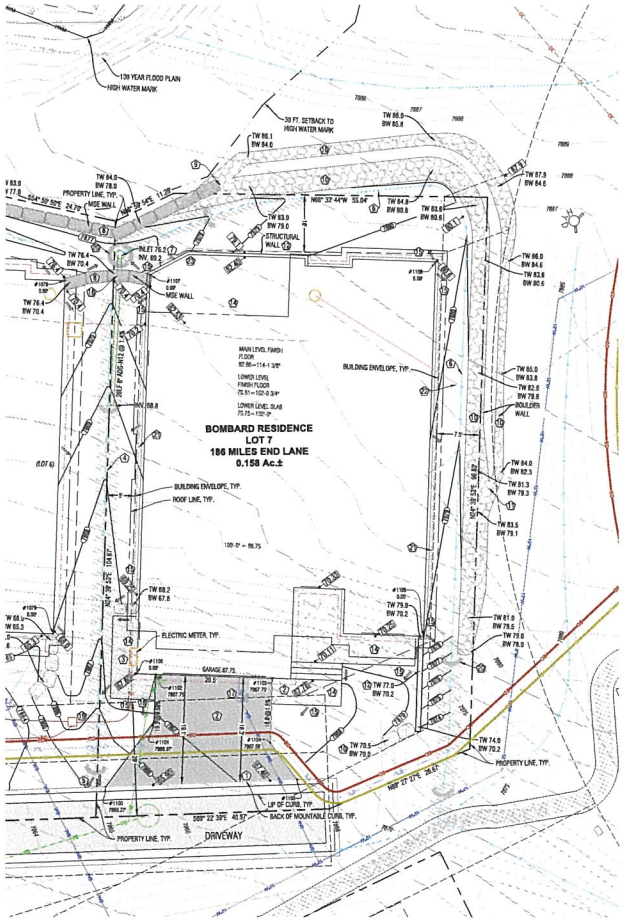
6" SUMP

6" BEDDING

DRAIN BASIN LAYOUT

NYLOPAST DRAIN BASIN

N.T.S. 6 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL 7901-110-272



LEGEND

TW	TOP OF WALL
BW	BOTTOM OF WALL
GS	GRADE BREAK
EX	EXISTING
LP	LOW POINT
HP	HIGH POINT
86.79	PROPOSED SPOT ELEVATION
	DRAINAGE SWALE
	FLOW ARROW
SCF SCF	SEDIMENT CONTROL FENCE
8000 8010	PROPOSED MAJOR/MINOR CONTOUR
8000 8010	EXISTING MAJOR/MINOR CONTOUR
	EROSION LOGS
	ASPHALT DRIVEWAY & AUTOCOURT
	NORTH AMERICAN GREEN SC-250BN EROSION CONTROL FABRIC, OR RIPRAP ALTERNATIVE
	FLAGNOTE
	EX CURB STOP
PROPOSED EXISTING	POSSIBLE ELECTRIC SERVICE
	POSSIBLE GAS SERVICE
	POSSIBLE WATER SERVICE
	POSSIBLE SEWER SERVICE
	FOUNDATION DRAIN
	DOWNSPOUT & STORM DRAIN WITH SIZE
	MSE WALL
	BOULDER WALL

Point Table				
Point #	Desc.	Elev	North	East
1100	Driveway	7865.27'	4517.86	5536.43
1101	Driveway	7866.53'	4525.20	5550.64
1102	Driveway	7867.79'	4532.59	5564.08
1103	Driveway	7867.79'	4324.13	5573.71
1104	Driveway	7867.59'	4313.82	5567.97
1105	Driveway	7867.82'	4306.06	5688.82
1106	House Corner	0.00'	4334.05	5661.12
1107	House Corner	0.00'	4307.86	5580.33
1108	House Corner	0.00'	4300.43	5827.44
1109	House Corner	0.00'	4320.68	5600.00

NOTES:

1) BASIS OF ELEVATION: NAVD88 BASED ON THE ORIGINAL TOPOGRAPHIC MAP OF MINTURN NORTH PREPARED BY GORE RANGE SURVEYING, LLC., JOB NO. 19-1203, DATED 4/1/21. NO BENCHMARK WAS NOTED ON THE BASE SURVEY.

2) THE BOUNDARY DIMENSIONS, EASEMENTS AND RIGHTS OF WAY SHOWN HEREON ARE BASED ON THE FINAL PLAT OF MINTURN NORTH PUD, AND SURVEY CONTROL MONUMENTS FOUND AT THE TIME OF THE SURVEY AND SHOWN ON THE SURVEY REFERENCED ABOVE.

3) SEE ADDITIONAL SITE NOTES & DETAILS ON SHEET C2.

4) EXISTING CONTOUR INTERVAL IS 1 FT., PROPOSED CONTOUR INTERVAL IS 1 FT.

5) LOT AREA: 6,884 SF±
DISTURBANCE AREA: 6,884 SF±

6) THIS (CIVIL) PLAN SET IS INTENDED TO BE PLOTTED IN COLOR. FAILURE TO DO SO MAY RESULT IN MISSING DATA & INFORMATION CRITICAL TO THE PROJECT.

FLAGNOTES:

1. MATCH TO BACK OF EXISTING CURB.
2. PROPOSED ASPHALT DRIVEWAY, AUTO-COURT AND CONCRETE WALKWAYS. STRUCTURAL FILL UNDER THE BUILDING TO FOLLOW THE DIRECTION OF THE GEOTECH REPORT. ALL EARTHWORK CONSTRUCTION TO BE APPROVED BY THE GEOTECHNICAL ENGINEER.
3. PERVIOUS SANDSET PAVERS RE: ARCHITECTURAL
4. PROVIDE DRAINAGE SWALE AS SHOWN, WITH NORTH AMERICAN GREEN SC250 EROSION FABRIC OR RIPRAP WHERE SLOPE EXCEEDS 5%. SEE DETAIL.
5. FAN OUT DRAINAGE SWALE TO EVENLY DISSIPATE DRAINAGE, TYP. . SPILL THE LOCAL CHANNEL OVER THE TOP OF THE CURB LINE
6. CREATE DRAINAGE SWALE. LOCATE FLOWLINE AT LEAST 1 FT. HORIZONTALLY AND 6" VERTICALLY LOWER FROM BASE OF WALL. INSTALL NORTH AMERICAN GREEN SC250 EROSION FABRIC WHERE SLOPE EXCEEDS 5%.
7. INSTALL 8" NYLOPLAST DRAIN BASIN WITH DOME GRATE. SEE DETAIL ON THIS SHEET SHAPE & DRAIN ALL SURROUNDING AREA TO LOW POINT WHICH IS THE INLET. NO DRAINAGE ALLOWED TO RETAINING WALL. INSTALL HEAT TAPE IN BASIN AND OUTLET PIPE.
8. MSE WALL WHERE WALL HEIGHT EXCEEDS 4 FT. PER DETAIL ON SHEET C2. WALL DRAIN LINES NOT SHOWN.
9. TRANSITION FROM MSE WALL TO SPLIT BOULDER WALL.
10. INSTALL BOULDER WALL FOR LANDSCAPE AREAS PER THE DETAIL ON SHEET C2. WALL DRAIN LINES NOT SHOWN.
11. TRANSITION FROM SPLIT BOULDER WALL TO SINGLE TIER.
12. STRUCTURAL WALL RE: STRUCTURAL.
13. SLOPE PATIOS, DECKS AND WALKS AT 2% MIN. AWAY FROM THE STRUCTURE.
14. GRADE AROUND THE PERIMETER OF BUILDING AS NECESSARY 10% FOR 5-FEET MIN. (10 FT. WHERE POSSIBLE) IN UNPAVED AREAS TO ENSURE PROPER DRAINAGE AWAY FROM THE FOUNDATION. IT WILL BE IMPORTANT TO CONSTRUCT AND DIRECT SURFACE DRAINAGE AWAY FROM BUILDING, WALKS AND WALLS TO EITHER THE AUTOCOURT, THE OUTLET SWALE, OR DOWNWARD SLOPING NATURAL GRADE. VERIFY DRAINAGE AND SWALE INTEGRITY ON A REGULAR BASIS.
15. PROTECT STORM LINES AND UTILITIES WHEN CONSTRUCTING IMPROVEMENTS ABOVE FROM MATERIAL AND EQUIPMENT, TYP.
16. LOCATE EXISTING CURB STOP, CONFIRM LOCATION AND CONNECTION WITH THE WATER & SANITATION DISTRICT, CONNECT AND EXTEND NEW WATER SERVICE TO MECHANICAL ROOM. MAINTAIN COVER OVER NEW SERVICE PER DISTRICT REGULATIONS.
17. APPROXIMATE LOCATION OF SEWER SERVICE STUB. CONNECT AND EXTEND NEW SEWER SERVICE TO MECHANICAL ROOM. MAINTAIN COVER OVER NEW SERVICE PER DISTRICT REGULATIONS. INSTALL CLEANOUTS AT HOUSE EXTERIOR AND ALL BEND LOCATIONS.
18. LOCATE, CONNECT TO, AND EXTEND ELECTRIC, AND COMMUNICATION SERVICES TO METER CABINET. MAINTAIN COVER & CLEARANCES BETWEEN/OVER NEW SERVICES PER UTILITY REGULATIONS
19. EROSION LOGS PER DETAIL ON SHEET C2.
20. FOUNDATION DRAIN, TYP., INSTALL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. DRAIN @ 0.5% MIN. TO DAYLIGHT. SEE DETAIL ON SHT. C2.
21. EXTEND THE FOUNDATION DRAIN FROM SUMP PUMP IN HOUSE TO DAYLIGHT WITH SOLID PIPE. COVER WITH A RODENT SCREEN AT END.
22. INSTALL HANDRAIL WHERE NECESSARY, RE: ARCHITECT.

Boundaries Unlimited Inc.
Civil Engineering Surveying & Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bui-inc.com

Subsurface Utility Engineering (SUE)
Required Project: TBD
If "Yes", SUE Certification by:
Firm: TBD
Job #: TBD
Date: TBD

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION Review

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 10' 20'
Scale: 1" = 10'

811 Know what's below. Call before you dig.

TOWN OF MINTURN, COLORADO

Lot 7, Minturn North P.U.D.

Site, Grading and Drainage Plan

DRB Submittal 5/17/24

No.	Date	Revision	By
1			
2			
3			
4			
5			
6			
7			
8			

PROJECT NO. 23003
Designer: PAM
Drafter: PAM
Date: 5/16/24
Sheet C1
File Name: lot 7 sp-01.dwg

N:\PROJECTS\2023\23003-Minturn North Individual Lots\dwg\Lot 7 Bombard\dwg\Lot 7 SP-01.dwg 5/15/2024 3:03 PM

Terraces & Walkways
Concrete Pavers
Color: Light Almond

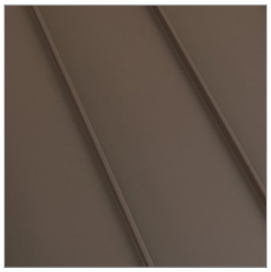
Exterior Stone
Colorado Buff

Fascia, Soffits, Columns & Railing
Color: Custom Stain

Vertical Siding & Railing
1"x8" – Butt Joint, Smooth
Color: Custom Stain

Wood Columns per Plan
Color: Custom Stain

Roofing
Mfg: CertainTeed Belmont Asphalt Shingles
Color: Black Granite



Roofing
Standing Seam Metal
Color: Dark Bronze

Garage Door
9'-0" x 18'-0" Insulated Metal
Color: Matte Black

Metal Siding at Garage
Color: Dark Bronze

Windows and Doors
Mfg: Alan Bradley Cityline
Color: Bronze

Exterior Lighting
Mfg: Hinkley Mist 22" Sconce
Color: Bronze

Entry Door
Solid Wood
Color: Custom Stain

Entry Door Hardware
Emtek Lausanne Full Plate with Helios Interior Lever
Color: Bronze

All product and design specifications, including, but not limited to, color, finish, model, etc., are for illustrative purposes only and are subject to change without notice.

Perspective 1

DISCLAIMER: All plans, renderings, specifications and marketing materials are subject to revisions and modifications at Developers sole discretion due to site specific grading conditions, availability of materials, availability of labor, manufacturer supply shortages, and Governmental Agency changes. All plans and specifications are subject to revisions and conditions of approval by the Minturn North Design Review Board, Town of Minturn City Council, Town of Minturn Design Review Board, Town of Minturn Building Permit Department and all other applicable regulatory agencies. Artist renderings have been provided for illustrative and marketing purposes only and should not be relied upon as a basis for purchasing. Color, materials and design elements are subject to refinement and revision without notice at Developers sole discretion.

Minturn North - Lot 7

EGGERS ARCHITECTURE, INC

AXIS VU DESIGN

DRB Design Review - 3D Views

May 17, 2024

Resort Concepts

Perspective 2

DISCLAIMER: All plans, renderings, specifications and marketing materials are subject to revisions and modifications at Developers sole discretion due to site specific grading conditions, availability of materials, availability of labor, manufacturer supply shortages, and Governmental Agency changes. All plans and specifications are subject to revisions and conditions of approval by the Minturn North Design Review Board, Town of Minturn City Council, Town of Minturn Design Review Board, Town of Minturn Building Permit Department and all other applicable regulatory agencies. Artist renderings have been provided for illustrative and marketing purposes only and should not be relied upon as a basis for purchasing. Color, materials and design elements are subject to refinement and revision without notice at Developers sole discretion.

Minturn North - Lot 7

EGGERS ARCHITECTURE, INC

AXIS VU DESIGN

DRB Design Review - 3D Views

May 17, 2024

Resort Concepts

BOMBARD RESIDENCE

186 MILES END LANE
LOT 07, MINTURN NORTH
MINTURN, COLORADO

DRB SUBMITTAL SET — MAY 17, 2024
REVISED DRB SUBMITTAL — JUNE 14, 2024

NOTE: ALL SITE & LANDSCAPE PLANS, FLOOR PLANS, ELEVATIONS & DETAILS ARE SUBJECT TO TOWN OF MINTURN DESIGN REVEIW BOARD APPROVAL

OWNER'S REPRESENTATIVE
RESORT CONCEPTS
PO BOX 5127
EDWARDS, COLORADO 81632
(970) 926-1720

ARCHITECT
EGGERS ARCHITECTURE, INC
PO BOX 798
KREMMLING, COLORADO 80459
(970) 409-9790

STRUCTURAL ENGINEER
SUNDQUIST DESIGN GROUP
PO BOX 676
CONIFER, COLORADO 80433
(970) 838-2222

LANDSCAPE ARCHITECT
TOMINA TOWNSEND
PO BOX 3000
EDWARDS, COLORADO 81632
(303) 945-5252

CIVIL ENGINEER
BOUNDARIES UNLIMITED, INC.
923 COOPER AVENUE, SUITE 201
GLENWOOD SPRINGS, COLORADO 81601
(970) 945-5252

SURVEYOR
SLAGLE SURVEY SERVICES
PO BOX 751
EAGLE, COLORADO 81631
(970) 471-1499

PROJECT INFORMATION:

FLOOR AREA:	FINISHED	MECH	GARAGE	TOTAL
ENTRY LEVEL:	2,020 SF	53 SF	917 SF	2,990 SF
MAIN LEVEL:	2,828 SF			2,828 SF
TOTALS:	4,848 SF	53 SF	917 SF	5,818 SF

LOT AREA:	6,882.48 SF		
BUILDING COVERAGE:	3,154 SF	45.83 %	50% ALLOWABLE
IMPERVIOUS COVERAGE:	4,127 SF	59.96 %	60% ALLOWABLE

CODE INFORMATION:

JURISDICTION: TOWN OF MINTURN, COLORADO

CODES: 2021 INTERNATIONAL RESIDENTIAL CODE
2021 INTERNATIONAL ENERGY CONSERVATION CODE
+ LOCAL AMENDMENTS

DRAWING SCHEDULE

C COVER

FINAL PLAT MINTURN NORTH P.U.D.
C7 MINTURN NORTH P.U.D. OVERALL GRADING PLAN

C1 SITE GRADING, DRAINAGE & EROSION CONTROL PLAN
C2 CIVIL DETAILS
L1 LANDSCAPE PLANTING PLAN
L2 LANDSCAPE SCHEDULES & DETAILS

A1.1 ENTRY LEVEL PLAN
A1.2 MAIN LEVEL PLAN
A1.3 ROOF PLAN
A2.1 BUILDING ELEVATIONS
A2.2 BUILDING ELEVATIONS
BH1 BUILDING HEIGHT CALCULATIONS

DISCLAIMER: ALL PLANS, RENDERINGS, SPECIFICATIONS AND MARKETING MATERIALS ARE SUBJECT TO REVISIONS AND MODIFICATIONS AT DEVELOPERS SOLE DISCRETION DUE TO SITE SPECIFIC GRADING CONDITIONS, AVAILABILITY OF MATERIALS, AVAILABILITY OF LABOR, MANUFACTURER SUPPLY SHORTAGES, AND GOVERNMENTAL AGENCY CHANGES. ALL PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS AND CONDITIONS OF APPROVAL BY THE MINTURN NORTH DESIGN REVIEW BOARD, TOWN OF MINTURN CITY COUNCIL, TOWN OF MINTURN DESIGN REVIEW BOARD, TOWN OF MINTURN BUILDING PERMIT DEPARTMENT AND ALL OTHER APPLICABLE REGULATORY AGENCIES. ARTIST RENDERINGS HAVE BEEN PROVIDED FOR ILLUSTRATIVE AND MARKETING PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS A BASIS FOR PURCHASING. COLOR, MATERIALS AND DESIGN ELEMENTS ARE SUBJECT TO REFINEMENT AND REVISION WITHOUT NOTICE AT DEVELOPERS SOLE DISCRETION.

EGGERS ARCHITECTURE, INC.
PO BOX 798 KREMMLING, CO 80459
(970) 724-3411 CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

BOMBARD
186 MILES END LANE
LOT 07, MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L07

ISSUED #	DATE	BY	COMMENTS
9	6-14-24	DUE	REVISED DRB SUBMITTAL
8	5-17-24	DUE	DRB SUBMITTAL SET

C

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

MINTURN TOWN CERTIFICATE

This plat is approved by the town council of the Town of Minturn, County of Eagle, State of Colorado this 1 day of MARCH, 2024 for filing with the Clerk and Recorder of the County of Eagle, Colorado, and for conveyance of the dedications shown hereon; subject to the provisions that approval in no way obligates the Town of Minturn for financing or construction of improvements of said lands, streets or easements dedicated to the public, except as specifically agreed to by the Town Council of the Town of Minturn.

WITNESS MY HAND AND THE SEAL OF THE TOWN OF MINTURN
TOWN COUNCIL OF THE TOWN OF MINTURN

BY: _____ ATTEST: _____

MAYOR
TOWN OF MINTURN, COLORADO

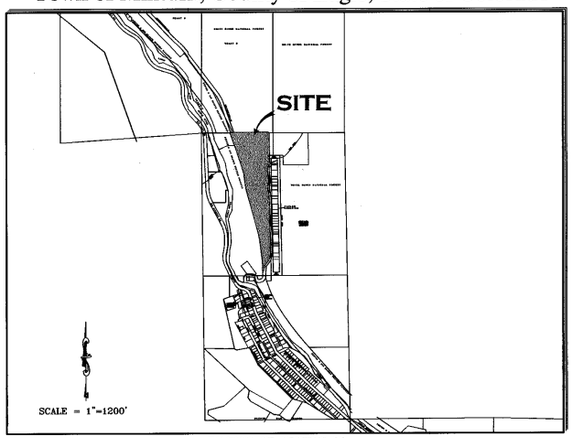
TOWN CLERK
TOWN OF MINTURN, COLORADO

SEAL
TOWN OF MINTURN COLORADO
1904

LAND USE TABLE

LOT	USE	AREA	ADDRESS
1	SINGLE FAMILY	0.196 Acres	0246 Miles End Lane
2	SINGLE FAMILY	0.189 Acres	0236 Miles End Lane
3	SINGLE FAMILY	0.193 Acres	0226 Miles End Lane
4	SINGLE FAMILY	0.181 Acres	0216 Miles End Lane
5	SINGLE FAMILY	0.191 Acres	0206 Miles End Lane
6	SINGLE FAMILY	0.166 Acres	0196 Miles End Lane
7	SINGLE FAMILY	0.158 Acres	0186 Miles End Lane
8	SINGLE FAMILY	0.166 Acres	0176 Miles End Lane
9	SINGLE FAMILY	0.164 Acres	0166 Miles End Lane
10	SINGLE FAMILY	0.164 Acres	0156 Miles End Lane
11	SINGLE FAMILY	0.164 Acres	0146 Miles End Lane
12	SINGLE FAMILY	0.172 Acres	0136 Miles End Lane
13	SINGLE FAMILY	0.157 Acres	0126 Miles End Lane
14	SINGLE FAMILY	0.176 Acres	0112 Miles End Lane
15	SINGLE FAMILY	0.209 Acres	0096 Miles End Lane
16	SINGLE FAMILY	0.263 Acres	0070 Miles End Lane
17	SINGLE FAMILY	0.189 Acres	0243 Miles End Lane
18	SINGLE FAMILY	0.200 Acres	0221 Miles End Lane
19	SINGLE FAMILY	0.165 Acres	0201 Miles End Lane
20	SINGLE FAMILY	0.164 Acres	0185 Miles End Lane
21	SINGLE FAMILY	0.164 Acres	0171 Miles End Lane
22	SINGLE FAMILY	0.166 Acres	0155 Miles End Lane
23	SINGLE FAMILY	0.174 Acres	0141 Miles End Lane
24	SINGLE FAMILY	0.185 Acres	0125 Miles End Lane
25	SINGLE FAMILY	0.166 Acres	0111 Miles End Lane
26	SINGLE FAMILY	0.202 Acres	0095 Miles End Lane
27	SINGLE FAMILY	0.199 Acres	0083 Miles End Lane
28	SINGLE FAMILY	0.160 Acres	0071 Miles End Lane
29	SINGLE FAMILY	0.159 Acres	0057 Miles End Lane
30	SINGLE FAMILY	0.158 Acres	0043 Miles End Lane
31	SINGLE FAMILY	0.178 Acres	0031 Miles End Lane
32	SINGLE FAMILY	0.177 Acres	0017 Miles End Lane
33	SINGLE FAMILY	0.176 Acres	0003 Miles End Lane
34	SINGLE FAMILY	0.103 Acres	0036 Silver Star Trail
35	SINGLE FAMILY	0.103 Acres	0030 Silver Star Trail
36	SINGLE FAMILY	0.103 Acres	0024 Silver Star Trail
37	SINGLE FAMILY	0.103 Acres	0018 Silver Star Trail
38	SINGLE FAMILY	0.099 Acres	0008 Silver Star Trail
39	SINGLE FAMILY	0.129 Acres	0001 Silver Star Trail
Tract B	OPEN SPACE	2.958 Acres	
Tract C	Town Property	0.904 Acres	0052 Minturn Road (Not of PUD)
Tract D	Right of Way	0.966 Acres	Miles End Lane (North)
Tract D1	Right of Way	0.431 Acres	Miles End Lane (South)
Tract E	Open Space	1.220 Acres	
Tract F	Open Space	0.074 Acres	
Tract G	Right of Way	0.030 Acres	Silver Star Trail
Tract H	Right of Way	0.369 Acres	Fourth Street
TOTAL		13.485 ACRES	

ADDRESSES ARE FOR INFORMATIONAL PURPOSES ONLY



PORTION OF SECTION 26,
TOWNSHIP 5 SOUTH, RANGE 81 WEST, 6th P.M.

GENERAL NOTES AND NOTES FOR CREATED EASEMENTS:
1) The purpose of this Final Plat is to Create various lots with building envelopes, open space areas and tracts, along with easements and Right of Ways, for the purposes described herein, all pursuant to Town of Minturn Land Use Regulations and Colorado Revised Statutes concerning the subdivision of land.
2) Basis of Bearing: N27°04'04" W between monuments marking the C-W 16th Corner and the Northwest Corner Section 26, Township 5 South, Range 81 West, of the 6th P.M., shown and described herein. This bearing is based on the non-recorded stamped Land Survey Plat performed by Eagle Valley Survey and dated August 7, 2018.
3) Survey Date: December, 2022 through July 2023.
4) Legal description, easements and location of boundary lines are based on Old Republic National Title Insurance Company order number no. ABC50650645-9, dated August 03, 2023, Quitclaim Deed recorded December 02, 2014 as Reception No. 201420764 along with plats and survey monumentation referenced hereon (to include the non-recorded stamped Land Survey Plat performed by Eagle Valley Survey and dated August 7, 2018). In regards to items referenced in schedule B II of this title commitmeat referenced above: Items 1-8, 10, 21, 24, 27 and 30 were not researched by surveyor or found to not contain easement restrictions or other survey or platting related issues.
Item 9 - Pipe easement does not effect this platted parcel, falls in Northeast Quarter of the Northwest Quarter of Sec 26, T5S, R81W.
Item 11&12- Ordinance and Dedication regarding Taylor Avenue. Depicted hereon by eastern Boundary, recorded in Book 248 at Page 178 and Book 248 at Page 452.
Item 13 - 20 foot Sewer Easement, Does not effect this platted Parcel.
Item 14 - Conveyance to State Department of Highways, Does not Effect these platted lands.
Item 15 - Does not effect these Platted lands but references vacation of portions of Taylor Addition to the Town of Minturn.
Item 16 - effects subject parcel as it is an Annexation of property to Town of Minturn recorded in Book 333 at Page 349.
Item 17 & 18- Do not effect subject Parcel.
Item 19 - Conveyance described in Book 687 at Page 268 does not contain any easements not already defined hereon.
Item 20 - Does not effect these Platted lands. (a.k.a. subject parcel)
Item 22 - Public Service Company of Colorado Easement, Reception No. 897924, falls off subject Parcel.
Item 23 - Boundary Agreement recorded as Reception No. 200824177, called out as adjoiner hereon.
Item 25 & 26 - Parcel is subject to Mapping of Piping and Ditches in area of this subject parcel defined in document recorded as Reception No. 201703240, and 201703454 any rights or restrictions and exact location thereof not clear to surveyor from face of documents.
Item 29 - Parcel is subject to 1904 40 foot wide easement for right of way from Denver Rio Grand Railroad to Eagle County, the location of which is not determinable from face of document. This Agreement has is to have been Terminated prior to the Recording of this Plat.
5) These platted lands are subject to:
- The Minturn North P.U.D. Guide recorded as Reception no. 202402232.
- The Declarations of Covenants, Conditions, Restrictions and Easements for Minturn North recorded as Reception No. 202402240.
- The non-exclusive Heritage Utility Easement as shown herein on page five (5) - on, over, under, above, across and through those areas designated hereon as "Heritage Utility Easement" as defined in document recorded in the Eagle County Clerk and Recorder's Office as Reception No. 202316489 .

PERTAINING TO HEREON CREATED EASEMENTS:
6) the owner, hereby reserves for themselves their successors and / or assigns the following non-exclusive easements created herein:
a) a non-exclusive utility and drainage easement as shown herein - on, over, under, above, across and through those areas designated hereon as "Utility and Drainage Easement" AND those areas of each lot outside of Building Envelopes, for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.
b) a non-exclusive Utility Easement as shown herein - on, over, under, above, across and through those areas designated hereon as "Utility Easement" for the purpose of the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress.
c) non-exclusive Access, Utility, and Drainage, Easement - on, over, under, above, across and through those areas designated hereon as "Access, Utility and Drainage Easement", and "Private Right of Way" to include, but not limited to, areas shown as Fourth Street, Tract D, Tract D1 and Tract G, for the purpose of i) Ingress and Egress, reasonable Pedestrian use including ingress and egress of persons including vehicle, foot, bicycle or small wheel use ii) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, and iii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.

GENERAL NOTES CONTINUED:
6) Continued...
d) Tract D, Tract D1, and Tract G, shall be open to Public vehicular and non- vehicular access.
e) Any Easement that permits public recreation on Private Property shall benefit from the provision of C.R.S. 33-41-101 et seq..

FOLLOWING CREATED EASEMENTS DEDICATED TO TOWN OF MINTURN:
7) the owner, hereby dedicates to the Town of Minturn the following non-exclusive easements:
a) non-exclusive Utility, Drainage, Parking, Snow Storage and Landscape Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Parking, Snow Storage & Landscape Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) the installation, use, repair, replacement, improvement and maintenance of vehicular parking area, together with right of ingress and egress thereto, reasonable Pedestrian use including ingress and egress of persons to include vehicle, foot, bicycle or non-motorized use, iv) reasonable local snow storage and v) Landscaping use, and maintenance.
b) non-exclusive Utility, Drainage, Snow Storage, Landscape and Trail Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Snow Storage, Landscape and Trail Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) reasonable local snow storage, iii) Landscaping use, and maintenance along with v) Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with sidewalk or path construction, use and repair.
c) non-exclusive Utility, Drainage, Snow Storage and Landscape Easement on, over, under, above, across and through those areas designated hereon as "Utility, Drainage, Snow Storage & Landscape Easement" for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvement and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto, iii) reasonable local snow storage and iv) Landscaping use, and maintenance.
d) non-exclusive Trail Easement on, over, under, above, across and through those areas designated hereon as "Trail Easement" for the purpose of Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with sidewalk or path construction, use and repair.
e) a non-exclusive trail easement on, over, across, and through those strips of land depicted and designated herein as "4' Trail Easement" on sheet 5 of 5 for Pedestrian and Trail use including reasonable ingress and egress of persons to include foot, bicycle or non-motorized use along with path construction, or use. Maintenance of any path improvements within the "4' Pedestrian Easement" shall be at the sole cost and expense of the Minturn North P.O.A..
f) a non-exclusive utility and drainage easement as shown herein - on, over, under, above, across and through those areas designated hereon as " Public Utility and Drainage Easement" , as shown in Tract C, on sheet 2 of 5, for the purpose of i) the installation, use, repair, replacement, improvement and maintenance of utilities of any kind, including but not limited to waterlines and hydrants, sanitary sewerlines and manholes, telephone lines, cable television lines, gaslines, electrical lines, fiber optic lines, other communication lines and all related structures, together with right of ingress and egress, ii) storm drainage, drainage of water flow from other lands along with the installation, use, repair, replacement, improvemeat and maintenance of surface drainage structures including but not limited to swales, gutters, ditches, culverts, together with right of ingress and egress thereto.

SURVEYOR'S CERTIFICATE

I, Matthew S. Slagle, do hereby certify that I am a Professional Land Surveyor licensed to practice land surveying under the laws of the State of Colorado, That this Subdivision Plat is a true, correct and complete plat of MINTURN NORTH P.U.D., as laid out, platted, dedicated and shown hereon. that such plat was made from an accurate survey of said property by me and /or under my supervision and accurately shows the location and dimensions of the lots, easements and rights-of-way of said plat as the same are nonumented upon the ground in compliance with applicable regulation governing the subdivision of land, that such plat is based upon the professional land surveyor's knowledge, information and belief, that it has been prepared in accordance with applicable standards of practice, and that such plat is not a guaranty or warranty, either expressed or implied.

COLORADO REGISTERED 34998 PROFESSIONAL LAND SURVEYOR
02-26-24

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

Revised 02-07-24 Edited C.O.D. MSS
Revised 12-02-23 Edited Note 6a MSS
Revised 11-14-23 minor text MSS
Revised 11-07-23 Certain Dimensions MSS
Revised 11-06-23 Tract C Easements MSS
Revised 11-03-23 Town Comments MSS
Revised 10-11-23 Town Comments MSS
Revised 10-06-23 Town Comments MSS
Revised 09-26-23 Added Note regarding Tract C MSS

NOTICE: ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVERED SUCH DEFECT. IN NO EVENT, MAY, ANY ACTION BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF CERTIFICATION SHOWN HEREON.

CERTIFICATE OF DEDICATION AND OWNERSHIP AND PHILIP HADLEY

Know all men by these presents that Minturn Crossing LLC, being sole owner in fee simple, mortgagee or lienholder, of all that real property situated in the Town of Minturn, County of Eagle, State of Colorado described as follows:
Parcel 1, UPRR Subdivision according to the Final Plat thereof recorded on 13th, day of December, 2023 as Reception No. 202316483 in the Office of the Eagle County Clerk and Recorder, Eagle County, Colorado.
Containing 13.485 acres more or less; and has caused the same to be laid out, platted and subdivided, and designated as MINTURN NORTH P.U.D. subdivision in the Town of Minturn, County of Eagle, State of Colorado, and does hereby accept responsibility for the completion of the improvements required by this plat, and does hereby accept responsibility for the completion of the improvements required by this plat and does hereby dedicate and set aside the following tracts, parcels and easements as follows:
-To the Town of Minturn Tract H (Fourth Street) and the easements described and depicted hereon in General Note 7, together with associated public improvements.
-To Utility Providers such utility easements as depicted herein in which utility infrastructure is located.

OWNER: MINTURN CROSSING LLC
ADDRESS: 225 Main Street, Suite C-101
Edwards, Colorado 81632

BY: RICK HERMES
TITLE: MANAGER

STATE OF COLORADO)
)SS
COUNTY OF EAGLE)

THE FOREGOING CERTIFICATE OF DEDICATION AND OWNERSHIP WAS ACKNOWLEDGED BEFORE ME THIS 4 DAY OF MARCH, A.D, 2024 BY RICK HERMES AS MANAGER OF MINTURN CROSSING LLC.

MY COMMISSION EXPIRES: 6 AUG 27

CHRISTINE THURSTON
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20154031002
MY COMMISSION EXPIRES 08/06/2027

WITNESS MY HAND AND OFFICIAL SEAL

NOTARY PUBLIC

SUBORDINATION BY MORTGAGEE

Philip Hadley, being the holder of a promissory note secured by deed of trust recorded the 13th day of December 2023, at Reception No. 202316490, in the Office of the Clerk and Recorder of Eagle County, Colorado, hereby consents to the Subdivision of the lands set forth in this Final Plat of Minturn North, P.U.D., and subordinates the lien represented by the aforesaid Deed of Trust to the Dedications and restrictions as shown on this final plat and relative covenants, conditions and restrictions.

MORTGAGEE: Philip Hadley
BY: _____ as INDIVIDUAL

STATE OF COLORADO)
) §
COUNTY OF EAGLE)

The Foregoing Subordination by Mortgagee was acknowledged before me this 26 day of FEBRUARY, 2024, By Philip Hadley as Individual.

WITNESS MY HAND AND OFFICIAL SEAL.

MY COMMISSION EXPIRES: AUG. 01, 2025

NOTARY PUBLIC

JESSICA L BECHARD
NOTARY PUBLIC - STATE OF COLORADO
Notary ID #20134048864
My Commission Expires 8/1/2025

CERTIFICATE OF TAXES PAID

I, the undersigned, do hereby certify that the entire amount of taxes and assessments due and payable as of JANUARY 1, 2023, 2023 upon all parcels of real estate described on this Plat are paid in full.

DATED THIS 1ST OF MARCH, A.D., 2024

R0068101

TREASURER OF EAGLE COUNTY

TITLE CERTIFICATE

LAND TITLE does hereby certify that it has examined the title to all lands shown upon this plat and that title to such is vested in MINTURN CROSSING LLC free and clear of all liens, taxes, and encumbrances, except DEED OF TRUST recorded 12/13/23, 202316490

DATED THIS 28TH DAY OF FEBRUARY, A.D., 2024

AGENT: _____

CLERK AND RECORDER'S CERTIFICATE # 5398

This Plat was filed for record in the Office of the Clerk and Recorder at 12:59 o'clock P.M., on this 4th day of March, A.D, 2024

CLERK AND RECORDER

BY: _____ DEPUTY

SLAGLE SURVEY SERVICES
800 Castle Drive - P.O. Box 751 Eagle, Colorado 81631
970.471.1499 Office matthew@slaglesurvey.com
www.SlagleSurvey.com

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

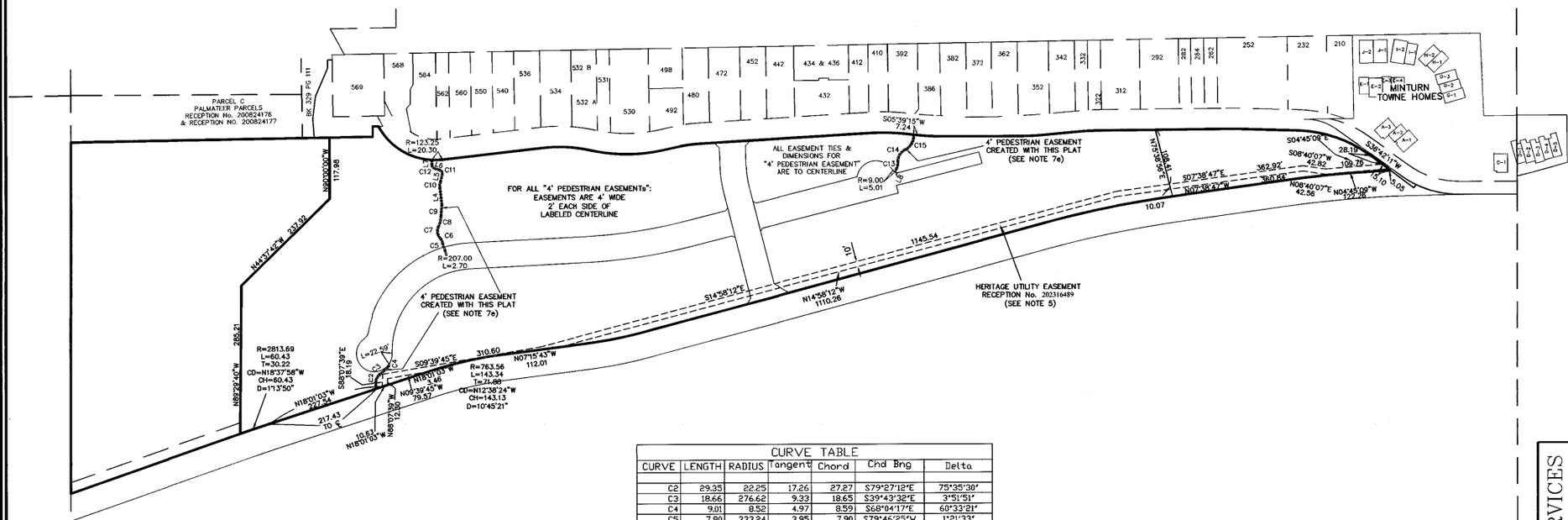
DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 1 OF 5		DATE: 08-13-2023

Eagle County, CO
Regina O'Brien
Pgs: 5
REC: $53.00 DOC: $0.00
02234
03/04/2024
12:59:18 PM

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 5 OF 5

ADDITIONAL EASEMENT DETAIL SHEET



LINE TABLE		
LINE	LENGTH	BEARING
L4	32.13	N83°15'49"E
L5	14.91	S77°04'30"E
L6	11.48	N18°26'21"E
L7	9.83	S89°36'46"E
L8	7.28	N62°43'18"W

CURVE TABLE						
CURVE	LENGTH	RADIUS	Tangent	Chord	Chd Brng	Delta
C2	29.35	22.25	17.26	27.27	S79°27'12"E	75°35'30"
C3	18.66	276.62	9.33	18.65	S39°43'32"E	3°51'51"
C4	9.01	8.52	4.97	8.59	S68°04'17"E	60°33'21"
C5	7.90	333.24	3.95	7.90	S79°46'25"W	1°21'33"
C6	11.08	18.95	5.70	10.93	N63°41'55"E	33°30'33"
C7	24.01	20.01	13.69	22.68	S81°19'10"W	68°45'04"
C8	20.65	49.15	10.48	20.50	S76°20'24"E	24°04'13"
C9	22.78	236.37	11.40	22.77	S85°36'54"E	5°31'15"
C10	12.77	20.27	6.60	12.56	S83°06'39"E	36°05'40"
C11	9.29	7.31	5.39	8.68	N57°19'55"E	72°46'53"
C12	8.09	6.45	4.68	7.57	N54°28'07"E	71°50'14"
C13	15.45	30.72	7.89	15.28	S77°07'28"E	28°48'21"
C14	27.14	23.79	15.26	25.69	S58°50'20"E	65°22'36"
C15	35.79	30.20	20.33	33.73	S60°06'18"E	67°54'31"

100 0 50 100 200 400

1 INCH = 100 FEET

COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR
34998
02-26-24

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

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800 Castle Drive - P.O. Box 751 Eagle, Colorado 81631
970.471.1499 Office matthew@slaglesurvey.com
www.SlagleSurvey.com

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

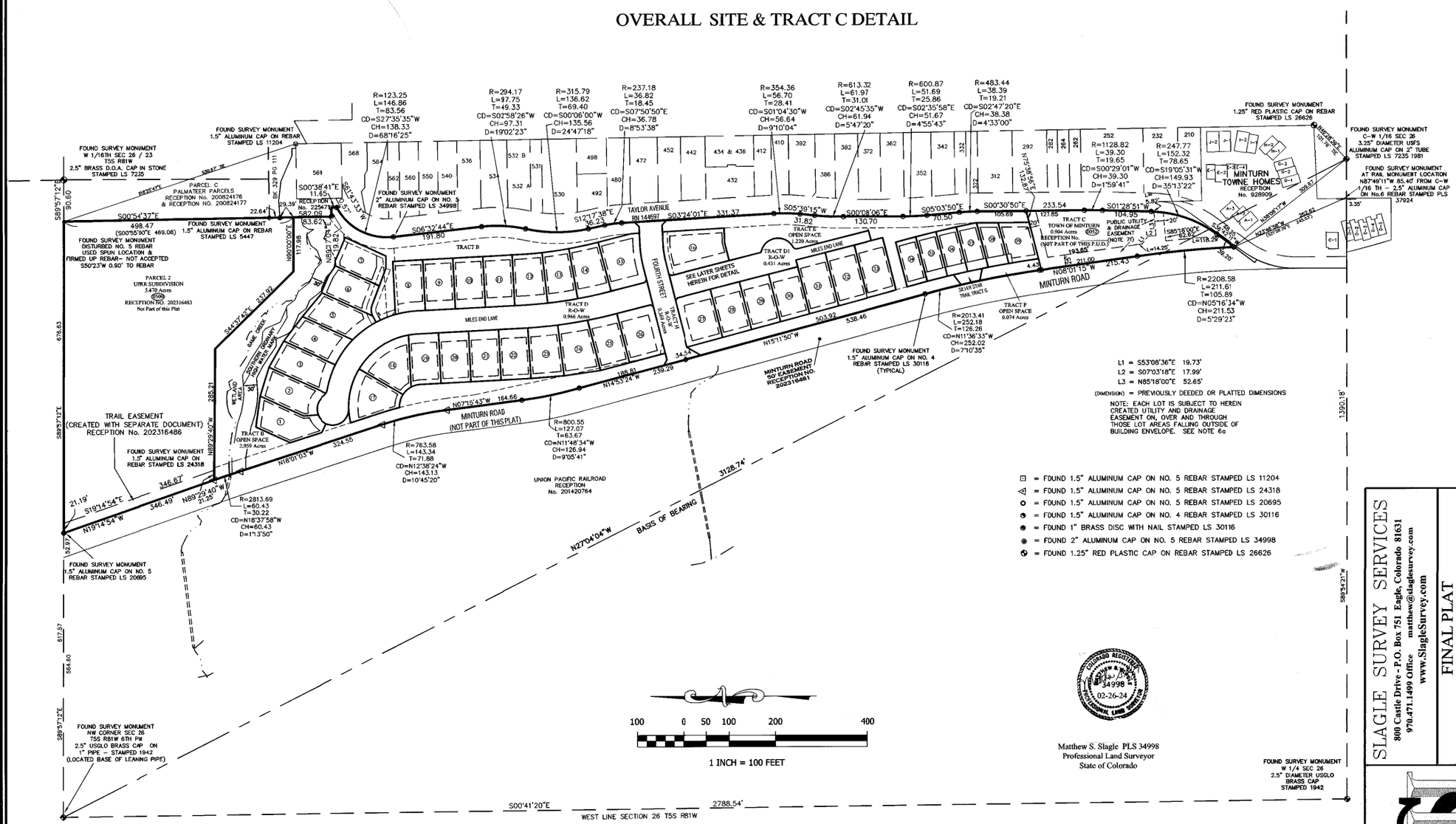
DRAWN BY: MSS | JOB NUMBER: 23055 | DRAWING NAME: 23055 FP2.dwg | DATE: 08-13-2023 | SHEET: 5 OF 5

202402234

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 2 OF 5

OVERALL SITE & TRACT C DETAIL



Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

COLORADO REGISTERED LAND SURVEYOR MATTHEW S. SLAGLE 34998 02-26-24 PROFESSIONAL LAND SURVEYOR

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MINTURN NORTH P.U.D.
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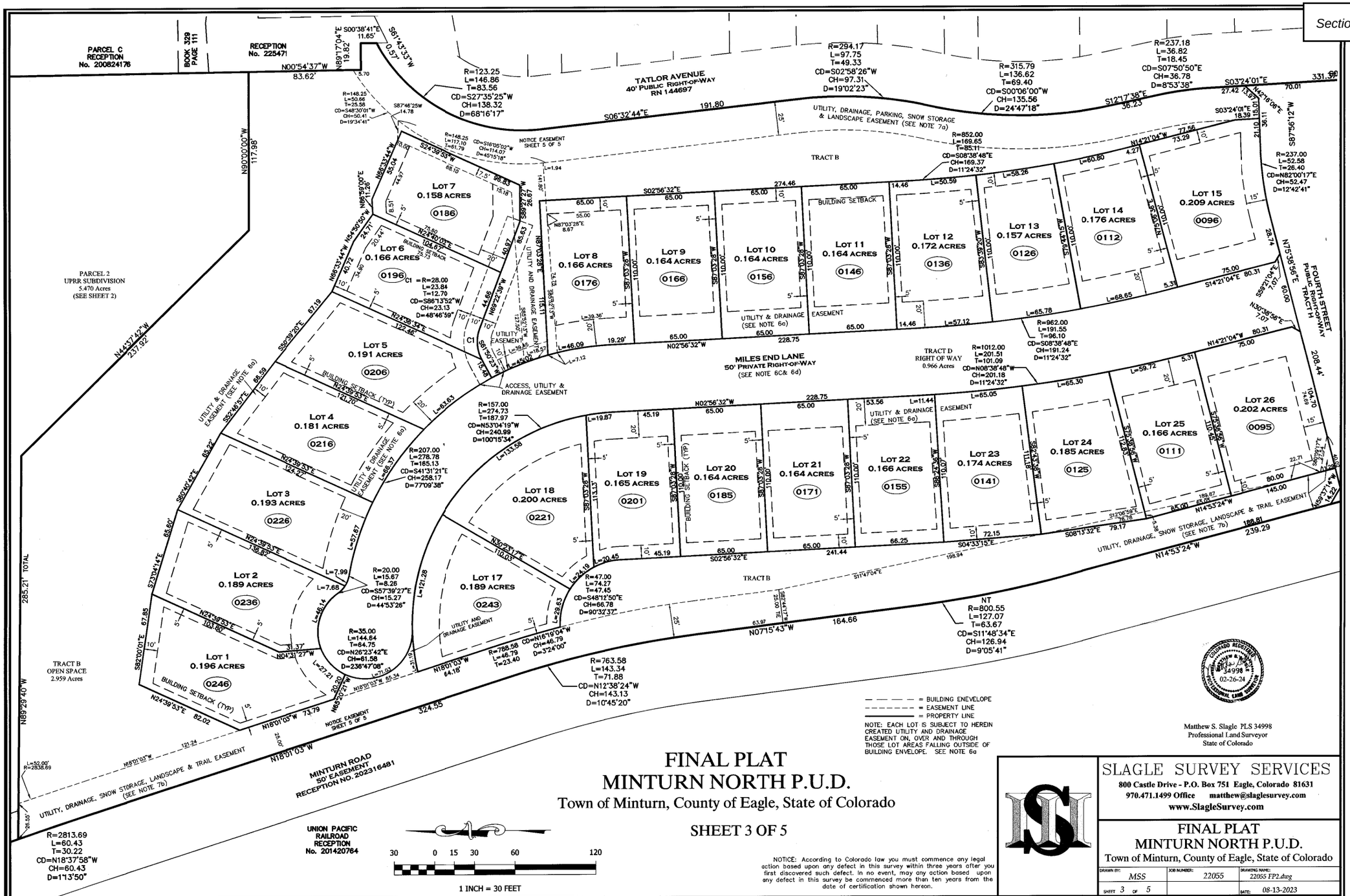
MSS	22055	22055 FP2.dwg	08-13-2023

SHEET 2 OF 5

202402234



NOTE: EACH LOT IS SUBJECT TO HEREIN CREATED UTILITY AND DRAINAGE EASEMENT ON, OVER AND THROUGH THOSE LOT AREAS FALLING OUTSIDE OF BUILDING ENVELOPE. SEE NOTE 6a

FINAL PLAT
MINTURN NORTH P.U.D.

Town of Minturn, County of Eagle, State of Colorado

SHEET 3 OF 5

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discovered such defect. In no event, may any action based upon any defect in this survey be commenced more than ten years from the date of certification shown hereon.

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

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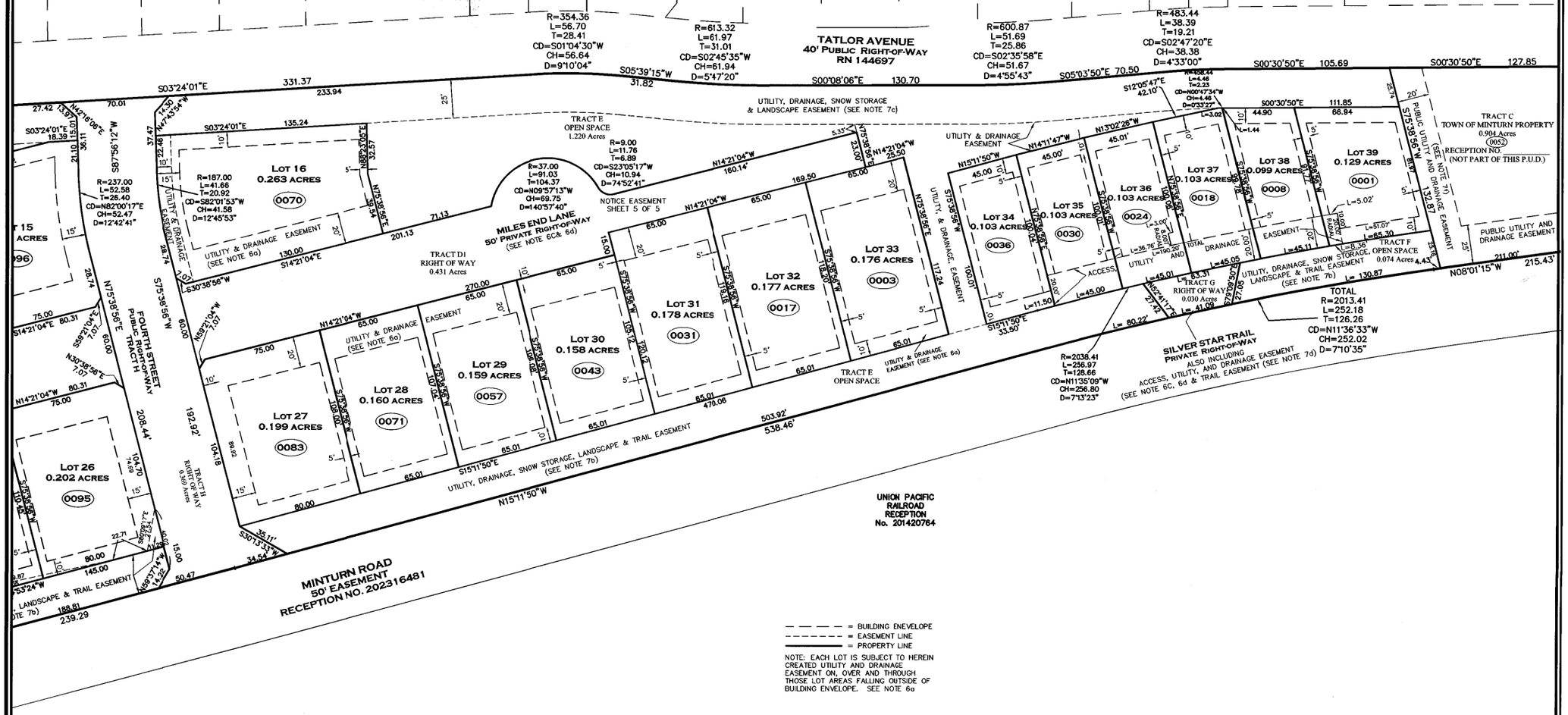
DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 3 OF 5		DATE: 08-13-2023

202402234

FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

SHEET 4 OF 5



COLORADO REGISTERED
MATTHEW S. SLAGLE
34998
12-26-2024
PROFESSIONAL LAND SURVEYOR

Matthew S. Slagle PLS 34998
Professional Land Surveyor
State of Colorado

30 0 15 30 60 120
1 INCH = 30 FEET

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FINAL PLAT
MINTURN NORTH P.U.D.
Town of Minturn, County of Eagle, State of Colorado

DRAWN BY:	JOB NUMBER:	DRAWING NAME:
MSS	22055	22055 FP2.dwg
SHEET 4 OF 5		DATE: 08-13-2023

202402234

KEYMAP

INSTALL TRAPEZOIDAL DITCH, 24" DEEP, 12' BOTTOM WIDTH W 2:1 SIDESLOPES, NAG P550 AS SHOWN ON SHEETS E.4 & E.5. W 12' CHECK DAMS WHERE SHOWN, SEE DETAIL SHT. DT.R4

(OC-48) INSTALL TRAPEZOIDAL DITCH, 24" DEEP, 12' BOTTOM WIDTH W 2:1 SIDESLOPES, NAG P550 AS SHOWN ON SHEETS E.4 & E.5. W 12' CHECK DAMS WHERE SHOWN, SEE DETAIL SHT. DT.R4

CONSTRUCT FIFTY FOUR (54) 20'x9' PARKING SPACES. REMOVE TOPSOIL, SLOPE AT 4% FROM EDGE OF EXISTING ASPHALT, 6" GRAVEL DEPTH, OR 6" ASPHALT MILLING DEPTH (ALTERNATE)

(OC-25) INSTALL TRAPEZOIDAL DITCH, 24" DEEP, 36" BOTTOM WIDTH W 2:1 SIDESLOPES, NAG P550 AS SHOWN ON SHEETS E.4 & E.5. W 12' CHECK DAMS EVERY 50 FT, SEE DETAIL SHT. DT.R4

LOCATE 3' x 3' MIN. SITE BOULDERS TO BE SPACED AT REAR OF PARKING STALL FOR AUTO SAFETY. BOULDERS TO BE PLACED 18" UNDERGROUND WITH 18" ABOVE GROUND.

WHERE CROSSING DRAINAGE CHANNEL INSTALL RIPRAP ON BOTTOM AND SIDE SLOPES OF CHANNEL. SEE RIPRAP DETAIL SHEET DT-R1.

SHAPE CURB TO ACCEPT DRAINAGE CHANNEL FROM ABOVE

6% TO BUILDING SETBACK

LOCATION OF GRAVEL FOOT PATH TO BE LOCATED IN THE FIELD, SEE SECTION ON DT.R1

TRANSITION TO 12 FT. WIDE DRIVEWAY TO LOT

INSTALL TEMPORARY EROSION CONTROL FABRIC PER SHEET E.5 ON THE 2:1 SLOPE IN FRONT OF LOTS 1-7. PERMANENT SLOPE PROTECTION AND/OR REGRADING TO BE INCLUDED ON THE BUILDING PERMIT PLANS

MATCH TO SHEET C.6

BUILDING SETBACK, TYP.

6% TO BUILDING SETBACK

INCREASED BERM HEIGHT TO 7 FEET ABOVE THE INUNDATION CHANNEL GRADE

GAME CREEK 100 YEAR FLOOD PLAIN LIMITS PER WRIGHT WATER ENGINEERING, INC.

GAME CREEK

MILES END LANE

EARTHWORK FILL MATERIAL PLACED BETWEEN MILES END ROAD AND THE BUILDING SETBACK SHALL BE MOISTURE CONTROLLED AND COMPACTED TO 95% STANDARD PROCTOR, TYP.

DEFLECTION BERM:
HEIGHT=2.5' MIN., TYP. (SEE EXCEPTIONS)
TOP WIDTH=5.0' MIN.
SIDE SLOPES= 2.5:1 MAX.
THE PURPOSE OF THIS DEFLECTION BERM IS TO DEFLECT THE 100-YEAR MUD FLOW EVENT AS ANALYZED BY WRIGHT WATER ENGINEERS [FIGURE 2, MINTURN NORTH PUD, MUD AND DEBRIS FLOW ANALYSIS, JOB NO. 191-092.050, DATED NOVEMBER 2023]. THE BERM AS SHOWN HAS BEEN RAISED ABOVE THAT OF THE WRIGHT WATER ENGINEERS ANALYSIS FROM THAT DATE.

MATCH TO SHEET C.6

EARTHW
MILES EI
SHALL B
COMPAC

Boundaries Unlimited Inc.
Civil Engineering
Surveying
& Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: **TBD**

If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

COLORADO LICENSED
BRUCE D'LEMEN
5/1/24
19082
PROFESSIONAL ENGINEER

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 20' 40'
Scale: 1" = 20'

811 Know what's below. Call before you dig.

TOWN OF MINTURN, COLORADO

Minturn North P.U.D.

Overall Grading and Drainage Plan
Construction Plan Set 5/1/24

No.	Date	Revision	By
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			

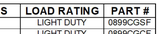
PROJECT NO.
22036
Designer:
PAH
Drafter:
BUI
Date:
12/25/22

Sheet
C.7

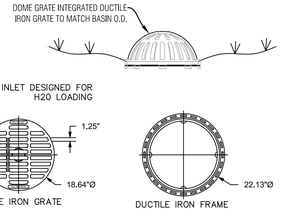
File Name: **22036 c-grading.dwg**

N:\PROJECTS\2022\22036-Minturn North\dwg\22036 C-Grading.dwg 5/15/2024 3:01 PM

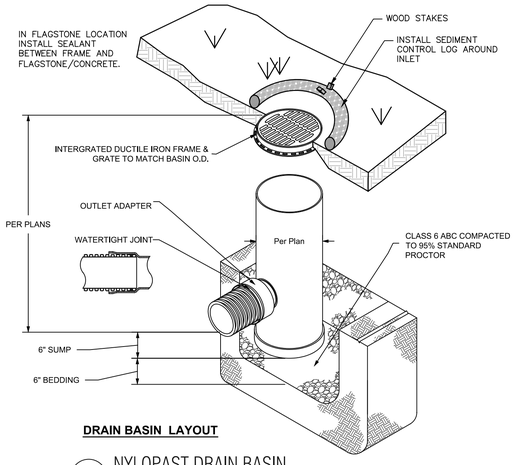
1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
2 - CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
3 - STANDARD DRAIN BASIN HAS FIXED ADAPTER LOCATIONS OF 0° & 180°. CUSTOM DRAIN BASIN ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL) & PVC SEWER (4" - 24").



GRATE OPTIONS	LOAD RATING	PART #
STANDARD	LIGHT DUTY	0899CGSF
SOLID COVER	LIGHT DUTY	0899CGCF
BRONZE	N/A	0899CGBF
DOME	N/A	0899CGDF
DROP IN GRATE	LIGHT DUTY	0801DI

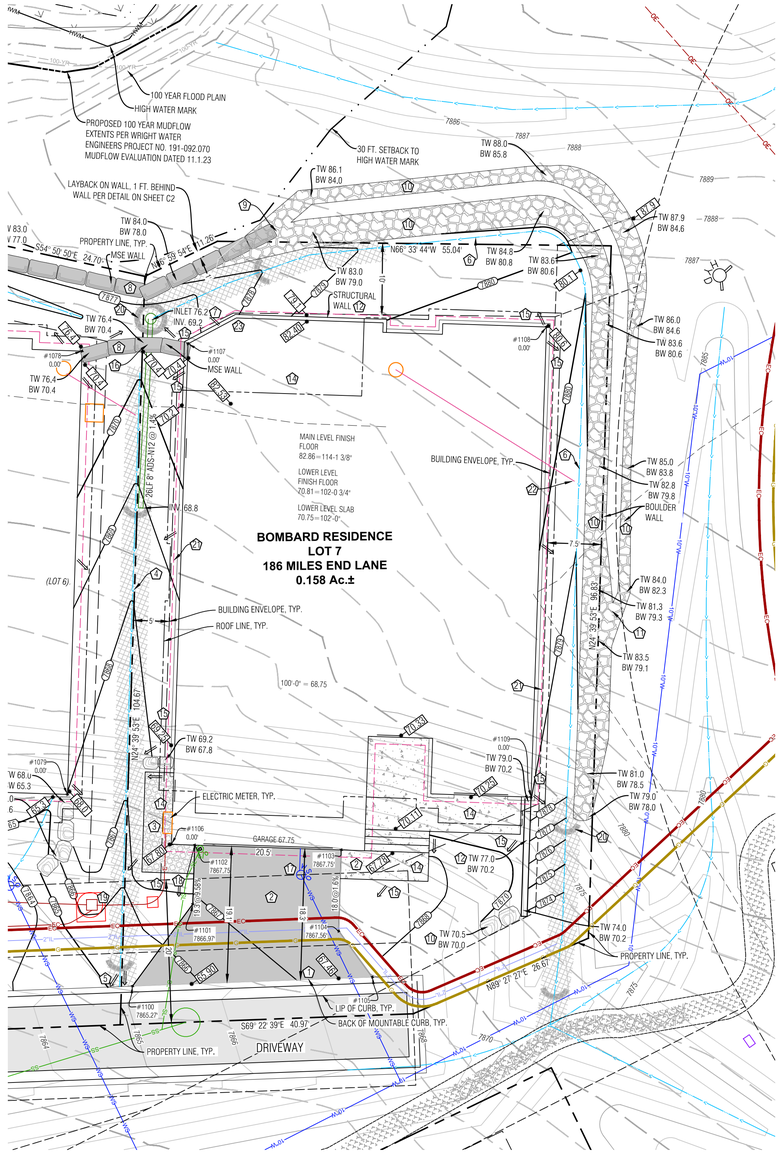


STANDARD GRATE ASSEMBLY



DRAIN BASIN LAYOUT

NYLOPAST DRAIN BASIN
N.T.S.
8 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL
7001-110-272



LEGEND

TW	TOP OF WALL
BW	BOTTOM OF WALL
GB	GRADE BREAK
EX	EXISTING
LP	LOW POINT
HP	HIGH POINT
86.75	PROPOSED SPOT ELEVATION
	DRAINAGE SWALE
	FLOW ARROW
SCF	SEDIMENT CONTROL FENCE
8020 / 8018	PROPOSED MAJOR/MINOR CONTOUR
8020 / 8018	EXISTING MAJOR/MINOR CONTOUR
	EROSION LOGS
	ASPHALT DRIVEWAY & AUTOCOURT
	NORTH AMERICAN GREEN SC-250BN EROSION CONTROL FABRIC OR RIPRAP ALTERNATIVE
	FLAGNOTE
	EX CURB STOP
PROPOSED / EXISTING E	POSSIBLE ELECTRIC SERVICE
G	POSSIBLE GAS SERVICE
WS	POSSIBLE WATER SERVICE
SL	POSSIBLE SEWER SERVICE
	FOUNDATION DRAIN
6"SD	DOWNSPOUT & STORM DRAIN WITH SIZE
	MSE WALL
	BOULDER WALL

Point Table				
Point #	Desc.	Elev.	North	East
1100	Driveway	7865.27'	4317.88	5538.43
1101	Driveway	7866.97'	4325.20	5550.64
1102	Driveway	7867.75'	4332.69	5554.08
1103	Driveway	7867.75'	4324.13	5572.71
1104	Driveway	7867.56'	4313.82	5567.97
1105	Driveway	7867.82'	4306.06	5569.82
1106	House Corner	0.00'	4334.05	5551.12
1107	House Corner	0.00'	4397.66	5580.33
1108	House Corner	0.00'	4380.43	5627.44
1109	House Corner	0.00'	4320.68	5600.00

NOTES:

1) BASIS OF ELEVATION: NAVD88 BASED ON THE ORIGINAL TOPOGRAPHIC MAP OF MINTURN NORTH PREPARED BY GORE RANGE SURVEYING, LLC., JOB NO. 19-1203, DATED 4/1/21. NO BENCHMARK WAS NOTED ON THE BASE SURVEY.

2) THE BOUNDARY DIMENSIONS, EASEMENTS AND RIGHTS OF WAY SHOWN HEREON ARE BASED ON THE FINAL PLAT OF MINTURN NORTH PUD, AND SURVEY CONTROL MONUMENTS FOUND AT THE TIME OF THE SURVEY AND SHOWN ON THE SURVEY REFERENCED ABOVE.

3) SEE ADDITIONAL SITE NOTES & DETAILS ON SHEET C2.

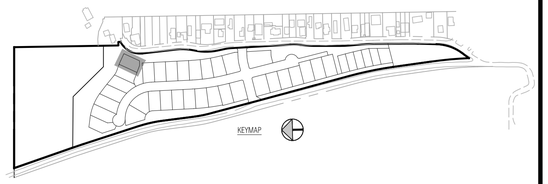
4) EXISTING CONTOUR INTERVAL IS 1 FT., PROPOSED CONTOUR INTERVAL IS 1 FT.

5) LOT AREA: 6,884 SF ±
DISTURBANCE AREA: 6,884 SF ±

6) THIS (CIVIL) PLAN SET IS INTENDED TO BE PLOTTED IN COLOR. FAILURE TO DO SO MAY RESULT IN MISSING DATA & INFORMATION CRITICAL TO THE PROJECT.

FLAGNOTES:

1. MATCH TO BACK OF EXISTING CURB.
2. PROPOSED ASPHALT DRIVEWAY, AUTO-COURT AND CONCRETE WALKWAYS. STRUCTURAL FILL UNDER THE BUILDING TO FOLLOW THE DIRECTION OF THE GEOTECH REPORT. ALL EARTHWORK CONSTRUCTION TO BE APPROVED BY THE GEOTECHNICAL ENGINEER.
3. PERVIOUS SANDSET PAVERS RE: ARCHITECTURAL
4. PROVIDE DRAINAGE SWALE AS SHOWN, WITH NORTH AMERICAN GREEN SC250 EROSION FABRIC OR RIPRAP WHERE SLOPE EXCEEDS 5%, SEE DETAIL.
5. FAN OUT DRAINAGE SWALE TO EVENLY DISSIPATE DRAINAGE. TYP., SPILL THE LOCAL CHANNEL OVER THE TOP OF THE CURB LINE.
6. CREATE DRAINAGE SWALE, LOCATE FLOWLINE AT LEAST 1 FT. HORIZONTALLY AND 6" VERTICALLY LOWER FROM BASE OF WALL. INSTALL NORTH AMERICAN GREEN SC250 EROSION FABRIC WHERE SLOPE EXCEEDS 5%.
7. INSTALL 8' NYLOPLAST DRAIN BASIN WITH DOME GRATE. SEE DETAIL ON THIS SHEET SHAPE & DRAIN ALL SURROUNDING AREA TO LOW POINT WHICH IS THE INLET. NO DRAINAGE ALLOWED TO RETAINING WALL. INSTALL HEAT TAPE IN BASIN AND OUTLET PIPE.
8. MSE WALL WHERE WALL HEIGHT EXCEEDS 4 FT, PER DETAIL ON SHEET C2. WALL DRAIN LINES NOT SHOWN.
9. TRANSITION FROM MSE WALL TO SPLIT BOULDER WALL.
10. INSTALL BOULDER WALL FOR LANDSCAPE AREAS PER THE DETAIL ON SHEET C2. WALL DRAIN LINES NOT SHOWN.
11. TRANSITION FROM SPLIT BOULDER WALL TO SINGLE TIER.
12. STRUCTURAL WALL RE: STRUCTURAL.
13. SLOPE PATIOS, DECKS AND WALKS AT 2% MIN. AWAY FROM THE STRUCTURE.
14. GRADE AROUND THE PERIMETER OF BUILDING AS NECESSARY 10% FOR 5-FEET MIN. (10 FT. WHERE POSSIBLE) IN UNPAVED AREAS TO ENSURE PROPER DRAINAGE AWAY FROM THE FOUNDATION. IT WILL BE IMPORTANT TO CONSTRUCT AND DIRECT SURFACE DRAINAGE AWAY FROM BUILDING, WALKS AND WALLS TO EITHER THE AUTOCOURT, THE OUTLET SWALE, OR DOWNWARD SLOPING NATURAL GRADE. VERIFY DRAINAGE AND SWALE INTEGRITY ON A REGULAR BASIS.
15. PROTECT STORM LINES AND UTILITIES WHEN CONSTRUCTING IMPROVEMENTS ABOVE FROM MATERIAL AND EQUIPMENT, TYP.
16. LOCATE EXISTING CURB STOP, CONFIRM LOCATION AND CONNECTION WITH THE WATER & SANITATION DISTRICT, CONNECT AND EXTEND NEW WATER SERVICE TO MECHANICAL ROOM. MAINTAIN COVER OVER NEW SERVICE PER DISTRICT REGULATIONS.
17. APPROXIMATE LOCATION OF SEWER SERVICE STUB. CONNECT AND EXTEND NEW SEWER SERVICE TO MECHANICAL ROOM. MAINTAIN COVER OVER NEW SERVICE PER DISTRICT REGULATIONS, INSTALL CLEANOUTS AT HOUSE EXTERIOR AND ALL BEND LOCATIONS.
18. LOCATE, CONNECT TO, AND EXTEND ELECTRIC, AND COMMUNICATION SERVICES TO METER CABINET. MAINTAIN COVER & CLEARANCES BETWEEN/OVER NEW SERVICES PER UTILITY REGULATIONS
19. EROSION LOGS PER DETAIL ON SHEET C2.
20. FOUNDATION DRAIN, TYP., INSTALL IN ACCORDANCE WITH THE GEOTECHNICAL REPORT. DRAIN @ 0.5% MIN. TO DAYLIGHT, SEE DETAIL ON SHT. C2.
21. EXTEND THE FOUNDATION DRAIN FROM SUMP PUMP IN HOUSE TO DAYLIGHT WITH SOLID PIPE, COVER WITH A RODENT SCREEN AT END.
22. INSTALL HANDRAIL WHERE NECESSARY, RE: ARCHITECT.



Boundaries Unlimited Inc.
Civil Engineering
Surveying
& Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE) Required Project: *TBD*
If "Yes", SUE Certification by:
Firm: *TBD*
Job #: *TBD*
Date: *TBD*

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION Review

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 10' 20'
Scale: 1" = 10'

811 Know what's below. Call before you dig.

TOWN OF MINTURN, COLORADO

Lot 7, Minturn North P.U.D.

Site, Grading and Drainage Plan

Revised DRB Submittal 6/14/24

No.	Date	Revision	By
1.			
2.			
3.			
4.			
5.			
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7.			
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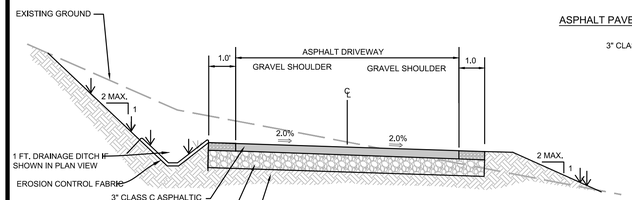
9.			

PROJECT NO. *23028*
Designer: *PAH*
Drafter: *BUI*
Date: *5/10/24*

Sheet *C1*

File Name: *lot 7 sp-01.dwg*

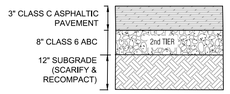
N:\PROJECTS\2023\23035-Minturn North Individual Lots\dwg\Lot 7 Bombard\dwg\Lot 7 SP-01.dwg 6/14/2024 3:03 PM



PROPOSED DRIVEWAY TYP. SECTION

N.T.S. TO BE VERIFIED BY PROJECT GEOTECHNICAL ENGINEER

ASPHALT PAVEMENT SECTION

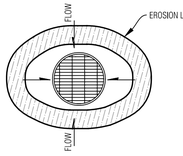


PAVEMENT SECTION

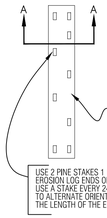
NOTE:
1. ALL AGGREGATE & SUBGRADE MATERIAL SHALL BE COMPACTED TO 95% STANDARD PROCTOR AT A MOISTURE CONTENT WITHIN 2% OF OPTIMUM.
2. IN NEW PAVING LOCATIONS STRIP ALL TOPSOIL, SCARIFY AND RECOMPACT SUBGRADE A MINIMUM OF 12" DEPTH TO 95% STANDARD PROCTOR.
3. EXTEND THE SECOND TIER (12" CLASS 2 ROAD BASE, OR 8" CLASS 6 ROAD BASE) 1 FT. BEYOND EDGE OF PAVEMENT OR GRAVEL SURFACE, BOTH SIDES.

DRIVEWAY & AUTOCOURT SECTION

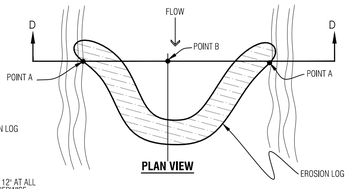
N.T.S. CONTRACTOR TO VERIFY WITH PROJECT GEOTECHNICAL CONSULTANT.



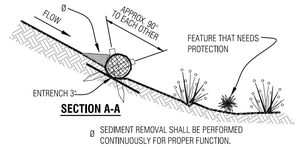
AREA DRAIN



PLAN VIEW

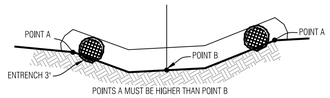


PLAN VIEW



SECTION A-A

Ø SEDIMENT REMOVAL SHALL BE PERFORMED CONTINUOUSLY FOR PROPER FUNCTION.

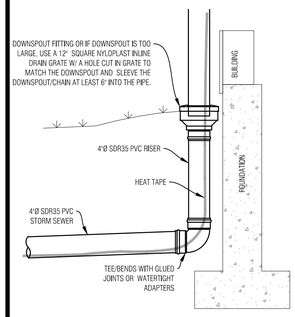


SECTION D-D

Temporary Erosion Control Log

N.T.S.

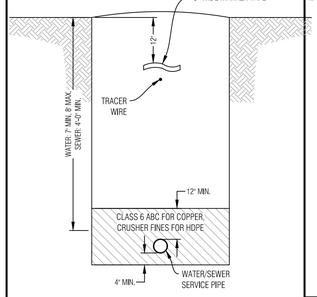
NOTES:
1. ROOF AND AREA DRAINS SHALL NOT BE CONNECTED TO THE FOUNDATION DRAIN SYSTEM.
2. ALL DOWNSPOUTS SHALL BE CONNECTED TO ADS N-12-WT CPP (WATERTIGHT), SCH.40 PVC OR SDR35 PVC. FLEXIBLE CORRUGATED PLASTIC IS NOT ACCEPTABLE.
3. ADDITIONAL FITTINGS AND BENDS MAY BE REQUIRED TO DEFLECT OVER OR AROUND LANDSCAPE WALLS.
4. HEAT TAPE SHALL BE INSTALLED IN ALL DOWNSPOUTS/STORM SEWER PIPES.



TYP. DOWNSPOUT CONNECTION

N.T.S.

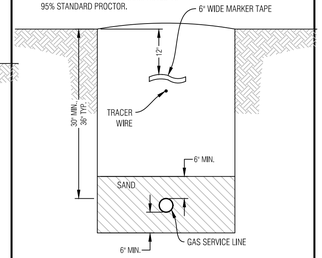
NOTES:
1. WATER SHALL BE INSTALLED WITH AT LEAST 10' OF SEPARATION BETWEEN WATER/SEWER AND 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



WATER/SEWER SERVICE TRENCH

N.T.S.

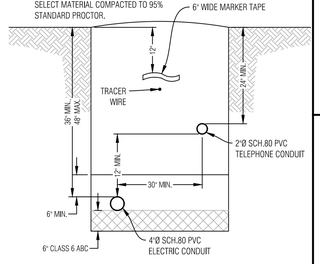
NOTES:
1. GAS SHALL BE INSTALLED WITH AT LEAST 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



GAS SERVICE TRENCH

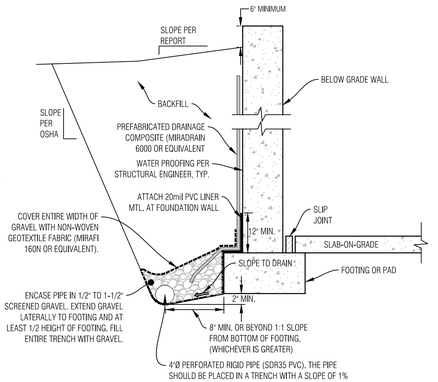
N.T.S.

NOTES:
1. ELECTRIC & TELEPHONE SHALL BE INSTALLED WITH AT LEAST 4' OF SEPARATION BETWEEN OTHER UTILITIES.
2. BACKFILL THE TRENCH WITH 4" MINUS ONSITE SELECT MATERIAL COMPACTED TO 95% STANDARD PROCTOR.



ELECTRIC & COMM. SERVICE TRENCH

N.T.S.



NOTES:
1. THE BOTTOM OF THE DRAIN SHOULD BE AT LEAST 2 INCHES BELOW BOTTOM OF FOOTING AT THE HIGHEST POINT AND SLOPE DOWNWARD TO A POSITIVE GRAVITY OUTLET OR TO A SUMP WHERE WATER CAN BE REMOVED BY PUMPING.
2. CONTRACTOR TO FOLLOW ANY ADDITIONAL RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER

TYPICAL FOUNDATION DRAIN

N.T.S.

CONTRACTOR TO VERIFY WITH PROJECT GEOTECHNICAL CONSULTANT.

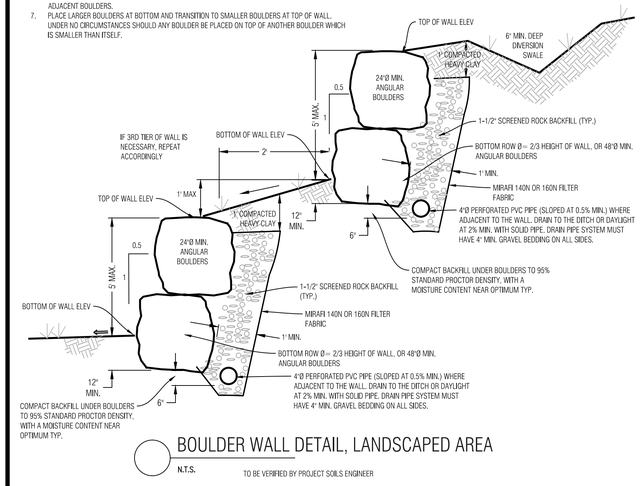
GENERAL NOTES:

1. ALL CONSTRUCTION SHALL MEET OR EXCEED THE CURRENT CONSTRUCTION AND DESIGN STANDARDS ESTABLISHED BY THE DESIGN GUIDELINES AND TOWN OF MINTURN AND BE SUBJECT TO OBSERVATION BY THE TOWN AND THE PROJECT ENGINEER. IN THE EVENT OF CONFLICT PUD GUIDELINES SUPERCEDE TOWN.
2. THIS DESIGN WAS PREPARED WITHOUT THE BENEFIT OF A SUBSURFACE UTILITY ENGINEERING (SUE) STUDY OR MAP. THIS DESIGN HAS BEEN PREPARED FOR A PRIVATE DEVELOPMENT USING EXISTING UTILITY INFORMATION PROVIDED BY OTHERS. EXISTING UTILITIES ARE SHOWN AS THEY ARE BELIEVED TO EXIST, BUT MAY NOT REPRESENT ACTUAL FIELD CONDITIONS. BOUNDARIES UNLIMITED INC. DID NOT CONFIRM ANY DATA PROVIDED OR PERFORM ANY ADDITIONAL RESEARCH OR NOTIFICATION TO ELEVATE THESE PLANS TO SENATE BILL 18-167 STANDARDS, AS SUCH, BOUNDARIES UNLIMITED INC. MAKES NO GUARANTY, EXPRESSED OR IMPLIED, FOR THE LOCATION OF SUBSURFACE UTILITIES CONTAINED WITHIN THIS PLAN SET. IF THE CLIENT AND/OR CONTRACTOR REQUIRES A SUBSURFACE UTILITY ENGINEERING STUDY OR MAP FOR FULL COMPLIANCE WITH SENATE BILL 18-167, THEN A MORE EXHAUSTIVE INVESTIGATION SHALL BE OBTAINED BY THE CLIENT AND/OR CONTRACTOR PRIOR TO COMMENCING WITH ANY CONSTRUCTION. OTHERWISE, PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL CONTACT ALL APPROPRIATE UTILITY COMPANIES FOR LINE LOCATIONS. CONTRACTOR SHALL NOTIFY PROJECT ENGINEER OF ANY POTENTIAL CONFLICTS PRIOR TO UTILITY CONSTRUCTION SO THAT LINE OR GRADE CHANGES CAN BE MADE TO AVOID A CONFLICT WITH ANY EXISTING UTILITY. THE CONTRACTOR SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION AND, AT NO EXPENSE TO THE CLIENT OR PROJECT ENGINEER, REPAIR ANY DAMAGED UTILITIES.
3. ALL EXCAVATIONS FOR UTILITY LINES, RETAINING WALLS, ROADWAYS, BUILDING STRUCTURES, DRAINAGE FACILITIES AND TRENCHES, SHALL MEET THE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), COLORADO INDUSTRIAL COMMISSION, OR THE COLORADO DIVISION OF MINES, WHICH EVER APPLIES. SAFETY IS THE CONTRACTOR'S RESPONSIBILITY. NO OTHER PARTIES ARE RESPONSIBLE FOR SAFETY IN, ON OR ABOUT THE SITE, NOR FOR COMPLIANCE BY THE APPROPRIATE PARTY WITH ANY REGULATIONS RELATING HERETO.
4. COMPACTION MUST BE ATTAINED AND COMPACTION RESULTS SUBMITTED TO THE TOWN AND THE PROJECT ENGINEER PRIOR TO ACCEPTANCE. COMPACTION SHALL MEET OR EXCEED TOWN REGULATIONS. 95% STANDARD PROCTOR DENSITY IS REQUIRED FOR ALL ROADWAY AND DRIVEWAY SUBGRADE CONSTRUCTION AND TRENCH BACKFILL UNDER THE SAME, & 90% STANDARD PROCTOR DENSITY IN LANDSCAPE AREAS, UNLESS NOTED OTHERWISE OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER. SEE SOILS REPORT FOR STRUCTURAL FOUNDATION RECOMMENDATIONS.
5. THE CONTRACTOR SHALL CONTAIN HIS CONSTRUCTION ACTIVITIES TO THE AREA WITHIN THE STREET RIGHT OF WAY AND PROPERTY OWNED, OR EASEMENTS PROVIDED TO OWNER. THE CONTRACTOR SHALL NOT OPERATE OUTSIDE THIS AREA WITHOUT THE PRIOR CONSENT OF THE PROPERTY OWNER INVOLVED. ANY DAMAGE TO PRIVATE PROPERTY BY THE CONTRACTOR OUTSIDE THESE LIMITS WITHOUT THE PERMISSION OF THE PRIVATE PROPERTY OWNER WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL ENSURE DRAINAGE AWAY FROM ALL STRUCTURES IN ALL DIRECTIONS. DO NOT ALLOW WATER TO POND ON-SITE, PROVIDE SWALES TO DRAINAGE STRUCTURES AND RUNOUT. SHALLOW DRAINAGE SWALES HAVE A TENDENCY OVER TIME TO FILL IN & BECOME LESS EFFECTIVE. PERIODIC MAINTENANCE, AT LEAST TWICE A YEAR, IS NECESSARY TO CHECK THE INTEGRITY OF THE SWALE & MAINTAIN DRAINAGE CHARACTERISTICS. BUILDING FOUNDATION WALL HEIGHT TO BE A MINIMUM OF 6" ABOVE FINISH GROUND AT EXTERIOR WALL.
7. THE CONTRACTOR SHALL AT ALL TIMES KEEP TWO FULL SETS OF CONTRACT DRAWINGS MARKED UP TO INDICATE THE AS-BUILT CONDITIONS. THE DRAWINGS SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER UPON COMPLETION OF THE WORK. WHERE PRACTICAL, THE CONTRACTOR IS TO PROVIDE AT LEAST TWO TIES FROM PHYSICAL MONUMENTS TO ALL FITTINGS, VALVES, MANHOLES, AND THE END OF ALL SERVICE LINES.
8. ON-SITE OBSERVATIONS AND REVIEW CONDUCTED BY THE TOWN OR THE PROJECT ENGINEER OF CONSTRUCTION WORK IN PROGRESS ARE NOT TO BE CONSTRUED AS A GUARANTEE OR WARRANTY BY THE TOWN OR THE PROJECT ENGINEER OF THE COMPLETED WORK AND THE CONTRACTOR'S RESPONSIBILITIES.
9. THE CONTRACTOR SHALL TAKE ALL APPROPRIATE PRECAUTIONS TO SIGNIFICANTLY REDUCE ANY POTENTIAL POLLUTION CAUSED BY HIS ACTIVITIES, INCLUDING VEHICLE FUELING, STORAGE OF FERTILIZERS OR CHEMICALS, ETC. THE CONTRACTOR SHALL HAVE IDENTIFIED PROCEDURES FOR HANDLING POTENTIAL POLLUTANTS AND IDENTIFIED SPILL PREVENTION AND RESPONSE PROCEDURES PRIOR TO ANY ACTIVITIES AT THE PROJECT SITE.
10. THE CONTRACTOR SHALL NOT SCALE DRAWINGS FOR CONSTRUCTION PURPOSES. ANY MISSING DIMENSIONS OR DISCREPANCIES IN PLANS, FIELD STAKING, OR PHYSICAL FEATURES SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER. IF THE CONTRACTOR PROCEEDS WITH THE WORK WITHOUT NOTIFYING THE ENGINEER, HE DOES SO AT HIS OWN RISK.
11. DISPOSAL OF TRASH, ASPHALT, CONCRETE AND CONSTRUCTION DEBRIS IS THE CONTRACTORS RESPONSIBILITY AND SHALL BE CONSIDERED PART OF THE WORK.
12. HORIZONTAL & VERTICAL INFORMATION FOR EXISTING PROPERTY LINES, TOPOGRAPHY, ROADWAY, UTILITIES & DRAINAGE STRUCTURES WERE TAKEN FROM THE DESIGN DRAWINGS FOR THE MINTURN NORTH PUD, ALSO SEE LANDSCAPE, ARCHITECTURAL AND STRUCTURAL ENGINEERING PLANS FOR ADDITIONAL BUILDING AND LANDSCAPE INFORMATION.
13. IN NON HARDSCAPE AREAS, GRADE AT A MINIMUM OF 12" IN THE FIRST 5 FEET AWAY FROM THE STRUCTURE, OR AS DIRECTED BY THE GEOTECHNICAL STUDY. EXTERIOR BACKFILL SHOULD BE ADJUSTED TO NEAR OPTIMUM MOISTURE AND COMPACTED TO AT LEAST 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY IN PAVEMENT AREAS AND TO AT LEAST 90% OF THE MAXIMUM STANDARD PROCTOR DENSITY IN LANDSCAPE AREAS. SEE & FOLLOW RECOMMENDATIONS OF THE GEOTECHNICAL SUBSOIL STUDY BY KUMAR & ASSOCIATES, INC. DATED _____, JOB NO. _____
14. ALL PRODUCT INFORMATION SHOWN IS AS PROVIDED BY THE MANUFACTURER. THE CONTRACTOR IS RESPONSIBLE FOR REVIEWING AND COMPLYING WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS FOR THE INSTALLATION OF ALL MATERIALS WITH SPECIAL ATTENTION TO PROPER SEALING OF MATING SURFACES. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER IF ANY DISCREPANCIES ARE FOUND BETWEEN THE DELIVERED PRODUCTS AND THOSE SHOWN ON THIS PLAN.
15. FOUNDATION AND RETAINING WALL DESIGNS TO BE OBTAINED FROM, OR VERIFIED BY THE PROJECT STRUCTURAL OR GEOTECHNICAL ENGINEER.
16. THE FOUNDATION DRAIN SYSTEM SHALL BE INSTALLED PER THE RECOMMENDATION OF THE STRUCTURAL AND GEOTECHNICAL ENGINEERS.
17. THE SURVEYOR RESPONSIBLE FOR STAKING THE FOUNDATION OF THE HOUSE IS RESPONSIBLE TO MAKE SURE HE HAS THE LATEST SITE, FOUNDATION & ARCHITECTURAL PLANS AVAILABLE, ALONG WITH ANY UPDATED LOTLINE, SETBACK & EASEMENT INFORMATION.
18. INSTALL ROOF GUTTERS AND DOWNSPOUTS THAT DISCHARGE WELL BEYOND THE LIMITS OF ALL BACKFILL. CONFIRM DOWNSPOUT DRAINAGE HAS GOOD POSITIVE GRADE RUNNING AWAY FROM THE HOUSE. STORM DRAIN PIPES TO BE INSTALLED WITH 1% MINIMUM SLOPE TO THE OUTFALL POINTS. HEAT TAPE SHALL BE INSTALLED IN ALL EXTERIOR ROOF GUTTERS, DRAIN PIPES, DOWNSPOUTS, AREA DRAINS, TRENCH DRAINS, STORM DRAIN PIPES AND GRATED STRUCTURES.
19. LANDSCAPING WHICH REQUIRES REGULAR HEAVY IRRIGATION SUCH AS SOD, AND LAWN SPRINKLER HEADS SHOULD BE LOCATED AT LEAST 10 FEET FROM FOUNDATION WALLS.
20. ACCUMULATED SNOWFALL SHALL BE REMOVED TO GRASS AREA TO ENSURE THAT PROPER DRAINAGE AWAY FROM THE BUILDING IS MAINTAINED.
21. FINISH GRADE & SPOT ELEVATIONS AT THE EXTERIOR OF THE STRUCTURE ASSUME THAT THE FOUNDATION WALLS EXTEND ABOVE THE BUILDING FINISH FLOOR & HANGER FLOOR JOISTS ARE USED. EXTERIOR GRADE TO BE A MINIMUM OF 6" BELOW TOP OF FOUNDATION WALL. THE FOUNDATION WALL HEIGHT MAY NEED TO BE EXTENDED IN ORDER TO ACHIEVE POSITIVE DRAINAGE AWAY FROM THE STRUCTURE.
22. INSTALL DEEP & SHALLOW UTILITY SERVICES ACCORDING TO RESPECTIVE UTILITY COMPANY OR METRO DISTRICT SPECIFICATIONS AND REGULATIONS. HORIZONTAL LOCATIONS OF SERVICE LINES ARE SUGGESTIONS ONLY. PROPOSED UTILITY SERVICES TO THE RESIDENCE MAY BE VARIED FROM THE LOCATIONS SHOWN. ALL WATER AND SEWER SERVICES SHALL BE INSTALLED PER METRO DISTRICT REGULATIONS.
23. DRAINAGE PIPES CALLED OUT AS ADS SHALL BE ADVANCED DRAINAGE SYSTEMS N-12 WATER RESISTANT PIPE (ADS N-12-WT) OR ENGINEER APPROVED EQUAL. ALL PIPES SHALL BE INSTALLED WITH WATERTIGHT CONNECTIONS.
24. CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITTING FOR CONSTRUCTION FROM THE APPROPRIATE GOVERNMENTAL ENTITIES.
25. ALL UTILITIES, BOTH UNDERGROUND OR OVERHEAD, SHALL BE MAINTAINED IN CONTINUOUS SERVICE THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE AND LIABLE FOR DAMAGES TO, OR INTERRUPTION OF, SERVICES CAUSED BY THE CONSTRUCTION.

GENERAL NOTES

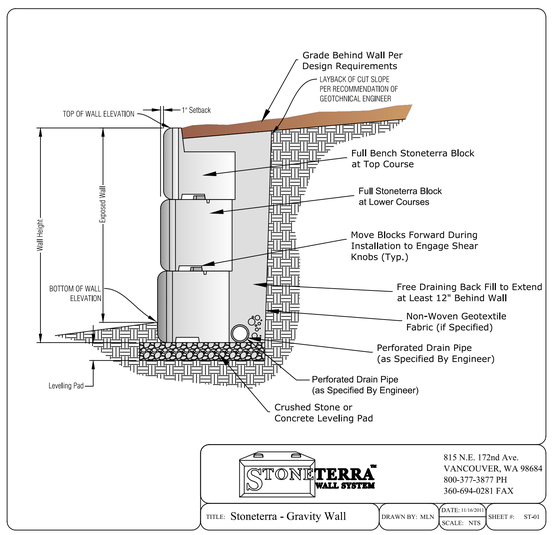
N.T.S.

NOTES:
1. THIS DETAIL IS FOR RETAINING LANDSCAPED AREAS ONLY AND SHALL NOT BE USED TO RETAIN STRUCTURE OR VEHICLE LOADED AREAS.
2. FREE DRAINING WALL BACKFILL SHOULD BE CAPPED WITH AT LEAST 12 INCHES OF COMPACTED HEAVY CLAYS TO REDUCE SURFACE WATER INFILTRATION
3. ROUND RIVER BOULDERS ARE NOT ACCEPTABLE.
4. SET BASE ROWS ON BENCHES WHERE THE TOPSOIL HAS BEEN REMOVED AND THE SUBBASE HAS BEEN SCARIFIED TO 9" MINIMUM DEPTH & RECOMPACTED TO 95% STANDARD PROCTOR.
5. CARE SHOULD BE TAKEN NOT TO OVER COMPACT THE BACKFILL OR USE LARGE EQUIPMENT NEAR THE WALL.
6. SELECT AND PLACE BOULDERS IN A MANNER WHICH PERMITS AT LEAST 30% CONTACT AREA WITH ADJACENT BOULDERS.
7. PLACE LARGER BOULDERS AT BOTTOM AND TRANSITION TO SMALLER BOULDERS AT TOP OF WALL. UNDER NO CIRCUMSTANCES SHOULD ANY BOULDER BE PLACED ON TOP OF ANOTHER BOULDER WHICH IS SMALLER THAN ITSELF.



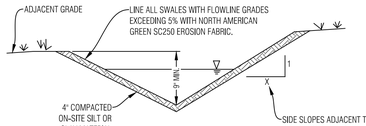
BOULDER WALL DETAIL, LANDSCAPED AREA

N.T.S. TO BE VERIFIED BY PROJECT SOILS ENGINEER



STONETERRA WALL SYSTEM
815 N.E. 172nd Ave.
VANCOUVER, WA 98684
800-377-3877 PH
360-694-0281 FAX

TITLE: Stoneterra - Gravity Wall	DRAWN BY: MLN	DATE: 11/16/2015 SCALE: NTS	SHEET #: ST-01

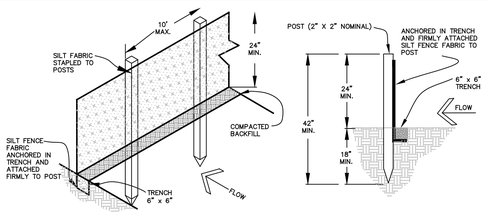


INSTALL EROSION CONTROL FABRIC PER MANUFACTURERS RECOMMENDATIONS

TYPICAL SWALE SECTION

N.T.S. SHAPE DITCH ACCORDING TO SITE PLAN

NOTE
SEE THE GRADING, DRAINAGE AND EROSION CONTROL SHEET FOR SWALE LOCATIONS



EROSION CONTROL NOTES:

1. IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL MEASURES SHALL PRECEDE STRIPPING OF NATIVE VEGETATIVE COVER AND AS GRADING PROGRESSES.
2. ALL TEMPORARY AND PERMANENT SOIL EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE MAINTAINED AND REPAIRED AS NEEDED TO ASSURE CONTINUED PERFORMANCE OF THEIR INTENDED FUNCTION. STRAW BALE DIKES OR SILT FENCING MAY REQUIRE PERIODIC REPLACEMENT. SEDIMENT TRAPS WILL REQUIRE PERIODIC SEDIMENT REMOVAL.
3. INSTALL PERMANENT EROSION FABRIC IN THE FLOW LINES OF DRAINAGE SWALES.

SEDIMENT CONTROL FENCE DETAIL

N.T.S.

Boundaries Unlimited Inc.
Civil Engineering Surveying & Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE) Required Project: **TBD**

If "Yes", SUE Certification by:
Firm: **TBD**
Job #: **TBD**
Date: **TBD**

Engineer or Surveyor Seal

NOT FOR Review CONSTRUCTION

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 10' 20'
Scale: 1" = 10'

811 Know what's below. Call before you dig.

TOWN OF MINTURN, COLORADO

Lot 7, Minturn North P.U.D.

Details and Notes
Revised DRB Submittal 6/14/24

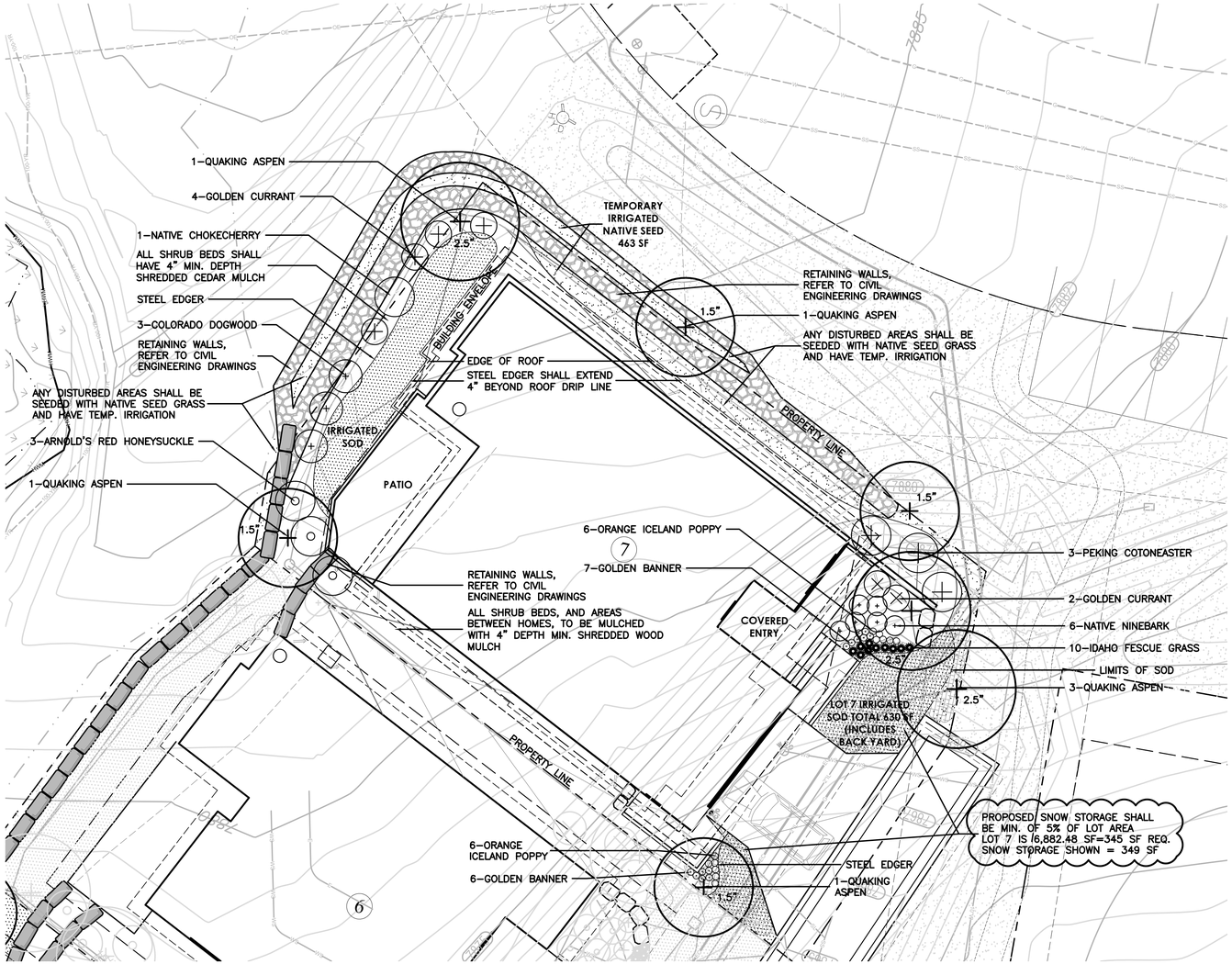
No.	Revision	Date	By
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			

PROJECT NO. **23035**
Designer: **PAH**
Drafter: **BUI**
Date: **5/10/24**

Sheet **C2**

File Name: ***lot 7 sp-01.dwg***

N:\PROJECTS\2023\23035-Minturn North Individual Lots\dwg\Lot 7 Bombard\dwg\Lot 7 SP-01.dwg 6/14/2024 3:03 PM



LEGEND

- IRRIGATED SOD, REFER TO L2 FOR DETAILS
- NATIVE SEED MIX WITH TEMPORARY IRRIGATION, REFER TO L2 FOR DETAILS
- PROPOSED RETAINING WALL, REFER TO CIVIL ENGINEERING FOR DETAILS
- PROPOSED DECIDUOUS TREE
- PROPOSED EVERGREEN TREE
- PROPOSED DECIDUOUS SHRUBS
- PROPOSED ORNAMENTAL GRASSES
- PROPOSED FLOWERING PERENNIALS
- SNOW STORAGE AREA

Know what's **below.** **Call** before you dig.

LANDSCAPE ARCHITECT:
TOMINA TOWNSEND, LA
PO BOX 3000, PMB 301
EDWARDS, CO 81632
P. 303.572.7876
TTownsend@ResortConceptsCO.com

MINTURN NORTH P.U.D.

LOT 7 - LANDSCAPE PLAN

TOWN OF MINTURN, COLORADO

DESIGNED: TT
DRAWN: TT
CHECKED: RH
DATE: May 17, 2024
REVISIONS:

REVISION BASED ON DRB COMMENTS: 6.14.24
VERIFIED SQUARE FEET OF LOT AREA

SCALE: 1"=10'-0"

REVISED DRB SUBMITTAL

SHEET TITLE:

PROPOSED LANDSCAPE PLAN

SCALE: 1"=10'-0"

SHEET NUMBER:

L1

General Notes and Specifications:

1. All areas disturbed by construction and not designated a shrub bed or sod, shall be planted with the specified native grass seed.
2. The contractor shall maintain positive drainage away from all walls and walkways. Fine grading shall be approved prior to planting.
3. The Landscape Plan shall be reviewed on site prior to installation to ensure planting meets the intent of the design guidelines and Town of Minturn standards.
4. See Civil Engineering sheets for final grading and drainage.
5. Snow Storage area shall be a min. of 25% of all driveway and parking areas.

Revegetation Notes:

1. Seed shall be broadcast and raked to ¼" depth.
2. Apply Biodegradable Green Dyed-Wood Celluose-Fiber Mulch to all seeded Areas at a rate of 20 lbs. per 1,000 s.f.
3. Prior to seeding, apply min. 6" topsoil, 10 lbs./1,000 s.f. Superphosphate and 40 lbs./1,000 s.f. Biosol Complete Fertilizer.

Fire Mitigation Recommendations:

1. Zone 1 (15' from building and integral planting): no highly flammable plants, such as evergreen trees and shrubs should be planted within 15' of the structure or attachments.
2. Zone 2 (70' from building and Integral planting): a 10' crown separation must be maintained for all evergreen trees and shrubs over 4' height. A 4' crown separation must be maintained for evergreen shrubs under 4' height.
3. Plants listed on forest service publication 6.305 FireWise Plant Material can be used in any zone.
4. Existing junipers within Zone 1 and Zone 2 must be limbed ⅓ of their total height, but no more than 10' height.
5. Dead limbs shall be removed from all existing Serviceberry within Zone 1 or Zone 2.
6. If necessary, final existing vegetation to be limbed or removed for fire mitigation purposes will be subject to the constraints of the final unit site plans and reviewed on site with a representative from the Town of Minturn on a unit by unit basis prior to construction.

LEGEND & IRRIGATION CALCULATIONS:

Permanent Irrigation		Square Footage of Irrigation
	Permanent Pop–Up Spray Irrigation For Bluegrass Sod	630 SF
	Permanent micro–spray or drip irrigation for perennial beds	25 PERENNIALS x 1 SF = 25 SF
	Permanent Drip Irrigation For B&B Trees	7 TREES x 4.5 SF = 32 SF
	Permanent Drip Irrigation For 5 gal. Shrubs & Grasses	32 SHRUBS x 3 SF = 96 SF
		TOTAL PERMANENT IRRIGATED AREA: 783 SF
	Temporary Spray Irrigation For Native Seed	463 SF

IRRIGATION NOTES:

1. DESIGN CRITERIA: DESIGN AUTOMATIC UNDERGROUND IRRIGATION SYSTEM TO UNIFORMLY IRRIGATE ALL PLANTING AREAS. ZONE IRRIGATED SOD, NATIVE SEED GRASS, AND SHRUB PLANTING AREAS SEPARATELY. PROVIDE DRIP IRRIGATION FOR SHRUB BEDS. PROVIDE MICRO–SPRAY HEADS OR DRIP IRRIGATION, DEPENDING ON PLANT MATERIAL, IN PERENNIAL AND GROUNDCOVER BEDS. DESIGN ROTORS FOR TURF GRASS AREAS MORE THAN 40' WIDE, AND POP–UP SPRAY HEADS FOR AREAS LESS THAN 40' WIDE.
2. ALL TREES AND SHRUBS TO BE DRIP IRRIGATED.

ALL DISTURBED AREAS SHALL BE SEEDED WITH: 'DRY NATIVE MOUNTAIN' SEED MIX

THIS SEED MIX HAS BEEN CHOSEN FOR THE SPECIFIC PROJECT LOCATION AND ELEVATION. LANDSCAPE INSTALLER SHALL NOT DEVIATE FROM THIS REVEGETATION SEED MIX WITHOUT WRITTEN APPROVAL FROM THE RESORT CONCEPTS SITE MANAGER.

COMMON NAME	SEEDING RATE % MIX	BULK LBS PER ACRE
SANDBERG BLUE	10%	5.00
MOUNTAIN BROME	20%	10.00
SLENDER WHEATGRASS	15%	7.50
BLUEBUNCH WHEATGRASS	10%	5.00
ROCKY MOUNTAIN FESCUE	10%	5.00
THICKSPIKE WHEATGRASS	15%	7.50
BOTTLEBRUSH SQUIRRELTAIL	2.5%	1.25
STREAMBANK WHEATGRASS	15%	7.50
PRAIRIE JUNEGRASS	2.5%	1.25
TOTAL LBS./ACRE	100%	50

NOTES:

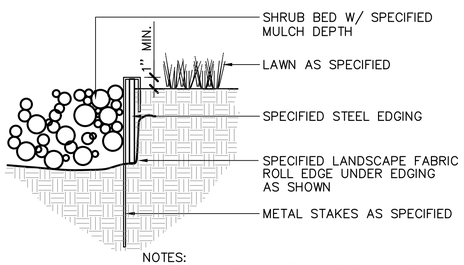
PERCENTAGES OF MIXES VARY YEAR–TO–YEAR DEPENDING ON HARVEST OF SEEDS. HYDROSEED OR HAND BROADCAST: 1 LB. PER 1,000 SQ. FT. OR 50 LBS. PER ACRE. RAKE IN ¼" DEEP AND IRRIGATE, IF POSSIBLE UNTIL ESTABLISHED. 'DRY NATIVE MOUNTAIN' SEED MIX IS AVAILABLE FROM PAWNEE BUTTES SEED INC., 605 25TH STREET, GREELEY, CO 80632.
PHONE: 1–800–782–5947
WEBSITE: PAWNEEBUTTESSEED.COM

PROPOSED PLANT MATERIALS LIST

Note: All plant material has been chosen from the CSU Extension Office recommended plant lists. These lists have been cross referenced to find suitable plants for the elevation of Minturn (10,000 ft and above), and also to maximize use of plants native to the area, low-water use plants, and plants that enhance habitat and food sources for insects, butterflies, birds and other animals. The cross referenced lists are the following:

- CSU Extension, Fire Wise Plant Materials - 6.305
- CSU Extension, Trees and Shrubs for Mountain Areas - Fact Sheet No. 7.423
- CSU Extension, Low-Water Native Plants for Colorado Gardens, Mountains 7,500' and Above - CO Native Plant Society
- CSU Extension, Native Trees for Colorado Landscapes - Fact Sheet No. 7.421
- CSU Extension, Native Shrubs for Colorado Landscapes - Fact Sheet No. 7.422

QUAN.	COMMON/ BOTANICAL NAME	FIRE MITIGATION ZONE	SIZE	COMMENTS
	DECIDUOUS TREES			
4	Quaking Aspen Populus tremuloides	1 & 2	1.5" cal.	Specimen quality B&B, guyed
3	Quaking Aspen Populus tremuloides	1 & 2	2.5" cal.	Specimen quality B&B, guyed
	ORNAMENTAL GRASSES (planted @ 12" O.C. spacing)			
10	Idaho Fescue Grass, Festuca idahoensis 'Siskiyou Blue'	1 & 2	1 gal.	Container Full
	PERENNIAL FLOWERS (planted @ 12" O.C. spacing)			
12	Orange Iceland Poppy Papaver nudicaule	1 & 2	Flats of 15	
13	Golden Banner Thermopsis divaricarpa	1 & 2	Flats of 15	
	DECIDUOUS SHRUBS			
3	Arnold's Red Honeysuckle Lonicera tatarica 'Arnold's Red'	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
3	Colorado Dogwood Cornus sericea coloradense	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
6	Golden Currant Ribes aureum	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
1	Native Chokecherry Prunus virginiana melanocarpa	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.
6	Native Ninebark Physocarpus monogynus	1 & 2	5 gal.	Container, 5 canes minimum 12"–18" ht.
3	Peking Cotoneaster Cotoneaster lucidus	1 & 2	5 gal.	Container, 5 canes minimum 24"–36" ht.



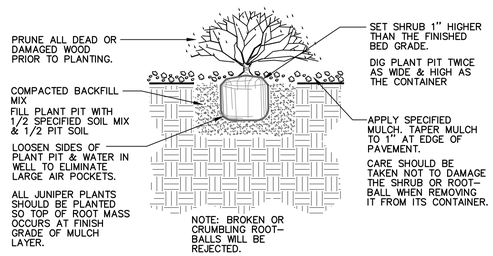
NOTES:
1) SET ALL EDGING 1" ABOVE FINISH GRADE AS SHOWN.

2) EDGING SHALL ABUT ALL CONCRETE CURBS AND WALKS PERPENDICULAR, AND FLUSH W/ GRADES OF CONCRETE.

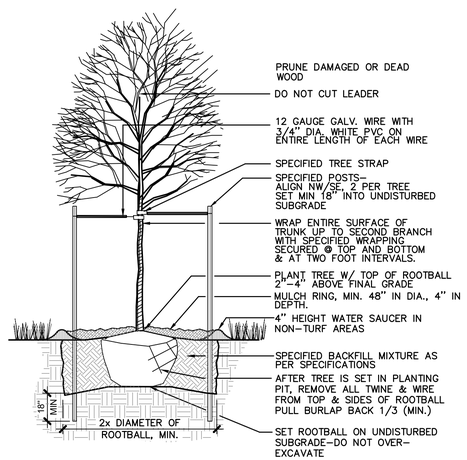
3) ALL JOINTS TO BE SECURELY STAKED.

4) CONTRACTOR SHALL CUT TOP EDGE(S) AS NEEDED TO BE PARALLEL WITH GRADE.

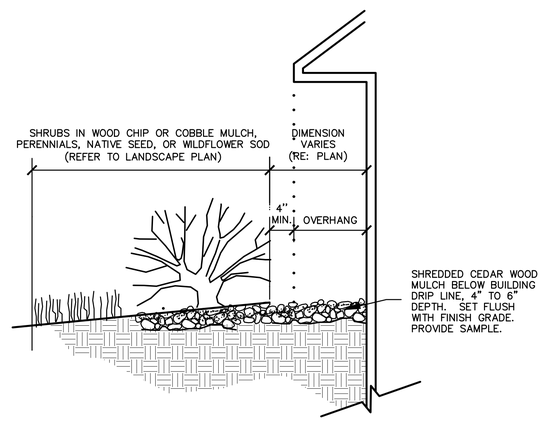
1 L2 STEEL EDGER — NOT TO SCALE



2 L2 SHRUB PLANTING — NOT TO SCALE



3 L2 DECIDUOUS TREE PLANTING — NOT TO SCALE



4 L2 MULCH ARMORED DRIP LINE — NOT TO SCALE

LANDSCAPE ARCHITECT:
TOMINA TOWNSEND, LA
PO BOX 3000, PMB 301
EDWARDS, CO 81632
P. 303.572.7876
TTownsend@ResortConceptsCO.com

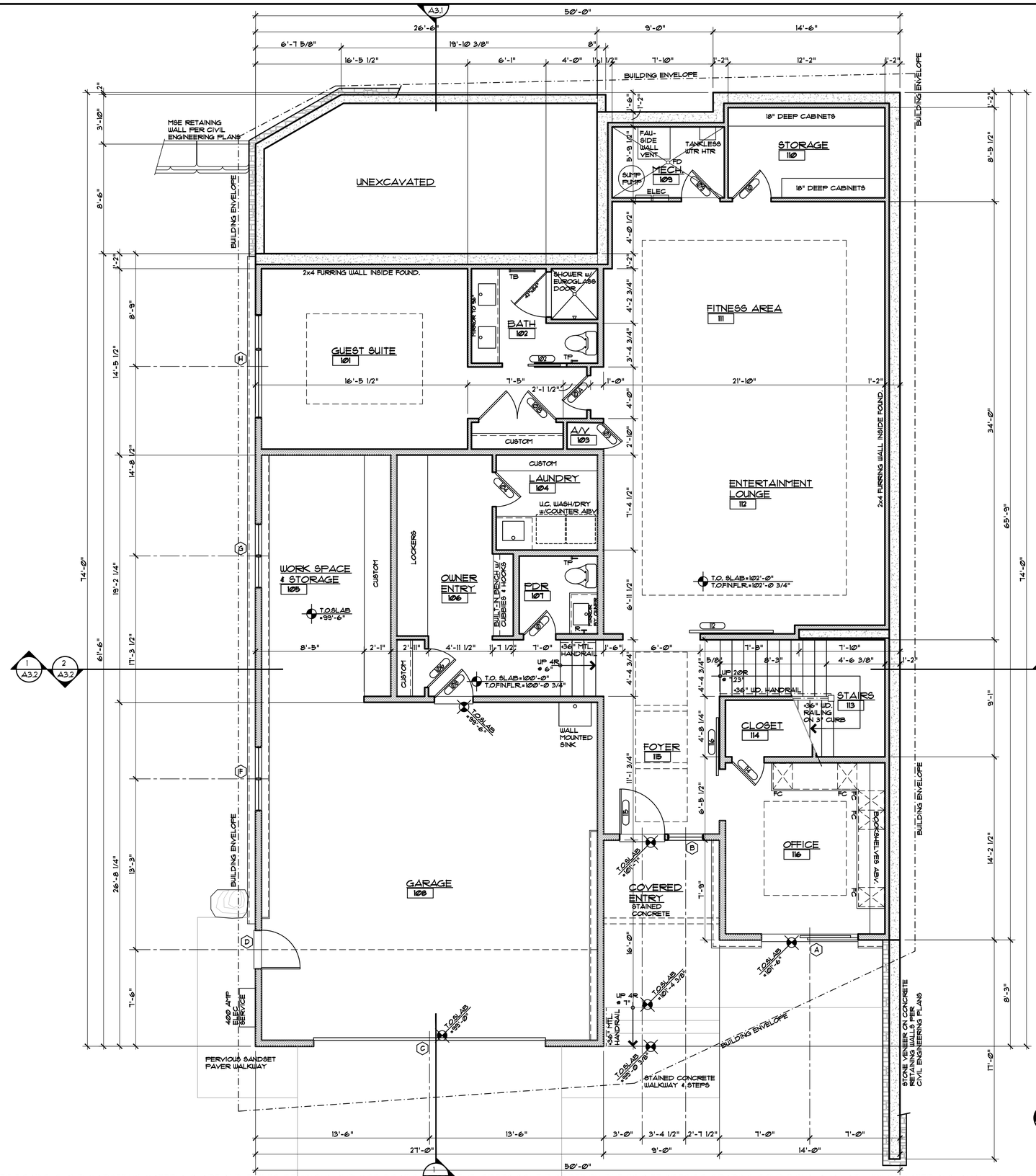
MINTURN NORTH P.U.D.
LOT 7 - LANDSCAPE PLAN
TOWN OF MINTURN, COLORADO

DESIGNED: TT
DRAWN: TT
CHECKED: RH
DATE: May 17, 2024
REVISIONS:
REVISION BASED ON DRB COMMENTS: 6.14.24
VERIFIED SQUARE FEET OF LOT AREA

REVISED DRB SUBMITTAL

SHEET TITLE:
LANDSCAPE NOTES & DETAILS

SCALE: NOT TO SCALE
SHEET NUMBER:
L2



GENERAL NOTES:

1. ALL DIMENSIONS ARE TO FACE OF STUD, FACE OF CONCRETE OR CENTER OF POSTS, UNLESS NOTED OTHERWISE.
2. TOP OF WALL HEIGHTS EQUAL TOP OF FLAT PLATE OR LOWER POINT ON BEVELED WALL PLATES.
3. DO NOT SCALE DRAWINGS. NOTIFY ARCHITECT IMMEDIATELY UPON FINDING ANY DISCREPANCIES IN DOCUMENTS.
4. ALL WORK SHALL COMPLY WITH STATE & LOCAL CODES AND ORDINANCES, BE BUILT TO INDUSTRY STANDARDS AND BE PERFORMED TO THE HIGHEST LEVEL OF CRAFTSMANSHIP.
5. VERIFY ALL FINISHED FLOOR THICKNESS FOR DETERMINING MOUNTING HEIGHTS, STAIR CONSTRUCTION, ETC. (3/4" SHOWN ON PLANS MAY VARY).
6. CABINET LAYOUT, APPLIANCE SPECIFICATIONS, AND ELECTRICAL/LOW VOLTAGE REQUIREMENTS & LOCATIONS NEED TO BE VERIFIED BY GENERAL CONTRACTOR PRIOR TO INSTALLATION.
7. FRAMING CONTRACTOR TO PROVIDE BLOCKING FOR ALL SURFACE MOUNTED ACCESSORIES AND SHALL COORDINATE PLACEMENT WITH ON-SITE SUPERVISOR PRIOR TO INSTALLATION.
8. VERIFY ALL VENTING, DUCTWORK, SUPPLY AND RETURN AIR LOCATIONS W/ HVAC CONTRACTOR PRIOR TO COMPLETION OF FRAMING & ELECTRICAL ROUGH-IN. GENERAL CONTRACTOR TO APPROVE ALL LOCATIONS.
9. DROPPED CEILING AND SOFFIT LOCATIONS SHALL BE APPROVED BY ON-SITE SUPERVISOR AND COORDINATED W/ M.E.P. SUB-CONTRACTORS PRIOR TO INSTALLATION.
10. REFER TO WINDOW MANUFACTURER SHOP DRAWINGS FOR EXACT ROUGH OPENINGS FOR ALL DOORS & WINDOWS. NOTIFY ARCHITECT IMMEDIATELY WITH ANY ISSUES REGARDING HEADERS AND/OR POSTING.
11. ALL INTERIOR DRYWALL IS 5/8" GYPSUM BOARD, U.N.O.

ENTRY LEVEL PLAN

1/4" = 1'-0"

2,010 SF LIVING, 53 SF MECH, 917 SF GARAGE

DISCLAIMER: ALL PLANS, RENDERINGS, SPECIFICATIONS AND MARKETING MATERIALS ARE SUBJECT TO REVISIONS AND MODIFICATIONS AT DEVELOPERS SOLE DISCRETION DUE TO SITE SPECIFIC GRADING CONDITIONS, AVAILABILITY OF MATERIALS, AVAILABILITY OF LABOR, MANUFACTURER SUPPLY SHORTAGES, AND GOVERNMENTAL AGENCY CHANGES. ALL PLANS AND SPECIFICATIONS ARE SUBJECT TO REVISIONS AND CONDITIONS OF APPROVAL BY THE MINTURN NORTH DESIGN REVIEW BOARD, TOWN OF MINTURN CITY COUNCIL, TOWN OF MINTURN DESIGN REVIEW BOARD, TOWN OF MINTURN BUILDING PERMIT DEPARTMENT AND ALL OTHER APPLICABLE REGULATORY AGENCIES. ARTIST RENDERINGS HAVE BEEN PROVIDED FOR ILLUSTRATIVE AND MARKETING PURPOSES ONLY AND SHOULD NOT BE RELIED UPON AS A BASIS FOR PURCHASING. COLOR, MATERIALS AND DESIGN ELEMENTS ARE SUBJECT TO REFINEMENT AND REVISION WITHOUT NOTICE AT DEVELOPERS SOLE DISCRETION.

EGGERS ARCHITECTURE, INC.
PO BOX 798
KREMMLING, CO 80459
(970) 724-3411
CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

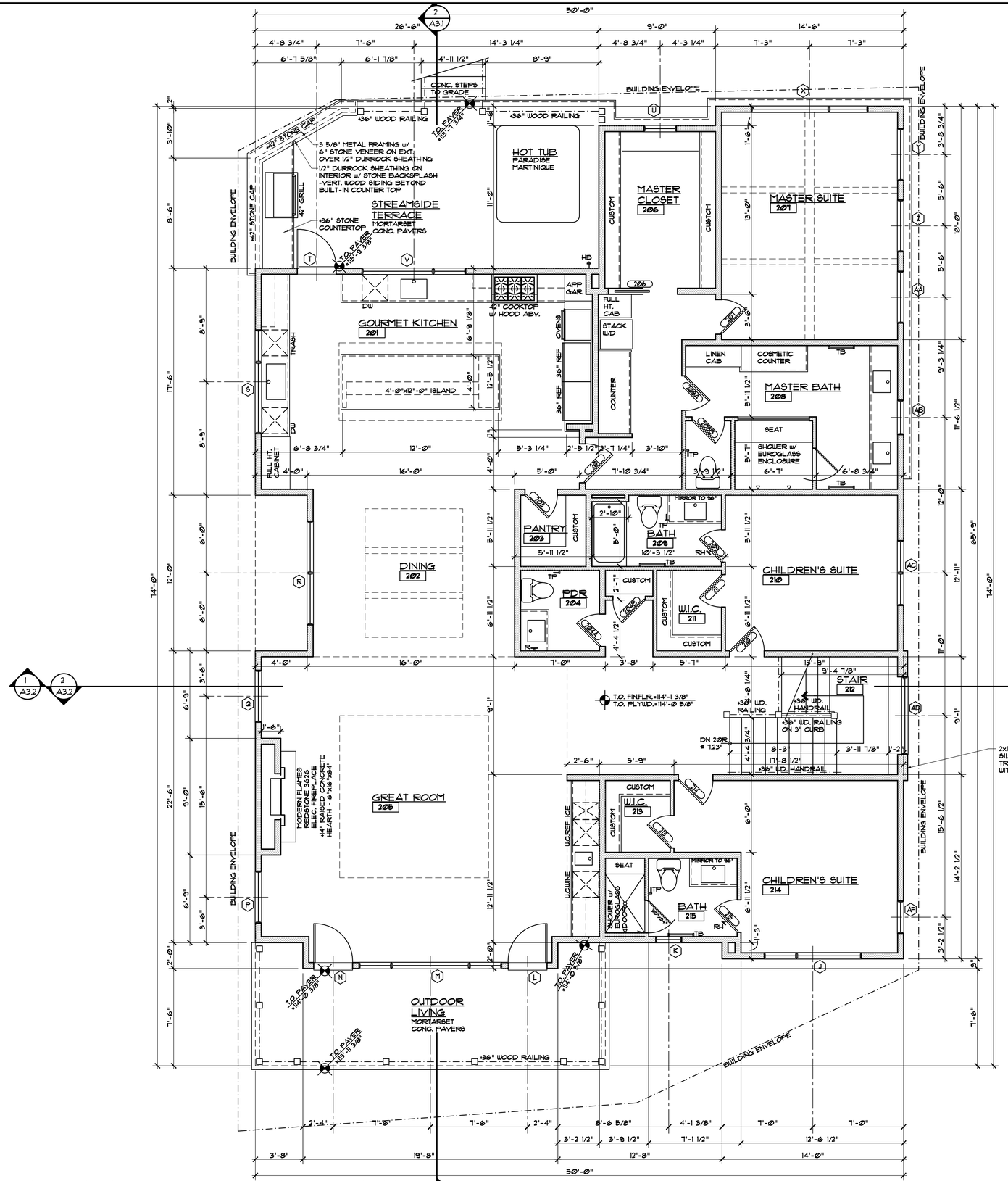
RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

BOMBARD
186 MILES END LANE
LOT 07, MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L07

ISSUED #	DATE	BY	COMMENTS
3	6-14-24	DWE	REVISED DRB SUBMITTAL
2	5-17-24	DWE	DRB SUBMITTAL SET

A1.1



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MAIN LEVEL PLAN

1/4" = 1'-0"

2,828 SF LIVING

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BOMBARD
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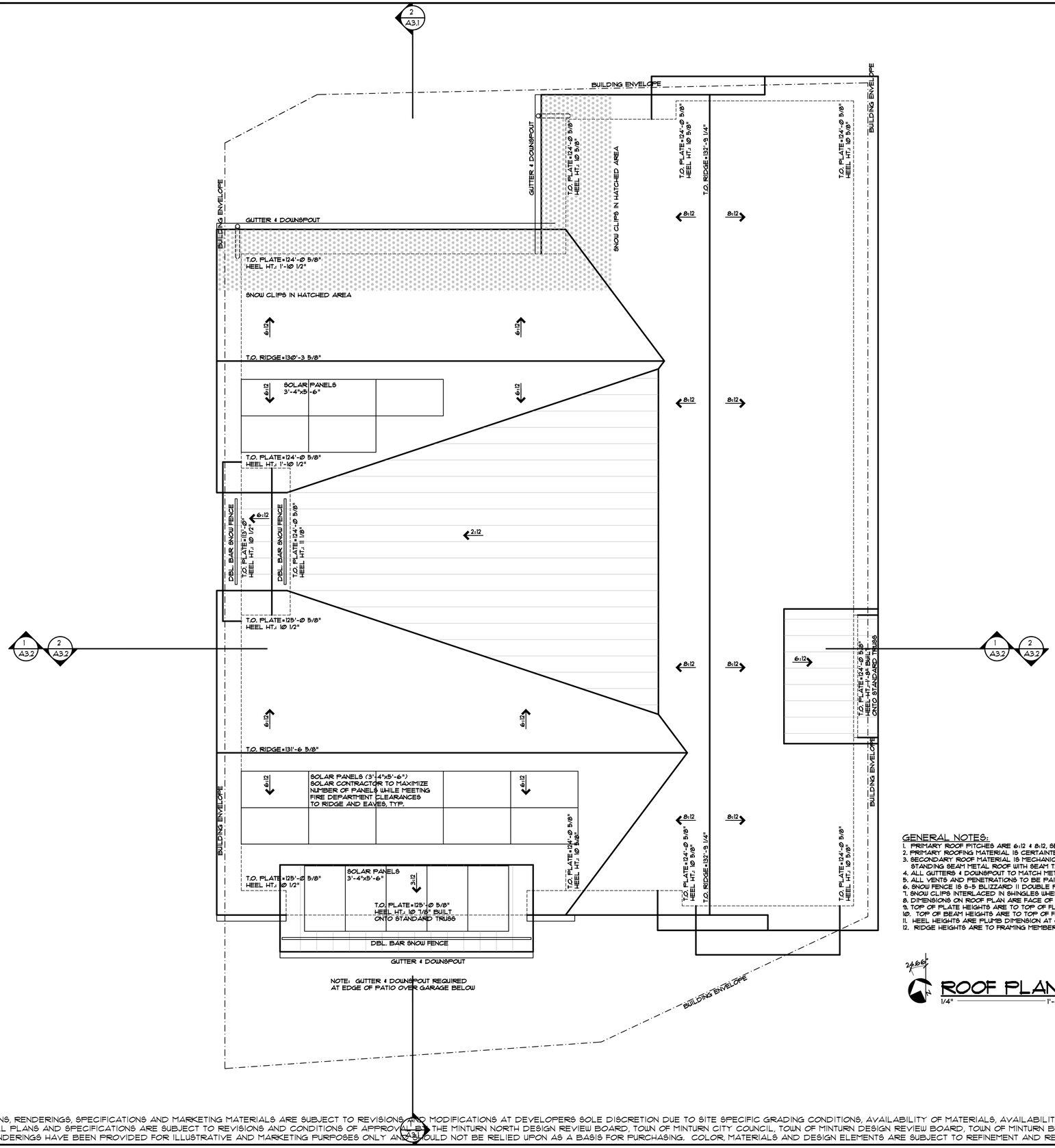
PROJECT NO: 2412-22 L07

ISSUED #	DATE	BY	COMMENTS
3	6-14-24	DJE	REVISED DRB SUBMITTAL
2	5-17-24	DJE	DRB SUBMITTAL SET

A1.2



GENERAL NOTES:

1. PRIMARY ROOF PITCHES ARE 6:12 & 8:12, SECONDARY ROOF PITCHES ARE 2:12 & 3:12.
2. PRIMARY ROOFING MATERIAL IS CERTAINTEED BELMONT IR ASPHALT SHINGLES.
3. SECONDARY ROOF MATERIAL IS MECHANICALLY SEAMED DOUBLE LOCK STANDING SEAM METAL ROOF WITH SEAM TAPE.
4. ALL GUTTERS & DOWNSPOUT TO MATCH METAL ROOF COLORS AND HAVE HEAT TAPE TO DAYLIGHT.
5. ALL VENTS AND PENETRATIONS TO BE PAINTED MATTE BLACK.
6. SNOW FENCE IS S-5 BLIZZARD II DOUBLE PIPE w/ S-5-S CLAMPS by ROCKY MOUNTAIN SNOW GUARDS.
7. SNOW CLIPS INTERLACED IN SHINGLES WHERE HATCHED. CLIPS TO MATCH COLOR OF ROOFING.
8. DIMENSIONS ON ROOF PLAN ARE FACE OF STUD OR CENTER OF POST/BEAM TO FACE OF FINISHED FASCIA.
9. TOP OF PLATE HEIGHTS ARE TO TOP OF FLAT PLATE OR LOW POINT OF BEVELED PLATE.
10. TOP OF BEAM HEIGHTS ARE TO TOP OF FLAT BEAM OR HIGH POINT OF BEVELED BEAM.
11. HEEL HEIGHTS ARE PLUMB DIMENSION AT OUTSIDE FACE OF BEARING.
12. RIDGE HEIGHTS ARE TO FRAMING MEMBERS, NOT ROOF SHEATHING.

ROOF PLAN

1/4" = 1'-0"

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KREMMLING, CO 80459
(970) 724-3411
CELL: (970) 409-9790
don.eggers@eggersarchitecture.com

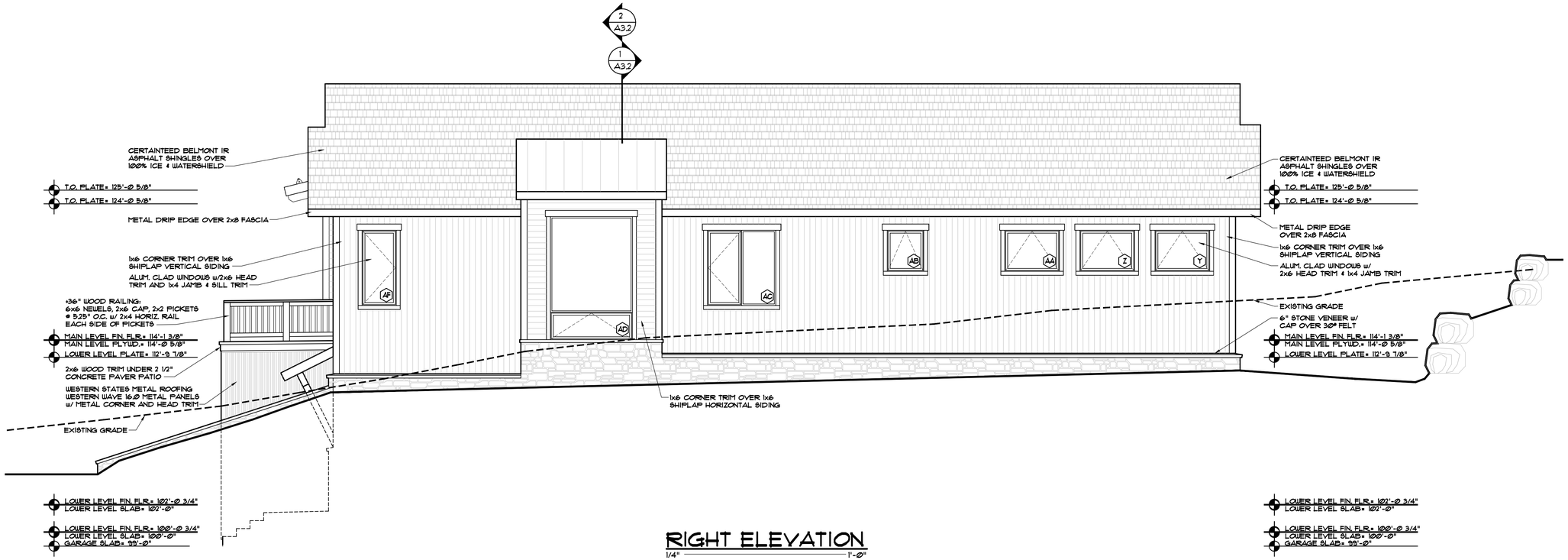
RESORT CONCEPTS
225 MAIN STREET, SUITE C-101
EDWARDS, COLORADO
(970) 926-1720

BOMBARD
186 MILES END LANE
LOT 07, MINTURN NORTH
MINTURN, COLORADO

PROJECT NO: 2412-22 L07

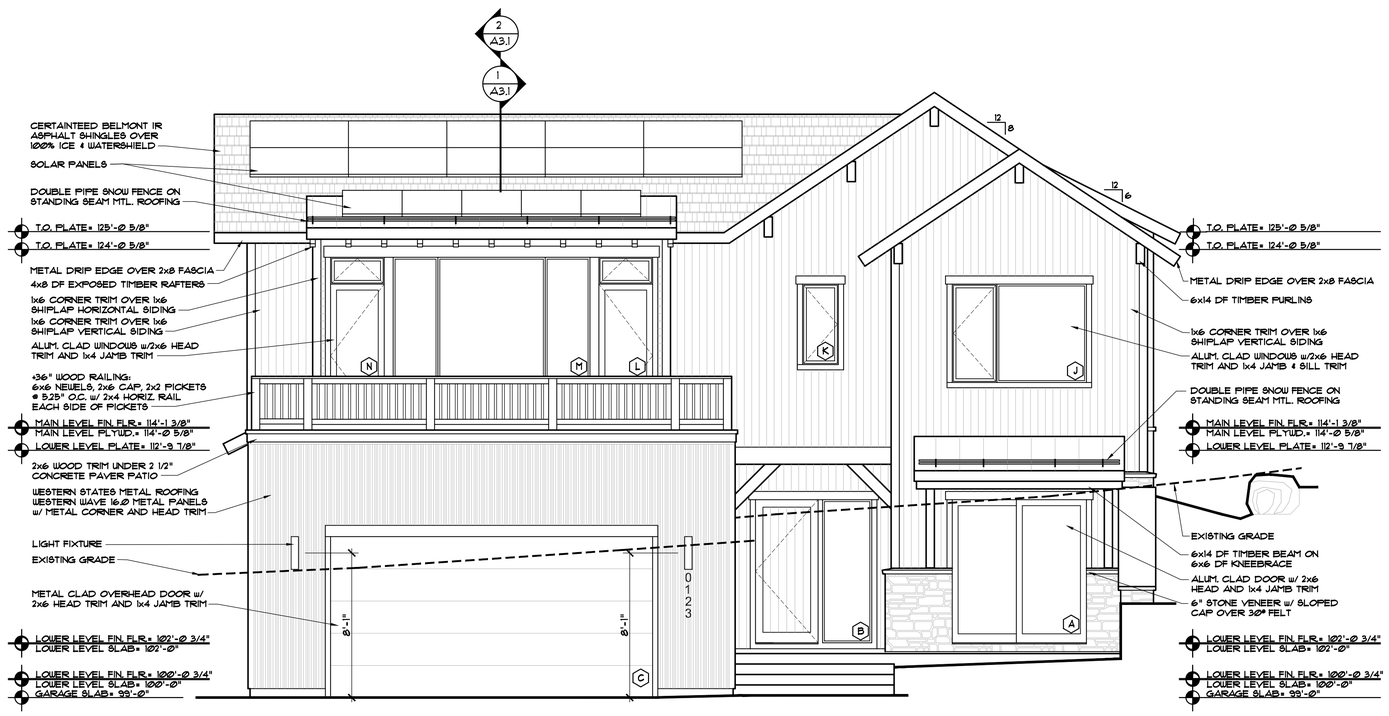
ISSUED #	DATE	BY	COMMENTS
3	6-14-24	DUE	REVISED DRB SUBMITTAL
2	5-17-24	DUE	DRB SUBMITTAL SET

A1.3



RIGHT ELEVATION

1/4" = 1'-Ø"



FRONT ELEVATION

1/4" = 1'-Ø"

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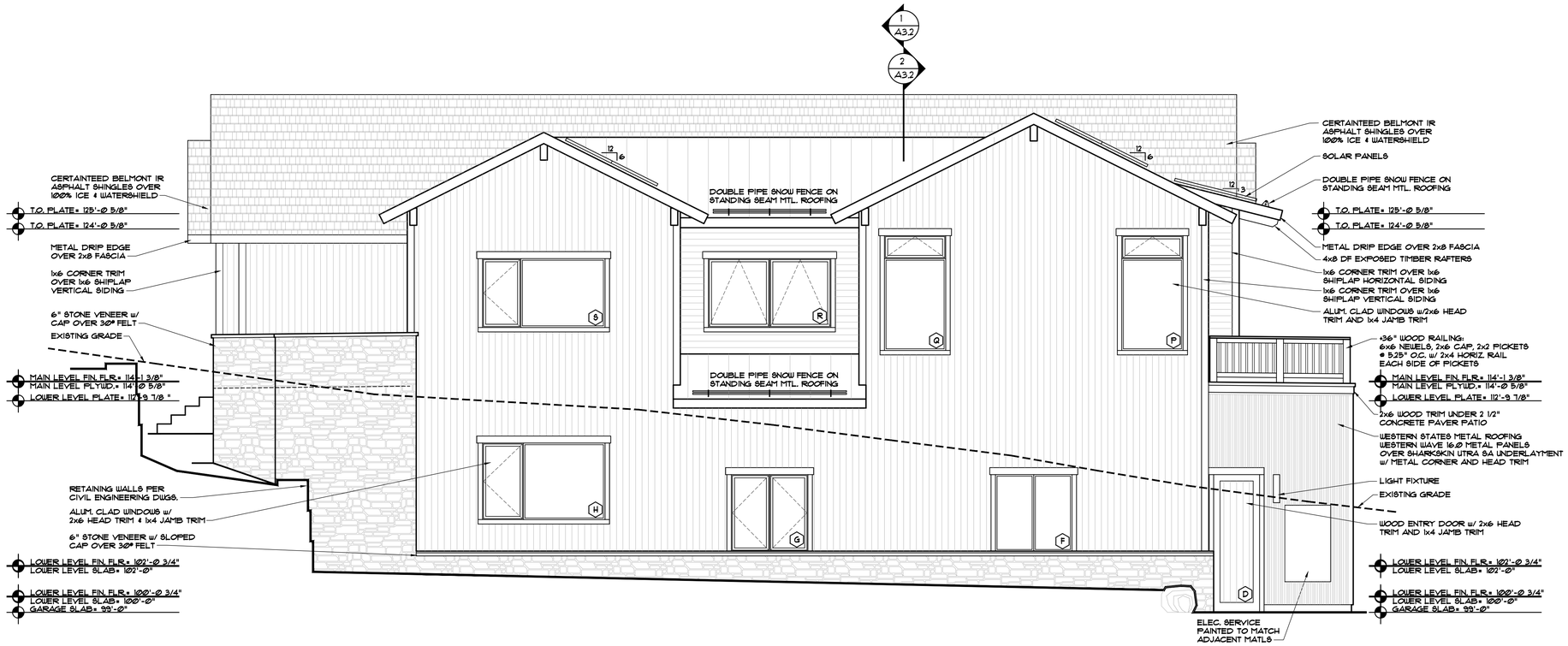
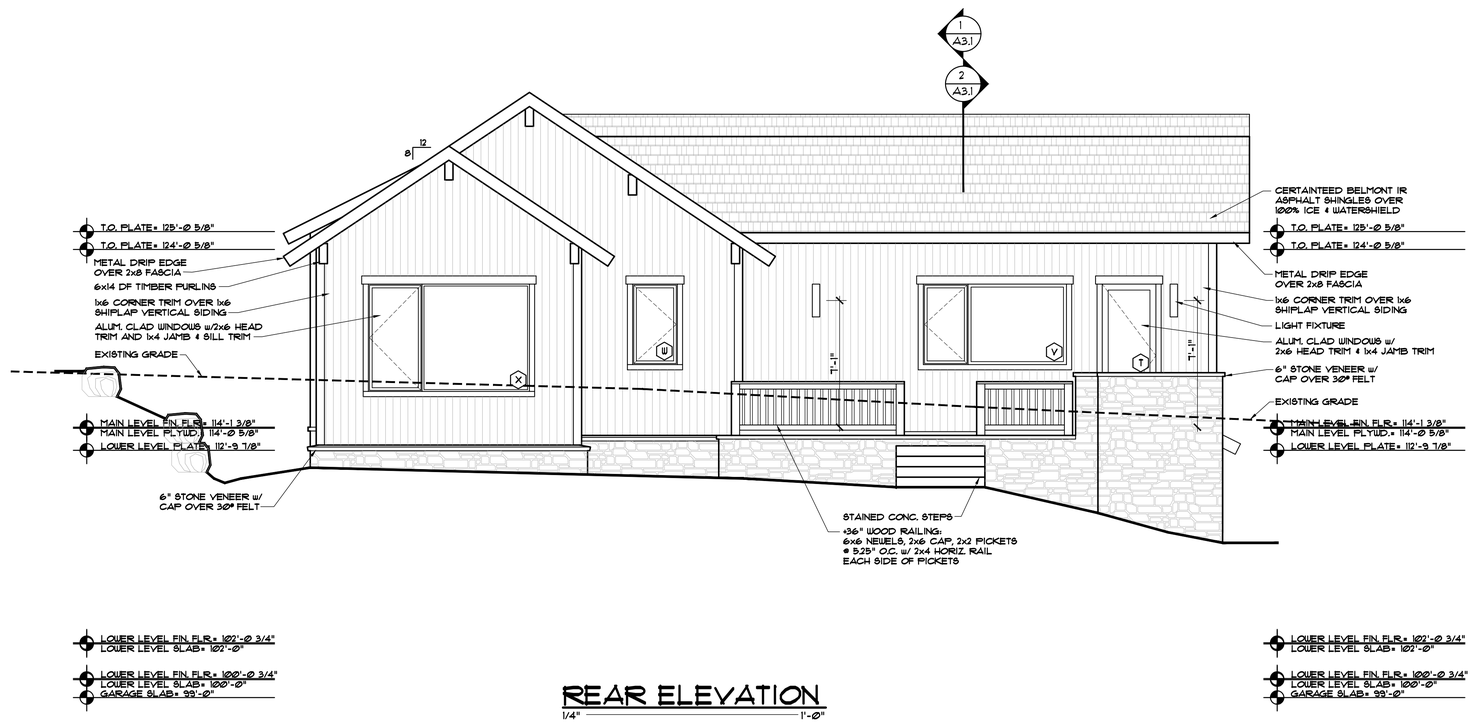
ISSUED #	DATE	BY	COMMENTS
9	6-14-24	DWE	REVISED DRB SUBMITTAL
8	5-17-24	DWE	DRB SUBMITTAL SET

A2.1



LEFT ELEVATION

1/4" = 1'-0"



REAR ELEVATION

1/4" = 1'-0"

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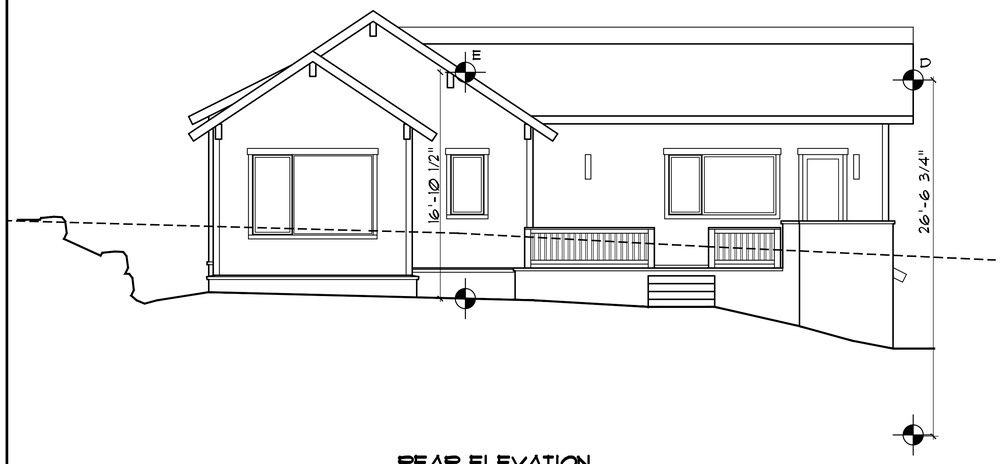
PROJECT NO: 2412-22 L07

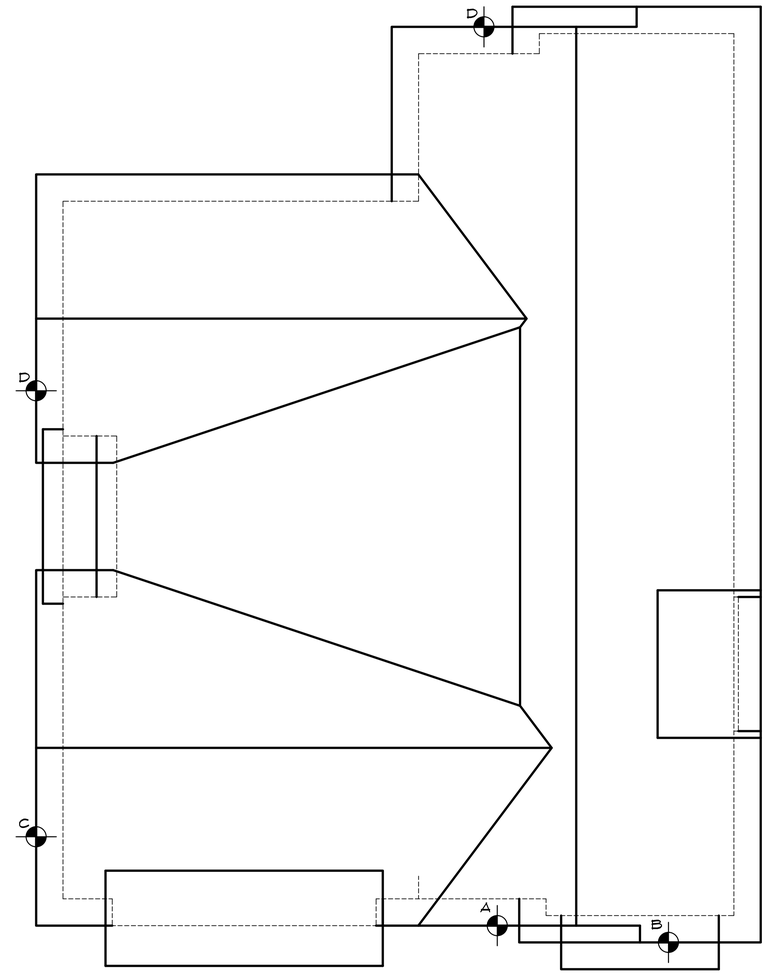
ISSUED #	DATE	BY	COMMENTS
9	6-14-24	DWE	REVISED DRB SUBMITTAL
8	5-17-24	DWE	DRB SUBMITTAL SET

A2.2

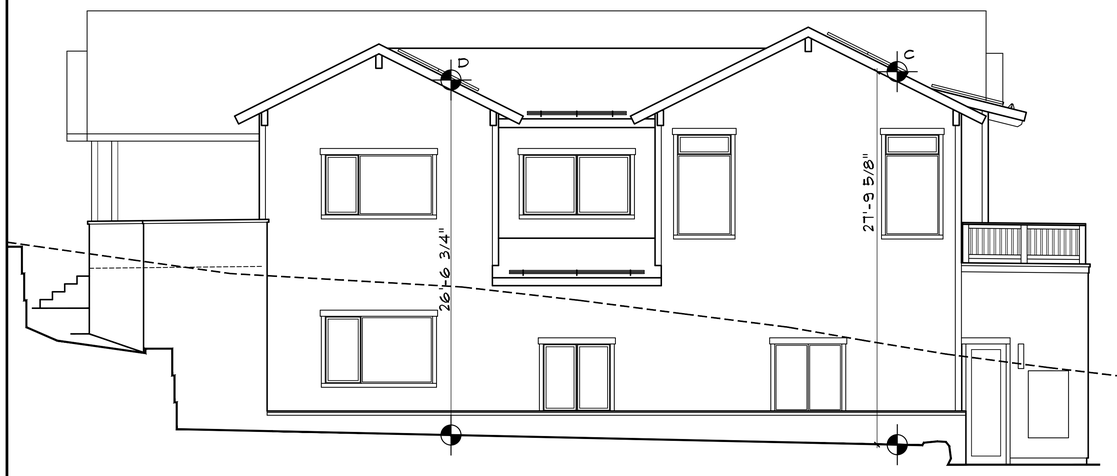
FRONT ELEVATION
1/4" = 1'-0"



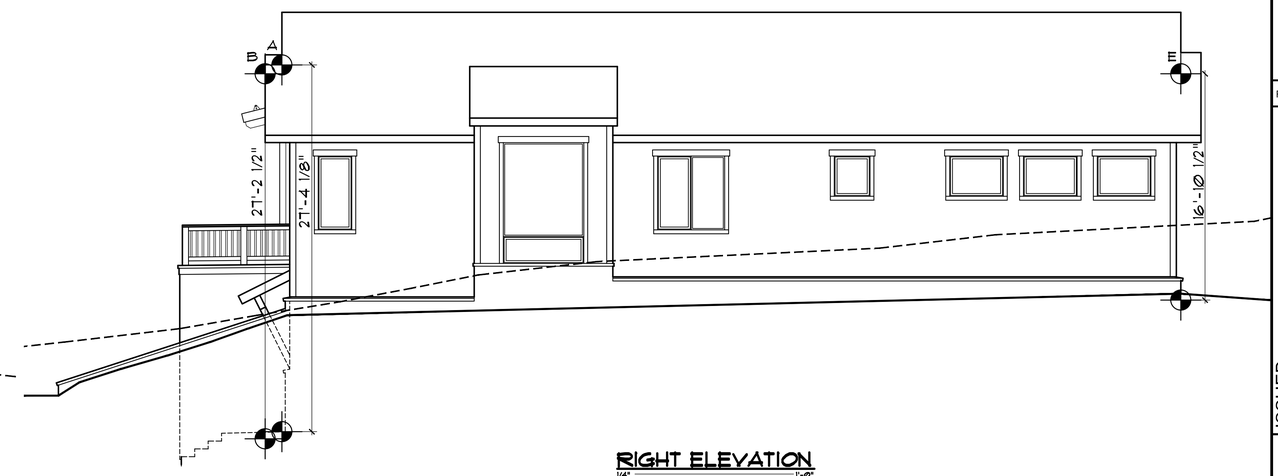
REAR ELEVATION
1/4" = 1'-0"



ROOF PLAN
1/4" = 1'-0"



LEFT ELEVATION
1/4" = 1'-0"



RIGHT ELEVATION
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BH1

To: Mayor and Town Council
From: Jay Brunvand
Date: July 17, 2024
Agenda Item: Resolution 31 – Series 2024; A Resolution Approving an Opioid Settlement Documents

REQUEST:
Staff is recommending the Council approve Resolution 31 – Series 2024; A Resolution Approving a an Opioid Agreement settlement with Kroger as presented.

INTRODUCTION:
Thanks to the collaboration of Colorado's counties and municipalities, Colorado maximized its settlement proceeds from previous opioid settlements, and we are now asking that you review and sign-on to this settlement so that Colorado can maximize its share of these funds.

ANALYSIS:
In 2021 and 2023 similar settlement proposals came before Council with other pharmaceutical manufacturers. At that time, the Town entered into a Memorandum of Understanding regarding the distribution of the settlement funds. That MOU will continue to govern the distribution of these settlement fund

COMMUNITY INPUT: Extensive. Traffic and pedestrian safety has been a significant concern town wide as discussed our community surveys and community input.

BUDGET / STAFF IMPACT:
Any funds the town may be entitled to will be allocated to Eagle County as the County Health Department as per the existing settlement MOU.

STRATEGIC PLAN ALIGNMENT:
In accordance with Strategy #4 the Town will advance decisions/projects/initiatives that expand future opportunity and viability for Minturn.

RECOMMENDED ACTION OR PROPOSED MOTION: Motion to approve Resolution 31 – Series 2024 as presented.

Attachments:
- Resolution 31 – Series 2024 and referenced agreement(s)

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 31 - SERIES 2024

A RESOLUTION OF THE TOWN COUNCIL OF MINTURN, COLORADO APPROVING PARTICIPATION IN THE NEW NATIONAL OPIOIDS SETTLEMENT WITH KROGER

WHEREAS, The State of Colorado recently settled lawsuits with Kroger companies and pharmacies related to the opioid crisis (the "Opioid Settlement") of settlement funds, a portion of which will be distributed to local governments; and

WHEREAS, in 2021 the State of Colorado and local governments, including the Town of Minturn entered into similar settlement agreements with pharmaceutical companies and an accompanying Memorandum of Understanding (the MOU) regarding the disbursement of settlement funds which will continue to govern the disbursement of these new settlement funds; and

WHEREAS, to ensure the State and local governments receive the full settlement amount, including the Town's share, the Town Council must approve the Opioid Settlement Documents enclosed as **Exhibit A;** and

WHEREAS, the Town Council wishes to approve the Opioid Settlement Documents and believes that doing so is in the best interests of the Town.

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO:

Section 1. The foregoing recitals are incorporated herein as if set forth in full.

Section 2. Opioid Settlement. The Town Council hereby approves the Opioid Settlement Documents enclosed as **Exhibit A,** authorizes the Mayor and Town Manager to execute the same, and further directs Staff to take such actions necessary for receipt of the Opioid Settlement Funds.

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 17th day of July, 2024.

TOWN OF MINTURN

By:_____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

Docusign Envelope ID: 9CDD1DD1-6D4E-4EEF-BA20-6FA33BB98B67

New National Opioids Settlement: Kroger
Opioids Implementation Administrator
opioidsparticipation@rubris.com

Minturn town, CO
Reference Number: CL-790105

TO COLORADO LOCAL POLITICAL SUBDIVISIONS:

THIS PACKAGE CONTAINS DOCUMENTATION FOR COLORADO LOCAL POLITICAL SUBDIVISIONS TO PARTICIPATE IN THENEW NATIONAL OPIOIDS SETTLEMENT WITH KROGER. YOU MUST TAKE ACTION IN ORDER TO PARTICIPATE.

Deadline: August 12, 2024

A new proposed national opioids settlement ("*New National Opioids Settlement*") has been reached with The Kroger Co. ("Settling Defendant"). This *Participation Package* is a follow-up communication to the *Notice of National Opioids Settlement* recently received electronically by your subdivision.

You are receiving this *Participation Package* because Colorado is participating in the Kroger settlement.

Thanks to the collaboration of Colorado's counties and municipalities, Colorado maximized its settlement proceeds from previous opioid settlements, and we are now asking that you review and sign-on to this settlement so that Colorado can maximize its share of these funds.

All opioid settlement funds that are received as a result of the settlement will follow the same Colorado Opioid Settlement Memorandum of Understanding that was signed in 2021. Completing the participation forms does not change your decision to "opt-out" to direct funds to the Region, or to "opt-in" to receive your direct allocation.

To review your Colorado local government decisions to receive or redirect funds, please see the Colorado Opioid Settlement Dashboard Local Government page at: coag.gov/opioids/dashboard/local.

This electronic envelope contains:

- The *Participation Form* for the Kroger settlement, including a release of any claims.

The *Participation Form* must be executed, without alteration, and submitted on or before August 12, 2024, in order for your subdivision to be considered for initial participation calculations and payment eligibility.

Based upon subdivision participation forms received on or before August 12, 2024, the subdivision participation rate will be used to determine whether participation is

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sufficient for the settlement to move forward and whether a state earns its maximum potential payment under the settlement. If the settlement moves forward, your release will become effective. If a settlement does not move forward, that release will not become effective.

Any subdivision that does not participate cannot directly share in the settlement funds, even if the subdivision's state is settling and other participating subdivisions are sharing in settlement funds. Any subdivision that does not participate may also reduce the amount of money for programs to remediate the opioid crisis in its state. Please note, a subdivision will not necessarily directly receive settlement funds by participating; decisions on how settlement funds will be allocated within a state are subject to intrastate agreements or state statutes.

You are encouraged to discuss the terms and benefits of the *New National Opioids Settlement* with your counsel, your Attorney General's Office, and other contacts within your state. Many states are implementing and allocating funds for this new settlement the same as they did for the prior opioids settlements with McKesson, Cardinal, Cencora (formerly AmerisourceBergen), J&J/Janssen, Teva, Allergan, CVS, Walgreens, and Walmart but states may choose to treat this settlement differently.

Information and documents regarding the *New National Opioids Settlement* and how it is being implemented in your state and how funds will be allocated within your state can be found on the national settlement website at https://nationalopioidsettlement.com/. This website will be supplemented as additional documents are created.

How to return signed forms:

There are three methods for returning the executed *Participation Form* and any supporting documentation to the Implementation Administrator:

(1) *Electronic Signature via DocuSign*: Executing the *Participation Form* electronically through DocuSign will return the signed form to the Implementation Administrator and associate your form with your subdivision's records. Electronic signature is the most efficient method for returning the *Participation Form*, allowing for more timely participation and the potential to meet higher settlement payment thresholds, and is therefore strongly encouraged.

(2) *Manual Signature returned via DocuSign*: DocuSign allows forms to be downloaded, signed manually, then uploaded to DocuSign and returned automatically to the Implementation Administrator. Please be sure to complete all fields. As with electronic signature, returning a manually signed *Participation Form* via DocuSign will associate your signed forms with your subdivision's records.

(3) *Manual Signature returned via electronic mail*: If your subdivision is unable to return an executed *Participation Form* using DocuSign, the signed *Participation Form* may be returned via electronic mail to opioidsparticipation@rubris.com. Please include the name, state, and

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reference ID of your subdivision in the body of the email and use the subject line Settlement Participation Form – [Subdivision Name, Subdivision State] – [Reference ID].

Detailed instructions on how to sign and return the *Participation Form*, including changing the authorized signer, can be found at https://nationalopioidsettlement.com. You may also contact opioidsparticipation@rubris.com.

The sign-on period for subdivisions ends on August 12, 2024.

If you have any questions about executing the *Participation Form*, please contact your counsel, the Implementation Administrator at opioidsparticipation@rubris.com, or the Colorado Attorney General's Opioid Response Unit at Opioids@coag.gov or 720-508-6904.

Thank you,

New National Opioids Settlement Implementation Administrator

The Implementation Administrator is retained to provide the settlement notice required by the New National Opioids Settlement and to manage the collection of the Participation Form.

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Subdivision Participation and Release Form

Governmental Entity: Minturn town	State: CO
Authorized Signatory:	
Address 1:	
Address 2:	
City, State, Zip:	
Phone:	
Email:	

The governmental entity identified above ("*Governmental Entity*"), in order to obtain and in consideration for the benefits provided to the Governmental Entity pursuant to the Settlement Agreement dated March 22, 2024 ("*Kroger Settlement*"), and acting through the undersigned authorized official, hereby elects to participate in the Kroger Settlement, release all Released Claims against all Released Entities, and agrees as follows.

1. The Governmental Entity is aware of and has reviewed the Kroger Settlement, understands that all terms in this Participation and Release Form have the meanings defined therein, and agrees that by executing this Participation and Release Form, the Governmental Entity elects to participate in the Kroger Settlement and become a Participating Subdivision as provided therein.

2. The Governmental Entity shall promptly, and in any event no later than 14 days after the Reference Date and prior to the filing of the Consent Judgment, dismiss with prejudice any Released Claims that it has filed. With respect to any Released Claims pending in *In re National Prescription Opiate Litigation*, MDL No. 2804, the Governmental Entity authorizes the Plaintiffs' Executive Committee to execute and file on behalf of the Governmental Entity a Stipulation of Dismissal with Prejudice substantially in the form found at *https://nationalopioidsettlement.com/*.

3. The Governmental Entity agrees to the terms of the Kroger Settlement pertaining to Participating Subdivisions as defined therein.

4. By agreeing to the terms of the Kroger Settlement and becoming a Releasor, the Governmental Entity is entitled to the benefits provided therein, including, if applicable, monetary payments beginning after the Effective Date.

5. The Governmental Entity agrees to use any monies it receives through the Kroger Settlement solely for the purposes provided therein.

6. The Governmental Entity submits to the jurisdiction of the court in the Governmental Entity's state where the Consent Judgment is filed for purposes limited to that court's role as provided in, and for resolving disputes to the extent provided in, the Kroger Settlement. The Governmental Entity likewise agrees to arbitrate before the National

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Arbitration Panel as provided in, and for resolving disputes to the extent otherwise provided in, the Kroger Settlement.

7. The Governmental Entity has the right to enforce the Kroger Settlement as provided therein.

8. The Governmental Entity, as a Participating Subdivision, hereby becomes a Releasor for all purposes in the Kroger Settlement, including without limitation all provisions of Section XI (Release), and along with all departments, agencies, divisions, boards, commissions, districts, instrumentalities of any kind and attorneys, and any person in their official capacity elected or appointed to serve any of the foregoing and any agency, person, or other entity claiming by or through any of the foregoing, and any other entity identified in the definition of Releasor, provides for a release to the fullest extent of its authority. As a Releasor, the Governmental Entity hereby absolutely, unconditionally, and irrevocably covenants not to bring, file, or claim, or to cause, assist or permit to be brought, filed, or claimed, or to otherwise seek to establish liability for any Released Claims against any Released Entity in any forum whatsoever. The releases provided for in the Kroger Settlement are intended by the Parties to be broad and shall be interpreted so as to give the Released Entities the broadest possible bar against any liability relating in any way to Released Claims and extend to the full extent of the power of the Governmental Entity to release claims. The Kroger Settlement shall be a complete bar to any Released Claim.

9. The Governmental Entity hereby takes on all rights and obligations of a Participating Subdivision as set forth in the Kroger Settlement.

10. In connection with the releases provided for in the Kroger Settlement, each Governmental Entity expressly waives, releases, and forever discharges any and all provisions, rights, and benefits conferred by any law of any state or territory of the United States or other jurisdiction, or principle of common law, which is similar, comparable, or equivalent to § 1542 of the California Civil Code, which reads:

> **General Release; extent.** A general release does not extend to claims that the creditor or releasing party does not know or suspect to exist in his or her favor at the time of executing the release that, if known by him or her would have materially affected his or her settlement with the debtor or released party.

A Releasor may hereafter discover facts other than or different from those which it knows, believes, or assumes to be true with respect to the Released Claims, but each Governmental Entity hereby expressly waives and fully, finally, and forever settles, releases and discharges, upon the Effective Date, any and all Released Claims that may exist as of such date but which Releasors do not know or suspect to exist, whether through ignorance, oversight, error, negligence or through no fault whatsoever, and which, if known, would materially affect the Governmental Entities' decision to participate in the Kroger Settlement.

Docusign Envelope ID: 9CDD1DD1-6D4E-4EEF-BA20-6FA33BB98B67

11. Nothing herein is intended to modify in any way the terms of the Kroger Settlement, to which Governmental Entity hereby agrees. To the extent this Participation and Release Form is interpreted differently from the Kroger Settlement in any respect, the Kroger Settlement controls.

I have all necessary power and authorization to execute this Participation and Release Form on behalf of the Governmental Entity.

Signature: _____

Name: _____

Title: _____

Date: _____

To: Mayor and Town Council
From: Michellee Metteer
Date: July 17, 2024
Agenda Item: Resolution 32 – Series 2024; A Resolution Approving the Grant Application for Funds to Repair the Little Beach Park Retaining Wall.

REQUEST:
Staff is requesting the Council approve Resolution 32 – Series 2024; A Resolution Supporting the Grant Application for Funds to Repair the Retaining Wall at Little Beach Park

INTRODUCTION:

The Town of Minturn seeks $147,000 in DOLA EIAF Tier I grant funding with $716,659 in match to stabilize the retaining wall at Little Beach Park, safeguarding the Town's only playground. The grant will fund Phase I of the Little Beach Park Enhancement Project and the Town will match the grant with local funds and a grant from Greater Outdoor Colorado (GOCO) for Phase II of the project. Little Beach Park is a 1.6-acre park that runs contiguous to the Eagle River and is within walking distance of the downtown commercial core.

ANALYSIS:
As part of a project to reimagine and upgrade Little Beach Park, the Town discovered that a belly in the lower section of the wall was growing, an indication of failure. The retaining wall is next to the only playground for youths in the community, which comprises 18.7% of Minturn's population (2022 American Community Survey 5 Year Estimate). With DOLA Tier I EIAF funds, the Town will construct a new concrete block gravity wall in front of the existing timber and replace the asphalt pathway in front of the wall.

DOLA funding will make possible Phase II of the Project, the revitalization of the park. In 2021, the Town developed a recreation-based plan for Little Beach Park and the surrounding area. The planning process engaged the residents and stakeholders of Minturn through an open house, pop-up events, in-person and virtual meetings, and guided tours of the area and outlined a variety of potential improvements suggested and vetted with members of the public and stakeholders. The plan culminated in recommendations and concept design plans, including a new playground and multi-use court, access to the river, and improvements to the amphitheater.

Phase II Conceptual Design for Little Beach Park

However, Minturn cannot move forward with Phase II of the project until stabilizing the retaining

wall. With DOLA funding, Minturn can protect its only playground and prepare Little Beach Park for Phase II improvements.

COMMUNITY INPUT: Extensive through the Little Beach Park Master Planning Process

BUDGET / STAFF IMPACT: None

STRATEGIC PLAN ALIGNMENT:
In accordance with Strategy #4 the Town will advance decisions/projects/initiatives that expand future opportunity and viability for Minturn.

RECOMMENDED ACTION OR PROPOSED MOTION: Motion to approve Resolution 32 – Series 2024 as presented.

Attachments:

- Resolution 32– Series 2024

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 32 – SERIES 2024

RESOLUTION SUPPORTING THE GRANT APPLICATION FOR A GRANT FROM THE DEPARTMENT OF LOCAL AFFAIRS' (DOLA) ENERGY AND MINERAL IMPACT ASSISTANCE FUND (EIAF) AND THE COMPLETION OF THE LITTLE BEACH PARK & AMPHITHEATER ENHANCEMENTS PROJECT.

WHEREAS, the Town of Minturn is a political subdivision of the State of Colorado, and therefore an eligible applicant for a grant awarded by the Energy and Mineral Impact Assistance Fund (EIAF); and

WHEREAS, the Town has submitted a Grant Application for the Little Beach Park & Amphitheater Enhancements Project in the amount of $147,000; and

WHEREAS, the Town of Minturn supports the completion of the project if a grant is awarded by the EIAF.

NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE TOWN OF MINTURN THAT:

Section 1: The above recitals are hereby incorporated as findings by the Town Council of the Town of Minturn.

Section 2: The Town Council of the Town of Minturn strongly supports the Grant Application submitted by the Town of Minturn and has appropriated matching funds for a grant with the EIAF.

Section 3: The Town Council of the Town of Minturn authorizes the expenditure of funds necessary to meet the terms and obligations of any grant awarded pursuant to a Grant Agreement with the EIAF.

Section 4: The project sites are owned by the Town of Minturn and will be owned by the Town of Minturn for the next 25 years. The Town Council of the Town of Minturn will continue to maintain the Little Beach Park & Amphitheater Enhancements Project in a high quality condition and will appropriate funds for maintenance annually.

Section 5: If a grant is awarded, the Town Council of the Town of Minturn hereby authorizes the Mayor or his designee to sign a Grant Agreement with the EIAF.

Section 6: This resolution to be in full force and effect from and after its passage and approval

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 17th day of July, 2024.

TOWN OF MINTURN

By: _____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

To: Mayor and Town Council
From: Michelle Metteer
Date: July 17, 2024
Agenda Item: Resolution 33 – Series 2024; A Resolution Approving a Contract with Stolfus Engineering for the facilitation of the Safe Streets for All grant award

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REQUEST:
Staff is recommending the Council approve Resolution 33 – Series 2024; A Resolution Approving a Contract with Stolfus Engineering for the facilitation of the Safe Streets for All grant award as presented.

INTRODUCTION:
The Town has received a Federal Safe Streets for All grant (SS4A) and is requesting approval of the attached agreement with Stolfus Engineering to facilitate the grant for the town.

ANALYSIS:
The town has received a grant of $80,000, with a Town match of $20,000. This grant will allow the town, through Stolfus facilitation, to conduct safety action planning with the culmination of a transportation safety action plan which will guide the promotion and prioritization of safety as outlined in the attached documentation. Minturn intends to utilize these funds for understanding the most opportunistic measures to take toward improving all forms of transportation safety.

The facilitation of this plan will occur over the next year and include the formation of a Minturn community stakeholder group, a public open house, surveys and extensive analysis to determine recommendations for increasing all modes of transportation safety.

A Request for Proposals (RFQ) was published with six engineering firms submitting by the identified deadline. From those six firms, an internal committee consisting of engineer Jeff Spanel, manager, Michelle Metteer and council member Brian Rodine interviewed three firms. Stolfus Engineer was selected upon completion of the interviews.

COMMUNITY INPUT: Extensive including community surveys and plans.

BUDGET / STAFF IMPACT: The town will incur a direct cost of $20,000.

STRATEGIC PLAN ALIGNMENT: In accordance with Strategy #4 the Town will advance decisions/projects/initiatives that expand future opportunity and viability for Minturn.

RECOMMENDED ACTION OR PROPOSED MOTION: Motion to approve Resolution 33 – Series 2024 as presented.

Attachments:
- Resolution 33 – Series 2024, referenced agreement, and SS4A award documents.

PO Box 309 • 302 Pine St • Minturn, CO 81645 • www.minturn.org • info@minturn.org • 970-827-5645

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 33 – SERIES 2024

A RESOLUTION TO APPROVE A PROFESSIONAL ENGINEERING SERVICES AGREEMENT BETWEEN STOLFUS AND ASSOCIATES, INC AND THE TOWN OF MINTURN FOR FACILITATION OF THE SAFE STREETS FOR ALL (SS4A) GRANT AND AUTHORIZING THE MAYOR OF THE TOWN OF MINTURN TO SIGN THE AGREEMENT

WHEREAS, The Minturn Town Council has reviewed the Engineering Services Proposal with Stolfus and Associates and deems it acceptable; and,

WHEREAS, The Town Council desires to engage Stolfus and Associates as presented in the attached agreement.

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO:

SECTION 1: The Minturn Town Council hereby approves the Professional Services Agreement between Stolfus and Associates and the Town of Minturn, Colorado and authorizes the Mayor or designee to execute said agreement.

SECTION 2: This resolution to be in full force and effect from and after its passage and approval.

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 17TH day of JULY, 2024.

TOWN OF MINTURN

By:_____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

PROFESSIONAL SERVICES AGREEMENT

This PROFESSIONAL SERVICES AGREEMENT (the "Agreement") is made and entered into this _____, 202__ by and between the TOWN OF MINTURN, Colorado, a home rule municipality ("Minturn" or the "Town"), and Stolfus & Associates, Inc._ (the "Consultant").

WHEREAS, the Town desires that Consultant perform the services of Stolfus & Associates, Inc. as an independent contractor, in accordance with the provisions of this Agreement, and more fully described in the job description attached as **Exhibit A**; and

WHEREAS, Consultant desires to perform such duties pursuant to the terms and conditions provided for in this Agreement; and

WHEREAS, the Parties hereto desire to set forth certain understandings regarding the services in writing.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the Parties agree as follows:

1. **Services.** The Town agrees to retain Consultant to provide the services set forth herein, and as further specified in **Exhibit A**, attached hereto and incorporated herein by reference ("Scope of Services"), and Contractor agrees to so serve. Contractor represents that it has the requisite authority, capacity, experience, and expertise to perform the Services in compliance with the provisions of this Agreement and all applicable laws and agrees to perform the Services on the terms and conditions set forth herein. The Town reserves the right to omit any of the Services identified in **Exhibit A** upon written notice to Consultant. In the event of any conflict between this Agreement and **Exhibit A**, the provisions of this Agreement shall prevail. All services shall be performed in conformance with the standard of care ordinarily exercised by members of Consultant's profession practicing at the same time in the State of Colorado.

2. **Compensation.** The Town agrees to pay Contractor a sum not to exceed One hundred thousand_ Dollars ($100,000.00) as adjusted to reflect the deletion by the Town of any of the Services set forth in **Exhibit A**. The Town shall make payment within thirty (30) days of receipt and approval of invoices submitted by Consultant, which invoices shall be submitted to the Town not more frequently than monthly and which shall identify the specific Services performed for which payment is requested.

3. **Term.** The Term of this Agreement shall be from the date first written above until completion of the Services, unless extended by written agreement of the Parties.

4. **Outside Support Services and Subcontractor.** Any subcontractors shall be pre-approved by the Town. A rate sheet for such subcontractors shall be provided to the Town.

5. **Ownership of Instruments of Service.** The Town acknowledges the Consultant's work product, including electronic files, as instruments of professional service. Nevertheless, the final work product prepared under this Agreement shall become the property of the Town upon completion of the services and payment in full of all monies due to the Consultant. The Town agrees not to use Instruments of Service for purposes other than as described in the Agreement or to modify such Instruments of Service without Stolfus' prior written consent and to the extent allowable by law agrees to indemnify Stolfus and hold Stolfus harmless from any and all claims, damages, losses, liabilities, and expenses arising out of or resulting from any use or modification not consented by Stolfus.

6. **Monitoring and Evaluation.** The Town reserves the right to monitor and evaluate the progress and performance of Consultant to ensure that the terms of this Agreement are being satisfactorily met in accordance with the Town's and other applicable monitoring and evaluating criteria and standards. Consultant shall cooperate with the Town relating to such monitoring and evaluation.

7. **Independent Contractor.** The Parties agree that the Consultant shall be an independent contractor and shall not be an employee, agent, or servant of the Town. Consultant is not entitled to workers' compensation benefits from the Town and is obligated to pay federal and state income tax on any money earned pursuant to this Agreement.

8. **Insurance Requirements.**

a. Comprehensive General Liability Insurance. Consultant shall procure and keep in force during the duration of this Agreement a policy of comprehensive general liability insurance insuring Consultant and naming the Town as an additional insured against any liability for personal injury, bodily injury, or death arising out of the performance of the Services with at least one million dollars ($1,000,000.00) each occurrence, two million dollars ($2,000,000.00) aggregate. The limits of said insurance shall not, however, limit the liability of Contractor hereunder.

b. Comprehensive Automobile Liability Insurance. Contractor shall procure and keep in force during the duration of this Agreement a policy of comprehensive automobile liability insurance insuring Consultant and naming the Town as an additional insured against any liability for personal injury, bodily injury, or death arising out of the use of motor vehicles and covering operations on or off the site of all motor vehicles controlled by Consultant which are used in connection with the Project, whether the motor vehicles are owned, non-owned, or hired, with a combined single limit of at least one million dollars ($1,000,000.00). The limits of said insurance shall not, however, limit the liability of Consultant hereunder.

c. Terms of Insurance.

i. Insurance required by this Agreement shall be with companies qualified to do business in the State of Colorado with a general policyholder's financial rating of not less than A+3A as set forth in the most current edition of "Best's Insurance Reports" and may provide for deductible amounts as Consultant deems reasonable for the Services. No such policies shall be cancelable or subject to reduction in coverage limits or other modification except after thirty (30) days prior written notice to the Town. Consultant shall identify whether the type of coverage is "occurrence" or "claims made." If the type of coverage is "claims made," which at renewal Consultant changes to "occurrence," Consultant shall carry a six (6)-month tail. Consultant shall not do or permit to be done anything that shall invalidate the policies.

ii. The policies described in subparagraphs a. and b. above shall be for the mutual and joint benefit and protection of Consultant and the Town. Such policies shall provide that the Town, although named as an additional insured, shall nevertheless be entitled to recovery under said policies for any loss occasioned to it, its officers, employees, and agents because of negligence of Consultant, its officers, employees, agents, subcontractors, or business invitees. Such policies shall be written as primary policies not contributing to and not in excess of coverage the Town may carry.

d. Workers' Compensation and Other Insurance. During the term of this Agreement, Consultant shall procure and keep in force workers' compensation insurance and all other insurance required by any applicable law. If under Colorado law Consultant is not required to carry workers' compensation insurance, Consultant shall provide the Town an executed Certificate of Exemption from Statutory Workers' Compensation Law and Acknowledgment of Risk/Hold Harmless Agreement, which shall be attached hereto as **Exhibit B** and incorporated herein by this reference.

e. Evidence of Coverage. Before commencing work under this Agreement, Consultant shall furnish to the Town certificates of insurance policies evidencing insurance coverage required by this Agreement. Consultant understands and agrees that the Town shall not be obligated under this Agreement until Consultant furnishes such certificates of insurance.

f. Subcontracts. Consultant agrees to include the insurance requirements set forth in this Agreement in all subcontracts. The Town shall hold Consultant responsible in the event any subcontractor fails to have insurance meeting the requirements set forth in this Agreement. The Town reserves the right to approve variations in the insurance requirements applicable to subcontractors upon joint written request of subcontractor and Consultant if, in the Town's opinion, such variations do not substantially affect the Town's interests.

9. **Indemnification.** Contractor hereby covenants and agrees to indemnify, save, and hold harmless the Town, its officers, employees, and agents from any and all liability, loss, costs, charges, obligations, expenses, attorney's fees, litigation, judgments, damages, claims, and demands of any kind whatsoever arising from or out of any negligent act or omission or other tortious conduct of Consultant, its officers, employees, or agents in the performance or nonperformance of its obligations under this Agreement.

10. **Termination.**

a. For Convenience. The Town may terminate this Agreement without cause if it determines that such termination is in the Town's best interest. The Town shall affect such termination by giving written notice of termination to Consultant, specifying the effective date of termination, at least thirty (30) calendar days prior to the effective date of termination. In the event of such termination by the Town, the Town shall be liable to pay Consultant for Services performed as of the effective date of termination, but shall not be liable to Consultant for anticipated profits. Consultant shall not perform any additional Services following receipt of the notice of termination unless otherwise instructed in writing by the Town.

b. For Cause. If, through any cause, Consultant fails to fulfill its obligations under this Agreement in a timely and proper manner, violates any provision of this Agreement, or violates any applicable law, and does not commence correction of such nonperformance or violation within seven (7) calendar days of receipt of written notice and diligently complete the correction thereafter, the Town shall have the right to terminate this Agreement for cause immediately upon written notice of termination to Consultant. In the event of such termination by the Town, the Town shall be liable to pay Consultant for Services performed as of the effective date of termination, but shall not be liable to Consultant for anticipated profits. Consultant shall not perform any additional Services following receipt of the notice of termination. Notwithstanding the above, Consultant shall not be relieved of liability to the Town for any damages sustained by the Town by virtue of any breach of this Agreement, and the Town may withhold payment to Consultant for the purposes of setoff until the exact amount of damages due to the Town from Consultant is determined.

c. Payment upon Termination. In the event that this Agreement is terminated, Consultant shall be entitled to payment for its costs and services performed, up through the date of termination, less allowances for services rendered that were negligent or otherwise contrary to this Agreement.

11. **Use of Software and other Intellectual Property**. Consultant hereby represents and warrants that it has obtained all necessary rights and licenses to use any software or other intellectual property that may be required by Consultant to perform the Scope of Services. Consultant hereby agrees to indemnify, hold harmless and defend Town against any claim brought against Town for improper use or infringement upon any software or intellectual property interest.

12. **Agreement Subject to Appropriation.** To the extent this Agreement constitutes a multiple fiscal year debt or financial obligation of the Town, it shall be subject to annual appropriation pursuant to the Town of Minturn Municipal Code and Article X, Section 20 of the Colorado Constitution. The Town shall have no obligation to continue this Agreement in any fiscal year in which no such appropriation is made.

13. **Responsibilities.** The Consultant shall be responsible for all damages to persons or property caused by the Consultant, its agents, employees, or subcontractors, to the extent caused by its negligent acts, errors, and omissions hereunder, and shall indemnify and hold harmless the Town from any claims or actions brought against Consultant by reason thereof.

14. **Entire Agreement.** This Agreement, along with any addendums and attachments hereto, constitutes the entire agreement between the Parties. The provisions of this Agreement may be amended at any time by the mutual consent of both Parties. The Parties shall not be bound by any other agreements, either written or oral, except as set forth in this Agreement.

15. **Governing Law and Venue.** This Agreement shall be governed by the laws of the State of Colorado, and venue shall be in the County of Eagle, State of Colorado.

16. **Governmental Immunity Act.** No term or condition of this Agreement shall be construed or interpreted as a waiver, express or implied, of any of the immunities, rights, benefits, protections, or other provisions of the Colorado Governmental Immunity Act, C.R.S. § 24-10-101 *et seq.*

17. **Assignability.** Consultant shall not assign this Agreement without the Town's prior written consent.

18. **Binding Effect.** This Agreement shall be binding upon, and shall inure to the benefit of, the Parties hereto and their respective heirs, personal representatives, successors, and assigns.

19. **Survival Clause.** The "Indemnification" provision set forth in this Agreement shall survive the completion of the Services and the satisfaction, expiration, or termination of this Agreement.

20. **Severability.** In the event a court of competent jurisdiction holds any provision of this Agreement invalid or unenforceable, such holding shall not invalidate or render unenforceable any other provision of this Agreement.

21. **Headings.** Paragraph headings used in this Agreement are for convenience of reference and shall in no way control or affect the meaning or interpretation of any provision of this Agreement.

22. **Notices.** Written notices required under this Agreement and all other correspondence between the Parties shall be directed to the following and shall be deemed received when hand-delivered or three (3) days after being sent by certified mail, return receipt requested:

23. Limitation of Liability: To the maximum extent permitted by law, the Client agrees to limit the liability of the Consultant and the Consultant's employees, owners and subconsultants for the Client's damages to insurance policy limits. This limitation shall apply regardless of the cause of action or legal theory pled or asserted.

If to the Town:	TOWN OF MINTURN Attn: Town Clerk PO Box 309 Minturn, CO 81645
With copy to:	Michael J. Sawyer, Esq. Karp Neu Hanlon, P.C. 201 14th Street, Suite 200 P. O. Drawer 2030 Glenwood Springs, Colorado 81602
If to Consultant:	Elizabeth Stolfus, PE Stolfus & Associates, Inc. 5690 DTC Blvd, Ste 330W Greenwood Village, CO 80111

23. **Authority.** Each person signing this Agreement, and any addendums or attachments hereto, represents and warrants that said person is fully authorized to enter and execute this Agreement and to bind the Party it represents to the terms and conditions hereof.

24. **Attorneys' Fees.** Should this Agreement become the subject of litigation between the Town and Consultant, the prevailing Party shall be entitled to recovery of all actual costs in connection therewith, including but not limited to attorneys' fees and expert witness fees. All rights concerning remedies and/or attorneys' fees shall survive any termination of this Agreement.

25. **Counterparts**. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date first above written.

TOWN OF MINTURN, COLORADO

_____
Michelle Metteer, Town Manager

ATTEST:

_____
Town Clerk

CONSULTANT

By:_____

Name:_____

Title:_____

STATE OF COLORADO)
) ss.
COUNTY OF _____)

The foregoing Agreement was acknowledged before me this ____ day of _____, 2022 by _____.

Witness my hand and official seal.

My commission expires:_____.

_____
{S E AL} Notary Public

EXHIBIT A

SCOPE OF SERVICES

EXHIBIT B

CERTIFICATE OF EXEMPTION FROM STATUTORY WORKERS' COMPENSATION LAW AND ACKNOWLEDGEMENT OF RISK/HOLD HARMLESS AGREEMENT.

("Contractor") certifies to the Town of Minturn (the "Town") that it is exempt from the provisions of the Colorado Workers' Compensation Act.

If Contractor has any employees who will perform the Services or subsequently employs any person to perform the Services as set forth in this Agreement (other than subcontractors, who are not considered employees for the purposes of workers' compensation), it agrees to provide the Town with a Certificate of Insurance as required by the Agreement indicating proof of statutory workers' compensation coverage on such persons prior to their start of work for the Town.

Contractor acknowledges that it will be engaging in activities which exposes it to the risk of bodily injury, that it is physically capable of performing the activities, and that all necessary precautions to prevent injury to Contractor and others will be taken. Contractor shall not hold the Town liable for any injuries sustained, by it or others, which may arise out of or in the course of the work performed for or on behalf of the Town, and Contractor agrees to defend, indemnify, and hold harmless the Town from all such claims.

CONSULTANT

By:_____

Name:_____

Title:_____

STATE OF COLORADO)
) ss.
COUNTY OF EAGLE)

The foregoing Agreement was acknowledged before me this ____ day of _____, 2022 by _____.

Witness my hand and official seal.
My commission expires:_____

_____
{S E AL} Notary Public

5690 DTC Boulevard, S
Greenwood Village, CO 80111
phone:303-221-2330 • fax: 303-221-2331
www.stolfusandassociates.com

June 18, 2024

Michelle Metteer, Town Manager

Town of Minturn
Manager@minturn.com

Minturn SS4A Scope and Fee Proposal

Stolfus & Associates, Inc. (Stolfus) has prepared the following scope of services for the Minturn Safe Streets for All (SS4A) project. The proposed scope of services will enable the Town to meet all required SS4A program elements, while simultaneously providing a comprehensive study that is engaging of town residents and other community stakeholders.

SCOPE OF SERVICES

WORK ELEMENT 1 - PROJECT ADMINISTRATION/MANAGEMENT

Stolfus will review and process invoices monthly and provide other project administration/management services (coordination and product review) throughout the duration of the project. Stolfus will be responsible for day-to-day management and coordination of the work elements. Stolfus will coordinate with Minturn on project progress.

Meetings

Work Element 1 includes the following meetings:

- Kickoff Meeting / Site Visit (in-person) Stolfus to travel to Minturn (1-Total)
- Virtual Progress meetings (9 each)

WORK ELEMENT 2- PUBLIC ENGAGEMENT

Stakeholder Working Group Formation and Meetings

Stolfus will assist with the development of the Action Plan Committee (APC) supporting the Town Manager, Michelle Metteer, with identification of APC members, sending invitations and facilitating the meetings at regular touchpoints as identified in the schedule. All meetings include time for preparation. Power Point presentations will be prepared by Stolfus for Action Plan Committee Meetings.

- (5) Action Plan Committee Meetings (Virtual)

City Council Meetings (2)

Stolfus will present to the Minturn City Council updates of the plan and be available for Q & A from the Council. All meetings include travel and presentation materials. Power Point presentations will be prepared by Stolfus for Council Meetings and sent in advance to accommodate council packets.

- Two (2) Council presentations/ updates over project lifecycle to establish town buy-in for the SS4A.

Meeting Preparation and Summary Documents

All meetings include time for preparation. PowerPoint presentations will be prepared by Stolfus. Stolfus will prepare a meeting summary document after each meeting that outlines comments received by common themes and follow up items.

Public Engagement Plan

Stolfus will develop a public engagement plan outlining key touchpoints, milestones, outreach events, and schedule within the first 30 days of project kickoff

- (1) Public Engagement Plan

Pop Up Events (1)
Stolfus will organize and attend a pop-up event to engage with the public at a key touchpoint and encourage feedback, Stolfus will also prepare materials to promote the SS4A for this event. These could be timed with back-to-school events such as the Vail Ski and Snowboard School and others as identified.

ARC GIS Storyboard Creation and Maintenance
Stolfus will work with The Town Manager to create an ARC GIS Storyboard to share the project's narrative, provide visual renderings of potential recommendations, and provide a platform for stakeholders to provide virtual comments. Stolfus assumes the cost for the ARC GIS license and will coordinate with the Town Manager to host on the Town website. As the project evolves, Stolfus will maintain the storyboard making sure concepts provided are up to date, comments are collected and provided to the project team as part of the feedback process. Additionally, the comments will be summarized for the project team and client monthly. Two updates to the ARC GIS Storyboard are included in the scope of services.

Online Public Meeting
Stolfus will create an online Public Meeting to provide an overview of the project and a platform for members of the community to engage. The materials will be created in Power Point and will be hosted on the Town's website for up to 30 days or longer providing the information is still relevant.

Digital Project Update Documents
Stolfus will create a template and create content to keep the community and other interested parties up to date on the SS4A process. Stolfus will create content for the Town website, QR codes to promote the ARC GIS Comment and Storyboard, and a project fact sheet.

- (1) QR Code
- Content Updates for Town Website and ARC GIS Storyboard
- (1) Project Fact Sheet

Summary Document (1)
Upon completion of the project, Stolfus will produce a summary document which will memorialize the public engagement activities over the lifetime of the project. This document is intended to be shared with interested stakeholders, the town council and the Stakeholder Working Group.

WORK ELEMENT 3- CRASH DATA ANALYSIS
Stolfus will request available crash data from the Colorado Department of Transportation and Eagle County Sheriff. This data will be mapped to locations in the Town on a Geographic Information Systems (GIS) platform and used to perform the following analyses:

Hot Spot Analysis

This analysis will review crash locations within the Town of Minturn to identify whether any locations experience recurring or atypically severe crashes. These locations will be considered crash “hot spots”. Crashes at hot spot locations will be examined to identify whether any underlying patterns exist that may allow specific safety mitigation measures to be identified.

Systemic Analysis
Because the number of crashes resulting in serious injury or fatality has historically been low in the Town of Minturn, a systemic analysis will be conducted to identify factors that contribute to increased crash risk. This analysis will review the locations of crashes within the Town of Minturn and more broadly across Eagle County to identify risk factors that result in a higher likelihood of severe crashes occurring in the future. Locations within the Town of Minturn having similar risk factors will be candidates for systemic safety improvements.

This analysis will also consider the locations of future planned development within the Town, and how upcoming changes in land use may affect safety for users of the transportation system.

Behavioral Analysis
This analysis will review not only the local crash data, but also County, state, and national data to identify behavioral trends contributing to severe injury and fatal crashes. These trends may include such behaviors as distracted driving, speeding, impaired driving, driving without a seatbelt, etc.

WORK ELEMENT 4- POLICIES AND PROCESS
Town policies, processes, and plans will be reviewed to identify opportunities to make safety-enhancing updates. These may include recommendations for new or revised engineering standards, for example, or implementation of pedestrian crossing treatment guidelines. Other opportunity areas may include town speed limit ordinances (or reduced speed limit zones), annexation / zoning / site plan procedures and requirements, as well as community plan updates.

Stolfus will review the following Town policies and processes from the standpoint of safety best practices:

- Permits & Licensing
- Local Ordinances
- Land Use Processes
- Municipal Code
- Parking & Maintenance
- Community Plans
- Zoning & Planned Development
- Other

WORK ELEMENT 5- STRATEGIES AND PROJECT SELECTIONS
Stolfus will identify proven strategies to counter any hot spot locations or areas of systemic safety concern identified in Work Element 3. Specific countermeasures having a high likelihood of reducing the crash risk (as measured by crash modification factor or “CMF”) will be identified for prioritization and implementation.

Strategies and project selections will not be limited to physical transportation improvements. Local campaigns and education aimed at changing risky driver behavior are examples of non-engineering strategies that may positively affect transportation safety.

Strategies identified in Work Element 4 will also be included in the project selection process. Project selections will include an assessment of cost, safety improvement effectiveness, grant opportunities, and provided sufficient data is available, information related to return on investment or benefit-cost.

Prioritization will apply the values of the Town and allow participants to help influence the outcome of the study by helping determine which strategies and projects are most urgently needed.

WORK ELEMENT 6- DOCUMENTATION AND REPORTING

Documentation

The results of the study will be documented in a report suitable for distribution to staff, elected officials and the public. It will contain a summary of the entire effort, including results of the public engagement process, technical information related to the analysis and prioritization process, summaries of strategies and projects, as well as recommendations and next steps. Crash data will be mapped to allow the crash locations to be illustrated visually. A draft of the report will be circulated to the Action Plan Committee for review and comment before sharing it with the public.

Reporting

Objectives of the SS4A program include improved transparency and accountability as it relates to transportation safety. Based on an assessment of the data, feedback from stakeholders, and commitments from project stakeholders and elected officials, the Town of Minturn will set a future goal related to reduction or elimination of crashes resulting in serious injuries or fatalities. This commitment will be made public, and progress towards the goal will need to be reported over time. Additional partnership with the Eagle County Sheriff will help assure that crash outcomes are reported to the town and it's residents on a consistent basis. One location where this information can be shared publicly is the Hot Topics section of the town web site.

FEE PROPOSAL

Stolfus will provide the above-described scope of services for a not-to-exceed fee of **$100,000**. Services will be billed on a time and materials basis at our standard hourly rates, a copy of which is attached. Invoices will be prepared monthly, in a format acceptable to the Town of Minturn and the grant administrator (FHWA).

1. Federal Award No.
693JJ32440637

2. Effective Date
See No. 16 Below

3. Assistance Listings No.
20.939

4. Award To
Town of Minturn
301 Boulder St #309
Minturn, CO 81645

Unique Entity Id.: R179TJG2WPX4
TIN No.: 84-6000697

5. Sponsoring Office
U.S. Department of Transportation
Federal Highway Administration
Office of Safety
1200 New Jersey Avenue, SE
HSSA-1, Mail Drop E71-117
Washington, DC 20590

6. Period of Performance
Effective Date of Award – 24 months

7. Total Amount

Federal Share:	$80,000
Recipient Share:	$20,000
Other Federal Funds:	$0
Other Funds:	$0
Total:	$100,000

8. Type of Agreement
Grant

9. Authority
Section 24112 of the Infrastructure Investment and Jobs Act (Pub. L. 117–58, November 15, 2021; also referred to as the "Bipartisan Infrastructure Law" or "BIL")

10. Procurement Request No.
HSA240033PR

11. Federal Funds Obligated
$80,000.00

12. Submit Payment Requests To
See Article 5.

13. Accounting and Appropriations Data
15X0173E50.0000.055SR10500.5592000000.4101 0.61006600.0000000000.0000000000.0000000000. 0000000000

14. Description of the Project

Develop a comprehensive safety action plan for the Town of Minturn

RECIPIENT

15. Signature of Person Authorized to Sign

July 5, 2024

Signature Date

Name: Michelle Metteer

Title: Town Manager

FEDERAL HIGHWAY ADMINISTRATION

16. Signature of Agreement Officer

HECTOR RAMON SANTAMARIA

Digitally signed by HECTOR RAMON SANTAMARIA
Date: 2024.07.11 12:34:18 -04'00'

Signature Date

Name: Hector Santamaria

Title: Agreement Officer

U.S. DEPARTMENT OF TRANSPORTATION

GRANT AGREEMENT UNDER THE FISCAL YEAR 2023 SAFE STREETS AND ROADS FOR ALL GRANT PROGRAM

This agreement is between the United States Department of Transportation's (the "**USDOT**") Federal Highway Administration (the "**FHWA**") and the [insert full name of applicant] (the "**Recipient**").

This agreement reflects the selection of the Recipient to receive a Safe Streets and Roads for All ("**SS4A**") Grant for the [insert project name from the application].

The parties therefore agree to the following:

ARTICLE 1
GENERAL TERMS AND CONDITIONS

1.1 General Terms and Conditions.

(a) In this agreement, "**General Terms and Conditions**" means the content of the document titled "General Terms and Conditions Under the Fiscal Year 2023 Safe Streets and Roads for All ("SS4A") Grant Program,", which is available at https://www.transportation.gov/grants/ss4a/grant-agreements under "Fiscal Year 2023." Articles 7–30 are in the General Terms and Conditions. The General Terms and Conditions are part of this agreement.

(b) The Recipient acknowledges that it has knowledge of the General Terms and Conditions. Recipient also states that it is required to comply with all applicable Federal laws and regulations including, but not limited to, the Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (2 CFR part 200); National Environmental Policy Act (NEPA) (42 U.S.C. § 4321 et seq.); and Build America, Buy America Act (BIL, div. G §§ 70901-27).

(c) The Recipient acknowledges that the General Terms and Conditions impose obligations on the Recipient and that the Recipient's non-compliance with the General Terms and Conditions may result in remedial action, termination of the SS4A Grant, disallowing costs incurred for the Project, requiring the Recipient to refund to the FHWA the SS4A Grant, and reporting the non-compliance in the Federal-government-wide integrity and performance system.

ARTICLE 2
APPLICATION, PROJECT, AND AWARD

2.1 Application.

Application Title: Safe Streets and Roads for All

Application Date: 7/10/2023

2.2 Award Amount.

SS4A Grant Amount: $80,000

2.3 Federal Obligation Information.

Federal Obligation Type: Single

2.4 Budget Period.

Budget Period: See Block 6 of Page 1

2.5 Grant Designation.

Designation: Planning and Demonstration

ARTICLE 3
SUMMARY PROJECT INFORMATION

3.1 Summary of Project's Statement of Work.

The Town will conduct safety action planning with the culmination of a transportation safety action plan which will guide the promotion and prioritization of safety. The proposed Minturn Safety Action Plan will build on and enhance these efforts by guiding decision-making processes, analyzing data and trends, identifying, and addressing key safety issues through a range of countermeasures that address engineering, enforcement, education, and evaluation aspects, and establishing goals, objectives, and performance measures that allow progress to be tracked over time. Together, these efforts will provide a pathway to implement targeted interventions and promote safe behaviors in Minturn, expanding the safety and convenience of multi-modal transportation options within the Town and regionally.

The Town and competitively procured consultants will collect and analyze crash statistics, seek robust stakeholder input to develop goals and objectives, determine emphasis areas, identify crash reduction strategies, and prioritize projects for implementation. Proposed projects will engage the community to identify safety concerns on the roadway network and isolate issues not identified in the data analysis. Engagement strategies will include the creation of a project steering committee comprised of up to eight representatives, two stakeholder meetings, the creation of study branding and website content, an outreach survey, three in-person and/or virtual public meetings, and several community pop-up meetings.

The Town will make a public commitment and set goals to reduce traffic fatalities and accidents. Minturn intends to implement low-cost, high-impact safety and equity strategies such as:

- rumble strips and special paving
- skid-resistant surfaces
- guardrails and barriers
- intersection safety improvements
- signs at pedestrian/ bicycle crossing/school crossings,
- auxiliary lanes (passing, turn, acceleration/deceleration lanes)
- additional lighting, and
- signage that conveys changes and reduces the vehicle speed limit.
-

The project will be completed in: One phase

Planning Phase: Project kickoff through plan completion and subsequent adoption.

3.2 Project's Estimated Schedule.

Action Plan Schedule

Milestone	Schedule Date
Planned NEPA Completion Date:	June 2024
Planned Draft Plan Completion Date:	January 2026
Planned Final Plan Completion Date:	March 2026
Planned Final Plan Adoption Date:	April 2026
Planned SS4A Final Report Date:	May 2026

3.3 Project's Estimated Costs.

(a) Eligible Project Costs

Eligible Project Costs	
SS4A Grant Amount:	$80,000
Other Federal Funds:	$0
State Funds:	$0
Local Funds:	$20,000
In-Kind Match:	$0
Other Funds:	$0
Total Eligible Project Cost:	$100,000

(b) Indirect Costs

Indirect costs are allowable under this Agreement in accordance with 2 CFR part 200 and the Recipient's approved Budget Application. In the event the Recipient's indirect cost rate changes, the Recipient will notify FHWA of the planned adjustment and provide supporting documentation for such

adjustment. This Indirect Cost provision does not operate to waive the limitations on Federal [illegible] provided in this document. The Recipient's indirect costs are allowable only insofar as they do not cause the Recipient to exceed the total obligated funding.

ARTICLE 4

RECIPIENT INFORMATION

4.1 Recipient Contact(s).

Jay Brunvand
Clerk/Treasurer
Town of Minturn
301 Boulder St #309, Minturn, CO 81645
970-445-2411
treasurer@minturn.org

4.2 Recipient Key Personnel.

Name	Title or Position
Michelle Metteer	Town Manager

4.3 USDOT Project Contact(s).

Safe Streets and Roads for All Program Manager
Federal Highway Administration
Office of Safety
HSSA-1, Mail Stop: E71-117
1200 New Jersey Avenue, S.E.
Washington, DC 20590
202-366-2822
SS4A.FHWA@dot.gov

and

Agreement Officer (AO)
Federal Highway Administration
Office of Acquisition and Grants Management
HCFA-33, Mail Stop E62-310
1200 New Jersey Avenue, S.E.
Washington, DC 20590
202-493-2402
HCFASS4A@dot.gov

and

Division Administrator – Colorado
Agreement Officer's Representative (AOR)

12300 W. Dakota Avenue, Suite 180
Lakewood, CO 80228
CO-DIV@dot.gov

and

Ajin Hu
FHWA Colorado Division Office Lead Point of Contact
Grants Program Manager
12300 W. Dakota Avenue, Suite 180
Lakewood, CO 80228
(720) 963-3071
ajin.hu@dot.gov

and

Cohen Turner
FHWA Colorado Division Office
Region 3 Area Engineer
12300 W. Dakota Avenue, Suite 180
Lakewood, CO 80228
(720) 963-3025
cohen.turner@dot.gov

ARTICLE 5
USDOT ADMINISTRATIVE INFORMATION

5.1 Office for Subaward and Contract Authorization.

USDOT Office for Subaward and Contract Authorization: FHWA Office of Acquisition and Grants Management

SUBAWARDS AND CONTRACTS APPROVAL

Note: See 2 CFR § 200.331, Subrecipient and contractor determinations, for definitions of subrecipient (who is awarded a subaward) versus contractor (who is awarded a contract).

Note: Recipients with a procurement system deemed approved and accepted by the Government or by the Agreement Officer (the "**AO**") are exempt from the requirements of this clause. See 2 CFR 200.317 through 200.327. Note: This clause is only applicable to grants that do not include construction.

In accordance with 2 CFR 200.308(c)(6), unless described in the application and funded in the approved award, the Recipient must obtain prior written approval from the AO for the subaward, transfer, or contracting out of any work under this award above the Simplified Acquisition Threshold. This provision does not apply to the acquisition of supplies, material, equipment, or general support services. Approval will be issued through written notification from the AO or a formal amendment to the Agreement.

The following subawards and contracts are currently approved under the Agreement by the AO. This list does not include supplies, material, equipment, or general support services which are exempt from the pre-approval requirements of this clause.

5.2 Reimbursement Requests

(a) The Recipient may request reimbursement of costs incurred within the budget period of this agreement if those costs do not exceed the amount of funds obligated and are allowable under the applicable cost provisions of 2 C.F.R. Part 200, Subpart E. The Recipient shall not request reimbursement more frequently than monthly.

(b) The Recipient shall use the DELPHI iSupplier System to submit requests for reimbursement to the payment office. When requesting reimbursement of costs incurred or credit for cost share incurred, the Recipient shall electronically submit supporting cost detail with the SF-270 (Request for Advance or Reimbursement) or SF-271 (Outlay Report and Request for Reimbursement for Construction Programs) to clearly document all costs incurred.

(c) The Recipient's supporting cost detail shall include a detailed breakout of all costs incurred, including direct labor, indirect costs, other direct costs, travel, etc., and the Recipient shall identify the Federal share and the Recipient's share of costs. If the Recipient does not provide sufficient detail in a request for reimbursement, the Agreement Officer's Representative (the "**AOR**") may withhold processing that request until the Recipient provides sufficient detail.

(d) The USDOT shall not reimburse costs unless the AOR reviews and approves the costs to ensure that progress on this agreement is sufficient to substantiate payment.

(e) In the rare instance the Recipient is unable to receive electronic funds transfers (EFT), payment by EFT would impose a hardship on the Recipient because of their inability to manage an account at a financial institution, and/or the Recipient is unable to use the DELPHI iSupplier System to submit their requests for disbursement, the FHWA may waive the requirement that the Recipient use the DELPHI iSupplier System. The Recipient shall contact the Division Office Lead Point of Contact for instructions on and requirements related to pursuing a waiver.

(f) The requirements set forth in these terms and conditions supersede previous financial invoicing requirements for Recipients.

ARTICLE 6
SPECIAL GRANT TERMS

6.1 SS4A funds must be expended within five years after the grant agreement is executed and DOT obligates the funds, which is the budget period end date in section 10.3 of the Terms and Conditions and section 2.4 in this agreement.

6.2. The Recipient demonstrates compliance with civil rights obligations and nondiscrimination laws, including Titles VI of the Civil Rights Act of 1964, the Americans with Disabilities Act (ADA), and Section 504 of the Rehabilitation Act, and accompanying regulations. Recipients of Federal transportation funding will also be required to comply fully with regulations and guidance for the ADA, Title VI of the Civil Rights Act of 1964, Section 504 of the Rehabilitation Act of 1973, and all other civil rights requirements.

6.3 SS4A Funds will be allocated to the Recipient and made available to the Recipient in accordance with FHWA procedures.

6.4 The Recipient of a Planning and Demonstration Grant acknowledges that the Action Plan will be made publicly available and agrees that it will publish the final Action Plan on a publicly available website.

6.5 There are no other special grant requirements.

ATTACHMENT A
PERFORMANCE MEASUREMENT INFORMATION

Study Area: Town of Minturn, CO
Baseline Measurement Date: N/A
Baseline Report Date: N/A

Table 1: Performance Measure Table

Measure	Category and Description	Measurement Frequency and Reporting Deadline
Equity	Percent of Funds to Underserved Communities: Funding amount (of total project amount) benefitting underserved communities, as defined by USDOT	Within 120 days after the end of the period of performance
Costs	Project Costs: Quantification of the cost of each eligible project carried out using the grant	Within 120 days after the end of the period of performance
Lessons Learned and Recommendations	Lessons Learned and Recommendations: Description of lessons learned and any recommendations relating to future projects or strategies to prevent death and serious injury on roads and streets.	Within 120 days after the end of the period of performance

ATTACHMENT B
CHANGES FROM APPLICATION

Describe all material differences between the scope, schedule, and budget described in the application and the scope, schedule, and budget described in Article 3. The purpose of Attachment B is to clearly and accurately document any differences in scope, schedule, and budget to establish the parties' knowledge and acceptance of those differences. See Article 11 for the Statement of Work, Schedule, and Budget Changes. If there are no changes, please insert "N/A" in Section 3.3 of the table.

Scope: N/A

Schedule: N/A

Budget: N/A

The table below provides a summary comparison of the project budget.

	Application		**Section 3.3**	
Fund Source	$	%	$	%
Previously Incurred Costs (Non-Eligible Project Costs)				
Federal Funds				
Non-Federal Funds				
Total Previously Incurred Costs				
Future Eligible Project Costs				
SS4AFunds		80		80
Other Federal Funds				
Non-Federal Funds		20		20
Total Future Eligible Project Costs				
Total Project Costs		100		100

ATTACHMENT C
RACIAL EQUITY AND BARRIERS TO OPPORTUNITY

1. Efforts to Improve Racial Equity and Reduce Barriers to Opportunity.

The Recipient states that rows marked with "X" in the following table align with the application:

	A racial equity impact analysis has been completed for the Project. *(Identify a report on that analysis or, if no report was produced, describe the analysis and its results in the supporting narrative below.)*
	The Recipient or a project partner has adopted an equity and inclusion program/plan or has otherwise instituted equity-focused policies related to project procurement, material sourcing, construction, inspection, hiring, or other activities designed to ensure racial equity in the overall delivery and implementation of the Project. *(Identify the relevant programs, plans, or policies in the supporting narrative below.)*
	The Project includes physical-barrier-mitigating land bridges, caps, lids, linear parks, and multimodal mobility investments that either redress past barriers to opportunity or that proactively create new connections and opportunities for underserved communities that are underserved by transportation. *(Identify the relevant investments in the supporting narrative below.)*
	The Project includes new or improved walking, biking, and rolling access for individuals with disabilities, especially access that reverses the disproportional impacts of crashes on people of color and mitigates neighborhood bifurcation. *(Identify the new or improved access in the supporting narrative below.)*
	The Project includes new or improved freight access to underserved communities to increase access to goods and job opportunities for those underserved communities. *(Identify the new or improved access in the supporting narrative below.)*
	The Recipient has taken other actions related to the Project to improve racial equity and reduce barriers to opportunity, as described in the supporting narrative below.
X	The Recipient has not yet taken actions related to the Project to improve racial equity and reduce barriers to opportunity but intends to take relevant actions described in the supporting narrative below.
	The Recipient has not taken actions related to the Project to improve racial equity and reduce barriers to opportunity and will not take those actions under this award.

2. Supporting Narrative.

This project will encompass the entire community and identify much needed safety improvements throughout all residential and commercial zones. Those zones currently underserved by not having much needed infrastructure, higher/unsafe speed limits or other measures to ensure a safe street, will be addresses on a priority basis in the final action plan.

ATTACHMENT D
CLIMATE CHANGE AND ENVIRONMENTAL JUSTICE IMPACTS

1. Consideration of Climate Change and Environmental Justice Impacts.

The Recipient states that rows marked with "X" in the following table align with the application:

	The Project directly supports a Local/Regional/State Climate Action Plan that results in lower greenhouse gas emissions. *(Identify the plan in the supporting narrative below.)*
	The Project directly supports a Local/Regional/State Equitable Development Plan that results in lower greenhouse gas emissions. *(Identify the plan in the supporting narrative below.)*
	The Project directly supports a Local/Regional/State Energy Baseline Study that results in lower greenhouse gas emissions. *(Identify the plan in the supporting narrative below.)*
	The Recipient or a project partner used environmental justice tools, such as the EJScreen, to minimize adverse impacts of the Project on environmental justice communities. *(Identify the tool(s) in the supporting narrative below.)*
	The Project supports a modal shift in freight or passenger movement to reduce emissions or reduce induced travel demand. *(Describe that shift in the supporting narrative below.)*
	The Project utilizes demand management strategies to reduce congestion, induced travel demand, and greenhouse gas emissions. *(Describe those strategies in the supporting narrative below.)*
	The Project incorporates electrification infrastructure, zero-emission vehicle infrastructure, or both. *(Describe the incorporated infrastructure in the supporting narrative below.)*
	The Project supports the installation of electric vehicle charging stations. *(Describe that support in the supporting narrative below.)*
	The Project promotes energy efficiency. *(Describe how in the supporting narrative below.)*
	The Project serves the renewable energy supply chain. *(Describe how in the supporting narrative below.)*
	The Project improves disaster preparedness and resiliency *(Describe how in the supporting narrative below.)*
	The Project avoids adverse environmental impacts to air or water quality, wetlands, and endangered species, such as through reduction in Clean Air Act criteria pollutants and greenhouse gases, improved stormwater management, or improved habitat connectivity. *(Describe how in the supporting narrative below.)*
	The Project repairs existing dilapidated or idle infrastructure that is currently causing environmental harm. *(Describe that infrastructure in the supporting narrative below.)*
	The Project supports or incorporates the construction of energy- and location-efficient buildings. *(Describe how in the supporting narrative below.)*

	The Project includes recycling of materials, use of materials known to reduce or reverse carbon emissions, or both. *(Describe the materials in the supporting narrative below.)*
	The Recipient has taken other actions to consider climate change and environmental justice impacts of the Project, as described in the supporting narrative below.
X	The Recipient has not yet taken actions to consider climate change and environmental justice impacts of the Project but will take relevant actions described in the supporting narrative below.
	The Recipient has not taken actions to consider climate change and environmental justice impacts of the Project and will not take those actions under this award.

2. Supporting Narrative.

The Town of Minturn continues to support our climate action goals through the local Climate Action Collaborative. With this spirit in mind, Minturn's climate action plan will support and encourage multi-mode transportation other than personal vehicles for travel within town limits.

ATTACHMENT E
LABOR AND WORKFORCE

1. Efforts to Support Good-Paying Jobs and Strong Labor Standards

The Recipient states that rows marked with "X" in the following table align with the application:

	The Recipient demonstrate, to the full extent possible consistent with the law, an effort to create good-paying jobs with the free and fair choice to join a union and incorporation of high labor standards. *(Identify the relevant agreements and describe the scope of activities they cover in the supporting narrative below.)*
	The Recipient or a project partner has adopted the use of local and economic hiring preferences in the overall delivery and implementation of the Project. *(Describe the relevant provisions in the supporting narrative below.)*
	The Recipient or a project partner has adopted the use of registered apprenticeships in the overall delivery and implementation of the Project. *(Describe the use of registered apprenticeship in the supporting narrative below.)*
	The Recipient or a project partner will provide training and placement programs for underrepresented workers in the overall delivery and implementation of the Project. *(Describe the training programs in the supporting narrative below.)*
	The Recipient or a project partner will support free and fair choice to join a union in the overall delivery and implementation of the Project by investing in workforce development services offered by labor-management training partnerships or setting expectations for contractors to develop labor-management training programs. *(Describe the workforce development services offered by labor-management training partnerships in the supporting narrative below.)*
	The Recipient or a project partner will provide supportive services and cash assistance to address systemic barriers to employment to be able to participate and thrive in training and employment, including childcare, emergency cash assistance for items such as tools, work clothing, application fees and other costs of apprenticeship or required pre-employment training, transportation and travel to training and work sites, and services aimed at helping to retain underrepresented groups like mentoring, support groups, and peer networking. *(Describe the supportive services and/or cash assistance provided to trainees and employees in the supporting narrative below.)*
	The Recipient or a project partner has documented agreements or ordinances in place to hire from certain workforce programs that serve underrepresented groups. *(Identify the relevant agreements and describe the scope of activities they cover in the supporting narrative below.)*
	The Recipient or a project partner participates in a State/Regional/Local comprehensive plan to promote equal opportunity, including removing barriers to hire and preventing harassment on work sites, and that plan demonstrates action to create an inclusive environment with a commitment to equal opportunity, including: a. affirmative efforts to remove barriers to equal employment opportunity above and beyond complying with Federal law; b. proactive partnerships with the U.S. Department of Labor's Office of Federal Contract Compliance Programs to promote compliance

	with EO 11246 Equal Employment Opportunity requirements and meet the requirements as outlined in the Notice of Funding Opportunity to make good faith efforts to meet the goals of 6.9 percent of construction project hours being performed by women and goals that vary based on geography for construction work hours and for work being performed by people of color; c. no discriminatory use of criminal background screens and affirmative steps to recruit and include those with former justice involvement, in accordance with the Fair Chance Act and equal opportunity requirements; d. efforts to prevent harassment based on race, color, religion, sex, sexual orientation, gender identity, and national origin; e. training on anti-harassment and third-party reporting procedures covering employees and contractors; and f. maintaining robust anti-retaliation measures covering employees and contractors. *(Describe the equal opportunity plan in the supporting narrative below.)*
	The Recipient has taken other actions related to the Project to create good-paying jobs with the free and fair choice to join a union and incorporate strong labor standards. *(Describe those actions in the supporting narrative below.)*
x	The Recipient has not yet taken actions related to the Project to create good-paying jobs with the free and fair choice to join a union and incorporate strong labor standards but, before beginning construction of the project, will take relevant actions described in the supporting narrative below.
	The Recipient has not taken actions related to the Project to improving good-paying jobs and strong labor standards and will not take those actions under this award.

2.

2. Supporting Narrative.

The programs and projects that are generated from this action planning effort will be evaluated for their environmental justice impacts. Implementation of the project will also be evaluated based on their ability to create good paying jobs and helping the economy when they are funded.

To: Town Council
From: Cindy Krieg
Date: July 9, 2024
Agenda Item: Amended Resolution 28 - Series 2024 A Resolution Approving a Temporary Use Permit for the Town of Minturn at 171 / 191 Main St.

UPDATE:
At the June 12, 2024 Planning Commission meeting, the Minturn Planning Commission recommended for approval Resolution 28 - Series 2024, a resolution approving a temporary use permit for the Town of Minturn at 171 / 191 Main St. The resolution was recommended for approval with some specific recommendations by the commission.

At the June 19th, 2024 Town Council meeting, Town Council verbally agreed that the recommendations were not necessary to move forward. However, the resolution was not formally amended. For full transparency, this resolution is being brought back to council to remove the following recommendations:

1. That a fence be erected along the sidewalk to prevent bikes from being parked on the sidewalk.
2. That at the end of the approved term, staff evaluate the property for any needed revegetation, and, if so determined, revegetate the site where the tent covered.

The recommendation of wayfinding signage is being implemented and is in progress.

COMMUNITY INPUT:
Public notice was provided in accordance with the Minturn Municipal Code as a matter of posting of the official agenda and packet materials for public review prior to the hearing, and following Section 16-21-610 Public notice. Public input was heard at the June 19th, 2024 Town Council meeting and this update aligns with public input at the June 19th meeting.

STRATEGIC PLAN ALIGNMENT:
PRACTICE FAIR, TRANSPARENT AND COMMUNICATIVE LOCAL GOVERNMENT

SUSTAIN AND INVEST IN THE THINGS THAT DEFINE MINTURN AS A PROUD, STURDY, MOUNTAIN TOWN TO "KEEP MINTURN MINTURN"

RECOMMENDED ACTION OR PROPOSED MOTION:
- Amend Resolution 28 - Series 2024, a resolution approving a temporary use permit for the Town of Minturn at 171 / 191 Main St.

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 28 – SERIES 2024

A RESOLUTION APPROVING TEMPORARY USE APPLICATION TU 01 – 2024 AT 171 MAIN STREET AND 191 MAIN STREET, TOWN OF MINUTURN

WHEREAS, The Town of Minturn submitted a land use application for a Temporary Use Permit to allow for temporary bike parking in May of 2024; and

WHEREAS, The Town of Minturn Town Council ("Town Council") is commissioned with certain powers and duties contained in the Minturn Municipal Code ("MMC") Sec. 16.21.30; and

WHEREAS, public notice was given pursuant to Minturn Municipal Code Sec. 16.21.610; and

WHEREAS, on June 12, 2024 the Town of Minturn Planning Commission ("Planning Commission") held a public hearing on the application pursuant to MMC Sec. 16.21.640; and

WHEREAS, The Town Council may approve the application as submitted or may approve the application subject to such modifications or conditions as it deems necessary to accomplish the purpose of this Article, or the Town Council may deny the application including the following findings:

(c) Criteria. Prior to approval of a temporary use permit, the Planning Director shall consider the following:
  (1) The building or use is not in conflict with applicable health, sanitation, safety or access laws.
  (2) The building or use proposed is a use by right or limited review use in the zone, compatible with the surrounding uses and consistent with the Community Plan and this Chapter.
  (3) There is written assurance that the building or use will be removed or ceased by the required time.
  (4) The Town has written permission from the applicant and landowner to remove the building or use, at the landowner's expense, when not in compliance with this Chapter or the temporary use permit.

(e) Upon receipt of a completed and proper application, the Planning Director shall set a public hearing for the Planning Commission and Town Council. The Planning Director and applicant shall give public notice as required by this Chapter.

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO HEREBY AND HEREWITH:

Section 1. That the application for a Temporary Use Permit for File No. TU 01 – 2024 be approved subject to the following recommendations:

1. That the Temporary Use Permit shall expire October 3rd, 2024.

2. That there be wayfinding signage erected to direct people to the parking area.

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 19TH day of June, 2024.

TOWN OF MINTURN

By: _____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

To: Mayor and Town Council
From: Michelle Metteer
Date: July 17, 2024
Agenda Item: Resolution 34 – Series 2024; A Resolution Adopting the Eagle County Hazard Mitigation Plan

REQUEST:
Staff is recommending the Council approve Resolution 34 – Series 2024; A Resolution Adopting the Eagle County Hazard Mitigation Plan

INTRODUCTION:
An all-county effort led by Birch Barron and his team in the Eagle County Emergency Management Department worked over this past year to update the Eagle County Hazard Mitigation Plan. This plan identifies potential future hazards, community vulnerabilities, assessed threats and impacts to populations. This plan works to support Minturn toward better functioning in the event of a natural l disaster. The goal of this process is to reduce risk and vulnerability of the Minturn public and as identified in the plan, to lessen impacts on life, the economy and infrastructure.

ANALYSIS:
Minturn's profile is included within the Hazard Mitigation Plan and identifies several potential threats to the community. See attachment for complete details**. The adoption of the Eagle County Hazard Mitigation Plan is required in order to be eligible for FEMA in the event of a disaster.**

COMMUNITY INPUT: Minturn provided input in the creation of the Plan.

BUDGET / STAFF IMPACT: None

STRATEGIC PLAN ALIGNMENT:
In accordance with Strategy #4 the Town will advance decisions/projects/initiatives that expand future opportunity and viability for Minturn.

RECOMMENDED ACTION OR PROPOSED MOTION: Motion to approve Resolution 34 – Series 2024 as presented.

Attachments:
- Resolution 34 – Series 2024
- Eagle County Hazard Mitigation Plan
- Minturn Profile

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 34 – SERIES 2024

A RESOLUTION APPROVING AND ADOPTING THE 2024 EAGLE COUNTY HAZARD MITIGATION PLAN FOR THE TOWN OF MINTURN, COLORADO

WHEREAS, the Federal Disaster Mitigation Act of 2000 was signed in to law on October 30, 2000, placing new emphasis on state and local mitigation planning for natural hazards and requiring jurisdictions to adopt a hazard mitigation action plan to be eligible for pre-disaster and post-disaster federal funding for mitigation purposes; and

WHEREAS, a Multi-Jurisdictional Hazard Mitigation Plan was prepared by Eagle County, CO, with assistance from JEO Consulting Group, Inc.

WHEREAS, the purpose of the mitigation plan was to lessen the effects of disasters by increasing the disaster resistance of the county and participating jurisdictions located within the planning area by identifying the hazards that affect Minturn and prioritize mitigation actions and strategies to reduce potential loss of life and property damage from those hazards, and

WHEREAS, FEMA regulations require documentation that the plan has been formally adopted by the governing body of Minturn in the form of a resolution and further requesting approval of the plan at the Federal Level; and

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO THAT THE MINTURN HOUSING ACTION PLAN IS HEREBY APPROVED AND ADOPTED.

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 17th day of July, 2024.

TOWN OF MINTURN

By:_____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

Eagle County

Hazard Mitigation Plan 2024

Prepared by:

JEO CONSULTING GROUP

Eagle County Planning Team

Name	Title	Jurisdiction
Birch Barron	Director of Emergency Management	Eagle County
Fernando Almanza	Deputy Emergency Manager	Eagle County
*Phil Luebbert	Project Coordinator	JEO Consulting Group Inc.
*Karl Dietrich	Planner	JEO Consulting Group Inc.
*Irene Merrifield	Mitigation Planning Supervisor	Colorado Division of Homeland Security and Emergency Management
*Ian Fitzhugh	Mitigation Planning Specialist	Colorado Division of Homeland Security and Emergency Management

**Served in an advisory or consultant role.*

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Section 1: Introduction

Hazard Mitigation Planning

Hazard mitigation planning is a process in which hazards are identified and profiled; people and facilities at-risk are identified and assessed for threats and potential vulnerabilities; and strategies and mitigation measures are identified. Hazard mitigation planning increases the ability of communities and other governmental entities to effectively function in the face of natural disasters. The goal of the process is to reduce risk and vulnerability, in order to lessen impacts on life, the economy, and infrastructure.

FEMA definition of Hazard Mitigation

"Any sustained action taken to reduce or eliminate the long-term risk to human life and property from [natural] hazards."

Severe weather and hazardous events are occurring more frequently in our daily lives. Pursuing mitigation strategies reduces risk and is socially and economically responsible to prevent long-term risks from natural and human-caused hazard events.

Hazards, such as severe winter weather, avalanche, severe wind, intentional attacks, landslides, floods, lightning, and wildfires are part of the world around us. These hazard events can occur as a part of normal operation or because of human error. All jurisdictions participating in this planning process are vulnerable to a wide range of hazards that threaten the safety of residents and have the potential to damage or destroy both public and private property, cause environmental degradation, or disrupt the local economy and overall quality of life.

This plan is an update to the Eagle County Hazard Mitigation Plan approved in 2019. The plan update was developed in compliance with the requirements of the Disaster Mitigation Act of 2000 (DMA 2000). By preparing this plan, Eagle County has demonstrated a commitment to reducing risks from hazards and to helping decision makers establish mitigation activities and resources.

Hazard Mitigation Assistance

On June 1, 2009, FEMA initiated the Hazard Mitigation Assistance program integration, which aligned certain policies and timelines of the various mitigation programs. These Hazard Mitigation Assistance programs present a critical opportunity to minimize the risk to individuals and property from hazards while simultaneously reducing the reliance on federal disaster funds.

Mitigation is the cornerstone of emergency management. Mitigation focuses on breaking the cycle of disaster damage, reconstruction, and repeated damage. Mitigation lessens the impact disasters have on people's lives and property through damage prevention, appropriate development standards, and affordable flood insurance. Through measures such as avoiding building in damage-prone areas, stringent building codes, and floodplain management regulations, the impact on lives and communities is lessened.

- FEMA Mitigation Directorate

Each Hazard Mitigation Assistance program was authorized by separate legislative actions, and as such, each program differs slightly in scope and intent.

- **Hazard Mitigation Grant Program:** To qualify for post-disaster mitigation funds, local jurisdictions must adopt a mitigation plan that is approved by FEMA. Hazard Mitigation Grant Program provides funds to states, territories, Indian tribal governments, local governments, and eligible private non-profits following a presidential disaster declaration. The DMA 2000 authorizes up to seven percent of Hazard Mitigation Grant Program funds available to a state after a disaster to be used for the development or update of state, tribal, and local mitigation plans.

- **Flood Mitigation Assistance:** This program provides grant funds to implement projects such as acquisition or elevation of flood-prone homes. Jurisdictions must be participating communities in the National Flood Insurance Program to qualify for this grant. The goal of Flood Mitigation Assistance is to reduce or eliminate claims under the National Flood Insurance Program.

- **Building Resilient Infrastructure and Communities:** This program replaced the Pre-Disaster Mitigation Program beginning in 2020 and provides funds on an annual allocation basis to local jurisdictions for implementing programs and projects to improve resiliency and local capacity before disaster events.

- **Pre-Disaster Mitigation:** The Pre-Disaster Mitigation grant program makes federal funds available to state, local, tribal, and territorial governments to implement measures designed to reduce the risk to individuals and property from future natural hazards. The Consolidated Appropriations Act of 2023 authorizes funding for 100 projects with total funds of $233,043,782 in 2023.

- **Fire Mitigation Assistance Grants:** Section 404 of the Stafford Act allows FEMA to provide Hazard Mitigation Grant Program grants to any area that received a Fire Management Assistance Grant declaration even if no major Presidential declaration was made. Fire Mitigation Assistance Grants aids communities in implementing long-term mitigation measures after a wildfire event.

For more information about these grant programs and other funding opportunities to help implement identified mitigation actions see *Appendix E: Hazard Mitigation Project Funding Guidebook*.

Summary of Changes

The hazard mitigation planning process undergoes several changes during each plan update to best accommodate the planning area and specific conditions. Changes from the 2019 Hazard Mitigation Plan and planning process in this update included: an updated plan layout, greater efforts to reach and include stakeholder groups, greater effort to include all taxing authorities as participants; a more in-depth funding guidebook; and changes to meet updated FEMA hazard mitigation plan policies. The plan was also updated to reflect changing priorities for each participating jurisdiction. Prioritized hazards of concern were identified by each local planning team along with a review of mitigation actions. Each local planning team reviewed the mitigation actions from 2019 and updated the timeline, priority (high, medium, low), and status. Local planning teams were also able to add new mitigation actions to better fit any changing priorities and concerns. The 2019 Eagle County Hazard Mitigation Plan Review Tool was reviewed for possible changes to incorporate into this plan update and were addressed where applicable. These changes are described in the table below.

Table 1: 2019 Plan Comments and Revisions

Comment/Revision from 2019 Review Tool	Location of Revision	Summary of Changes
Consider utilizing GIS data of hazards, people, and structures during the annual review process to simplify the exposure and vulnerability update in the next plan.	Participant Profile, Appendix A	GIS data and maps were added and included throughout the plan when data was available.

Goals and Objectives

The potential for disaster losses and the probability of occurrence of natural and human-caused hazards present a significant concern for the jurisdictions participating in this plan. The driving motivation behind this hazard mitigation plan is to reduce vulnerability and the likelihood of impacts to the health, safety, and welfare of all citizens in the planning area. To this end, the Eagle County Planning Team reviewed and approved goals which helped guide the process of identifying both broad-based and jurisdictional-specific mitigation strategies and projects that will, if implemented, reduce their vulnerability and help build stronger, more resilient communities.

Goals from the 2019 hazard mitigation plan were reviewed, and the Eagle County Planning Team agreed that they are still relevant and applicable for this plan update. The updated goals and objectives for this plan update are as follows.

Goal 1: Protect Life, Property, and the Environment by Reducing the Impact of Natural and Human-Caused Hazards in Eagle County

Objectives

A. Enhance assessment of multi-hazard risk to life, property and the environment to identify areas within Eagle County that are at particular risk from catastrophic loss due to wildfires, floods, avalanches, and other hazards.
B. Develop and implement action plans to reduce potential loss of life, property, critical infrastructure, and valued resources while protecting the safety of the public and emergency responders.
C. Provide framework for implementation and management of mitigation actions identified by this plan.
D. Increase public education and awareness of hazards and risk reduction measures.

Goal 2: Minimize Economic Losses and Speed Recovery and Redevelopment Following Future Disaster Events

Objectives

A. Strengthen disaster resiliency of governments, businesses, and community members.
B. Promote and conduct continuity of operations and continuity of governance planning.
C. Reduce financial exposure of the county, municipal governments, and fire protection districts.

Goal 3: Implement the Mitigation Actions Identified in this Plan

Objectives

A. Engage collaborative partners, community organizations, businesses, and others.
B. Commit to hazard mitigation principles and integrate mitigation activities into existing and new community plans and policies.
C. Comply with federal and state legislation and guidance for local hazard mitigation planning.
D. Proactively prepare to minimize secondary hazards associated with expected events.
E. Monitor, evaluate, and update the mitigation plan on an annual basis and modify plans as necessary.

Participating Jurisdictions

Jurisdictions that participated in the Eagle County Hazard Mitigation Plan are listed in the table below. These jurisdictions met all the requirements for participation by attending required meetings, assisting in data collection, identifying mitigation actions, reviewing plan drafts, and either adopting the plan by resolution or planning to adopt the plan by resolution.

Table 2: Participating Jurisdictions

Participating Jurisdictions	
Eagle County	Eagle County School District
Town of Avon	Eagle River Fire Protection District
Town of Eagle	Eagle River Water & Sanitation District
Town of Gypsum	Eagle Vail Metropolitan District
Town of Minturn	Eagle Valley Library District
Town of Red Cliff	Eagle Valley Transportation Authority
Town of Vail	Greater Eagle Fire Protection District
Basalt Library District	Gypsum Fire Protection District
Basalt Sanitation District	Mountain Recreation Metropolitan District
Berry Creek Metro District	Roaring Fork Fire Rescue Authority
Cordillera Metro District	Vail Recreation District
Eagle County Paramedic Services	

Section 2: How to Use This Hazard Mitigation Plan

Introduction

This hazard mitigation plan was developed for anyone that lives, works, owns a business, owns land, or visits Eagle County. Different sections of the plan will be helpful to different people. This section is designed to help guide readers to the most relevant information.

How to Use This Document

Jurisdiction that Participated in the Plan

I am a governing official from a participating jurisdiction and want to learn more about the hazards that could impact my jurisdiction, identified strategies to reduce vulnerability to those hazards, how to secure funding for those strategies, and how to keep the plan up to date.

- **Section Three and Appendix C:** To learn about demographics, at-risk populations, housing, employment, economics, social vulnerability, rural capacity index, state and federal areas, and historical sites.
- **Section Five and Appendix A:** To learn about the hazards that could impact Eagle County, where those hazards are likely to occur, how often they are likely to occur, the possible extent of the hazards, how climate change will impact the hazards, and countywide vulnerabilities.
- **Section 6 and Appendix F:** To learn about plan maintenance and how to update your participant section.
- **Section 7:** To learn jurisdictional specific information about Eagle County, local communities, and other local jurisdictions. Each participant section contains information about prioritized hazards, community lifelines, and mitigation strategies.
- **Appendix E:** To learn about various federal, state, and other funding sources to help pay for identified mitigation strategies.

Resident, Landowner, Visitor, or Business

I am a resident, landowner, visitor, or business and want to learn about Eagle County/my community, protecting my family, home, and property from natural and manmade hazards.

- **Section Three and Appendix C:** To learn about demographics, at-risk populations, housing, employment, economics, social vulnerability, rural capacity index, state and federal areas, and historical sites.
- **Section Five and Appendix A:** To learn about the hazards that could impact Eagle County, where those hazards are likely to occur, how often they are likely to occur, the possible extent of the hazards, how climate change will impact the hazards, and countywide vulnerabilities.

- **Section 7:** To learn jurisdictional specific information about Eagle County, local communities, and other local jurisdictions. Each participant section contains information about prioritized hazards, community lifelines, and mitigation strategies.

State or Federal Agency

I am with a state or federal agency and want to learn more about the planning process, hazard risks, and mitigation strategies across all jurisdictions in Eagle County.

- **Section One:** To learn about the goals and objectives of the Eagle County Hazard Mitigation Plan.

- **Section Three and Appendix C:** To learn about demographics, at-risk populations, housing, employment, economics, social vulnerability, rural capacity index, state and federal areas, and historical sites.

- **Section Four and Appendix B:** To learn about the planning process, who attended meetings, and who was invited to participate.

- **Section Five and Appendix A:** To learn about the hazards that could impact Eagle County, where those hazards are likely to occur, how often they are likely to occur, the possible extent of the hazards, how climate change will impact the hazards, and countywide vulnerabilities.

- **Appendix D:** To learn about the mitigation strategies identified by each participating jurisdiction.

Section Three: Planning Area Overview

Introduction

To identify jurisdictional vulnerabilities, it is vitally important to understand the people and built environment of the planning area. The following section provides a summary of Eagle County's characteristics. A more detailed profile broken down by community is covered in *Appendix C*, including demographics, at-risk populations, employment, economics, and housing.

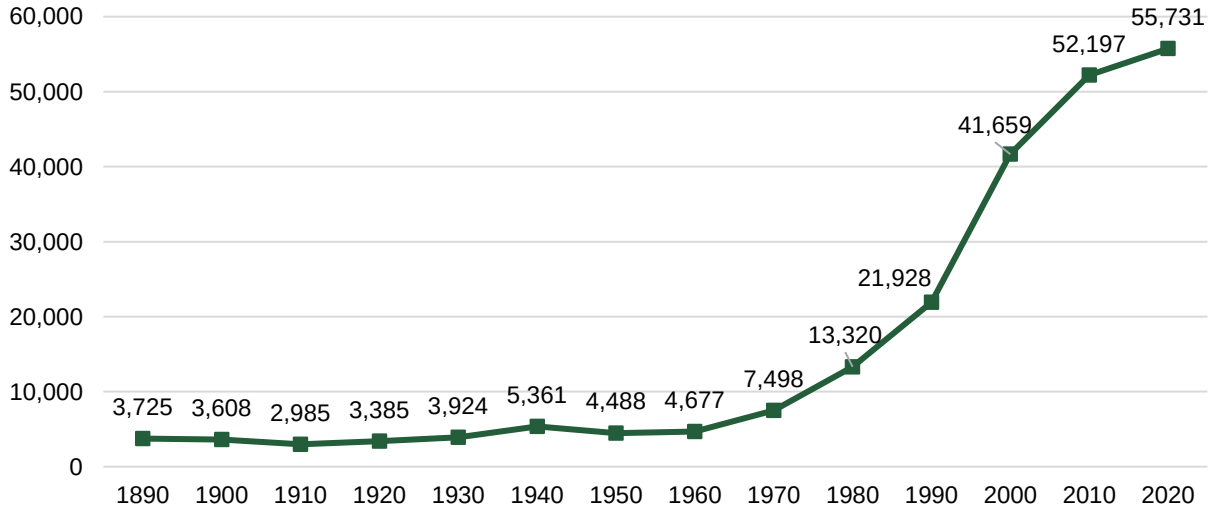
Location and Geography

Eagle County is located in the Rocky Mountains of northwestern Colorado. The county covers 1,692 square miles and elevation ranges from 6,128 feet to 14,011 feet above sea level. The White River National Forest covers a large portion of the eastern and southern portions of the county. There are seven incorporated communities in Eagle County: Town of Avon, Town of Basalt, Town of Eagle, Town of Gypsum, Town of Minturn, Town of Red Cliff, and the Town of Vail. Major transportation routes include Interstate 70, U.S. Highway 6, U.S. Highway 24, State Highway 82, and State Highway 131. Major waterways in the district include the Colorado River, Eagle River, Piney River, Gypsum Creek, Brush Creek, Derby Creek, Rock Creek, Alkali Creek, and Gore Creek. Figure 2 shows Eagle County, incorporated communities, major transportation routes, major waterways, and location within the state.

Demographics

The U.S. Census Bureau collects specific demographic information for Eagle County. The estimated population of the planning area is 55,731.[1]

Figure 1: County Population, 1890-2020



Source: U.S. Census Bureau[2]

1 United States Census Bureau. "2020 Census Bureau Decennial Census: P1: Race." https://data.census.gov/.
2 United States Census Bureau. "2020 Census Bureau Decennial Census: P1: Race." https://data.census.gov/

Figure 2: Eagle County Planning Area

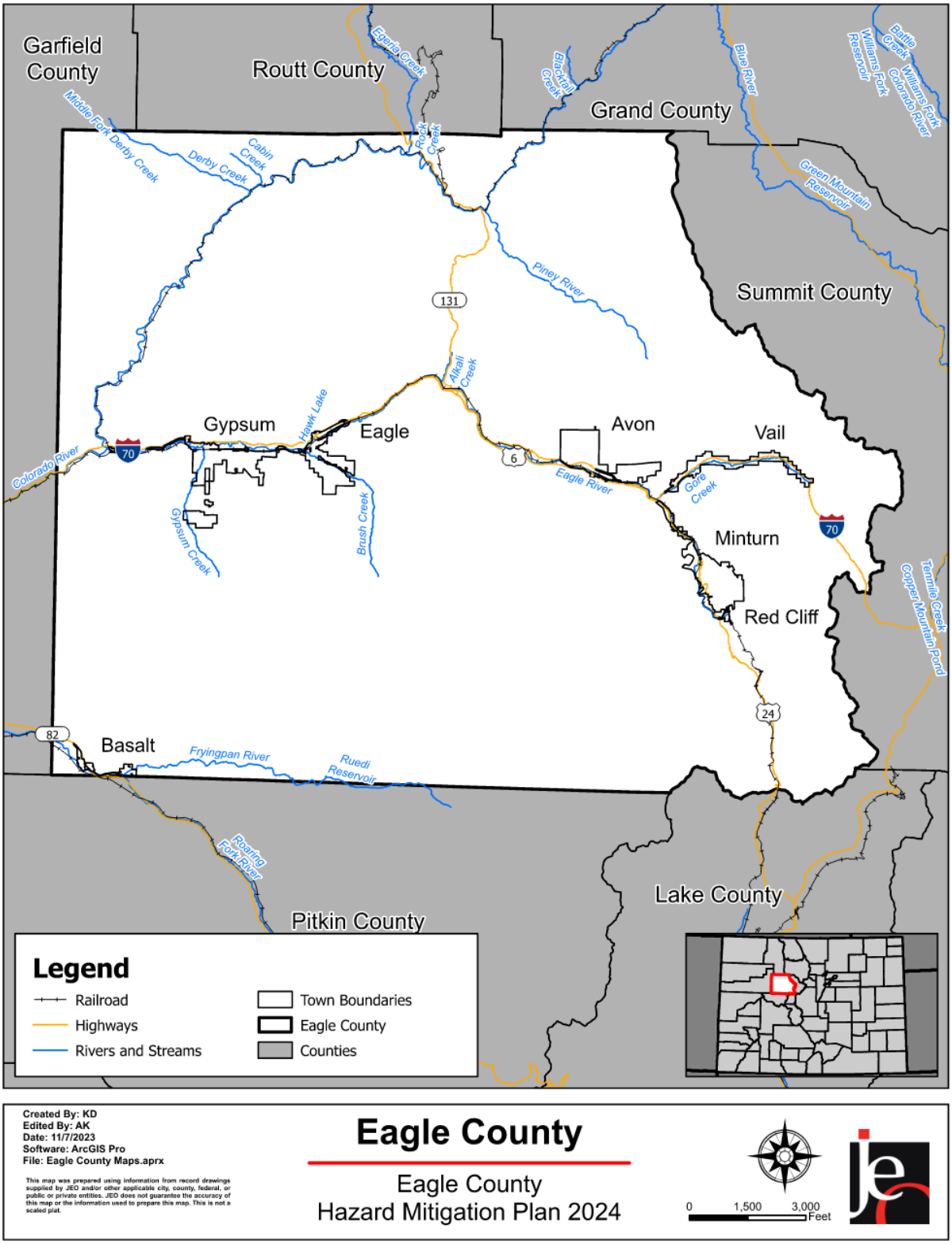
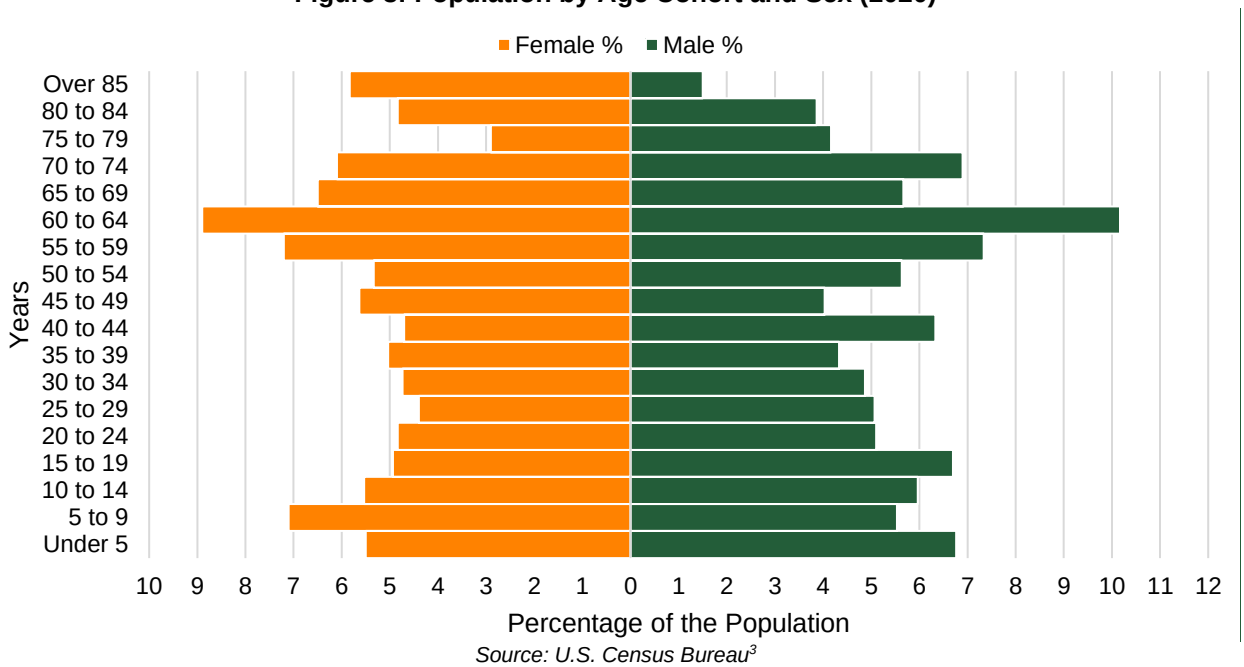


Figure 3: Population by Age Cohort and Sex (2020)



Source: U.S. Census Bureau[3]

Community and regional vulnerability are impacted by growing or declining populations. Areas growing quickly may lack resources to provide services for all residents in a reasonable timeframe including snow removal, emergency storm shelters, repairs to damaged infrastructure, or even tracking the location of vulnerable populations. Eagle County has displayed large population growth since 1970. However, growth has slowed in 2010 and 2020. Additional population information broken down by community can be found in *Appendix C*.

In general, certain populations may have increased vulnerability due to difficulty with medical issues, extremes in age, and communication issues due to language barriers. Several at-risk populations have been identified in Eagle County. These include:

- Schools
- Care Facilities
- Populations That Speak English as a Second Language
- Racial Minorities

The tables on the next page list the at-risk populations in Eagle County. For addition information about at-risk populations see *Appendix C.*

Table 3: School Inventory

School District	Total Enrollment (2022-2023)	Teachers (2022-203)
Eagle County School District	6,623	532

Source: Colorado Department of Education[4,5]

3 United States Census Bureau. "2020 Census Bureau Decennial Census: P1: Race." https://data.census.gov/.
4 Colorado Department of Education. September 2023. "PK-12 Membership Trend by District." https://www.cde.state.co.us/cdereval/pupilcurrent.
5 Colorado Department of Education. September 2023. "Count of Teachers by District, Ethnicity and Gender." https://www.cde.state.co.us/cdereval/pupilcurrent.

Table 4: County Inventory of Care Facilities

Hospitals	Adult Care Homes	Assisted Living Homes
1	1	1

Source: Colorado Department of Public Health and Environment[6]

Table 5: County & State ESL and Poverty At-Risk Populations

Jurisdiction	Percent That Speaks English as Second Language
Eagle County	25.8%
State of Colorado	16.3%

Source: U.S. Census Bureau[7]

Table 6: County Racial Composition Trends

Race	2010 Number	2010 % of Total	2021 Number	2021 % of Total	% Change
White, Not Hispanic	43,428	83.2%	45,334	81.4%	-1.8%
Black	365	0.7%	501	0.9%	0.2%
American Indian and Alaskan Native	365	0.7%	56	0.1%	-0.6%
Asian	522	1.0%	779	1.4%	0.4%
Native Hawaiian and Other Pacific Islander	0	0.0%	56	0.1%	0.1%
Other Races	6,421	12.3%	2,061	3.7%	-8.6%
Two or More Races	1,096	2.1%	6,906	12.4%	10.3
Total Population	**52,197**	**-**	**55,694**	**-**	**-**

Source: U.S. Census Bureau[8,9]

Housing

The U.S. Census Bureau provides information related to housing units and potential areas of vulnerability. Potentially vulnerable housing characteristics include vacant housing, rental properties, mobile homes, older housing, those with no internet, and homes with no vehicles available. The tables below show vulnerable housing characteristics in Eagle County. Additional housing information broken down by community can be found in *Appendix C*.

Table 7: County Housing Characteristics

Jurisdiction	Occupied Housing Units	Vacant Housing Units	Owner Occupied Housing Units	Renter Occupied Housing Units
Eagle County	19,511 (59.8)	13,100 (40.2%)	13,884 (71.2%)	5,627 (28.8%)

Source: U.S. Census Bureau[10]

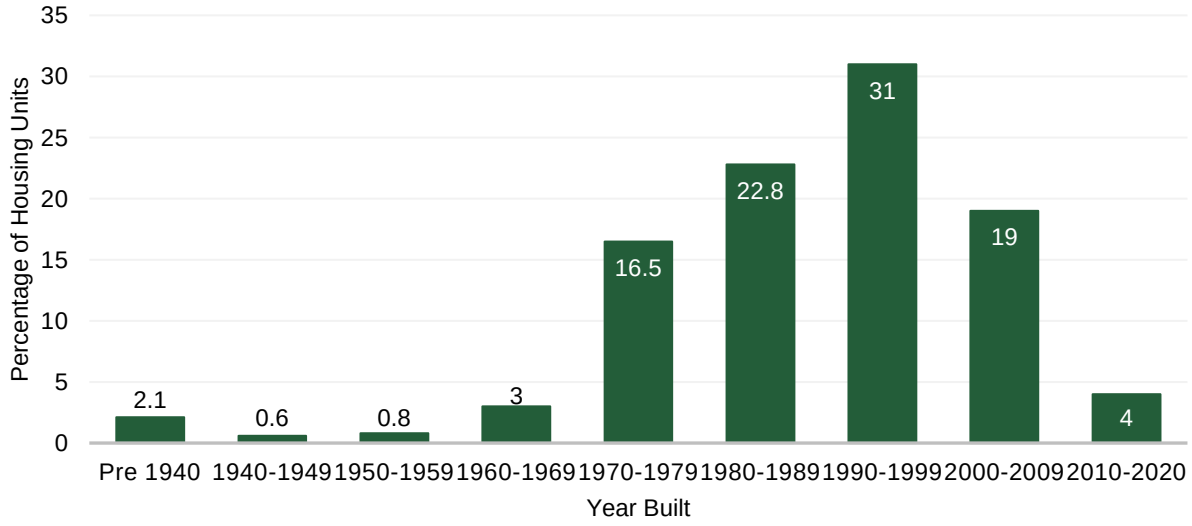
6 Colorado Department of Public Health and Environment. 2023. "Regulated Health Facilities". https://cdphe.colorado.gov/find-and-compare-facilities.
7 United States Census Bureau. "2021 Census Bureau American Community Survey: S1601: Language Spoken at Home." https://data.census.gov/.
8 United States Census Bureau. "2010 Census Redistricting Data (Public Law 94-171): P1: Race." https://data.census.gov.
9 United States Census Bureau. "2021 Census Bureau American Community Survey: DP05: ACS Demographic and Housing Estimates." https://data.census.gov/.
10 United States Census Bureau. "2021 Census Bureau American Community Survey: DP04: Selected Housing Characteristics." https://data.census.gov/.

Table 8: Vulnerable County & State Housing Characteristics

Housing Characteristics	Eagle County	State of Colorado
Occupied Housing Units	19,511 (59.8%)	2,227,932 (90.8%)
Lacking Complete Plumbing Facilities	0.1%	0.3%
Lacking Complete Kitchen Facilities	0.5%	0.7%
No Telephone Service Available	1.0%	1.0%
Broadband Internet Subscription	95.1%	90.9%
No Vehicles Available	3.4%	5.0%
Mobile Homes	5.9%	3.8%

Source: U.S. Census Bureau[11,12]

Figure 4: Housing Age in Eagle County



Source: U.S. Census Bureau[13]

Housing Crisis

Eagle County is a highly desirable area to visit and live in, with premier ski resorts and abundant public land for recreation. However, the cost of housing in Eagle County has increased dramatically over the last decade because of low interest rates on secondary properties and increases in short-term rental properties. The lack of available and affordable workforce housing has caused many employers to have unfilled positions. Those working in Eagle County often have to pay high rents, work multiple jobs, or commute into the county from other areas.[14]

11 United States Census Bureau. "2021 Census Bureau American Community Survey: DP04: Selected Housing Characteristics." https://data.census.gov/.
12 United States Census Bureau. "2021 Census Bureau American Community Survey: DP02: Selected Social Characteristics in the United States." https://data.census.gov/.
13 United States Census Bureau. "2021 Census Bureau American Community Survey: DP04: Selected Housing Characteristics". https://data.census.gov/.
14 Eagle County. December 2023. "Eagle County Community Wildfire Protection Plan". https://csfs.colostate.edu/wp-content/uploads/2023/12/Community_Wildfire_Protection_Plan-ECFinal.pdf.

Employment and Economics

The U.S. Census Bureau provides information related to employment and economic indicators. Low-income populations and the unemployed may be more vulnerable to certain hazards like flooding and severe winter weather. Additional employment and economic information broken down by community can be found in *Appendix C*.

Table 9: Vulnerable Employment & Economic Characteristics

Employment and Economic Characteristics	Eagle County	State of Colorado
Percent of People Living Below the Poverty Line	9.2%	9.6%
Median Household Income	$91,338	$80,184
Unemployment Rate	3.9%	4.6%

Source: U.S. Census Bureau[15]

15 United States Census Bureau. "2021 Census Bureau American Community Survey: DP03: Selected Economic Characteristics." https://data.census.gov/.

Section Four: Planning Process Summary

Introduction

The process utilized to develop a hazard mitigation plan is often as important as the final planning document. For this planning process, Eagle County adapted the four-step hazard mitigation planning process outlined by FEMA to fit the needs of the participating jurisdictions. The following pages give a summary of the planning process that took place during the plan update.

FEMA Planning Process Requirements

Requirement §201.6(b): Planning process. An open public involvement process is essential to the development of an effective plan. In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include:

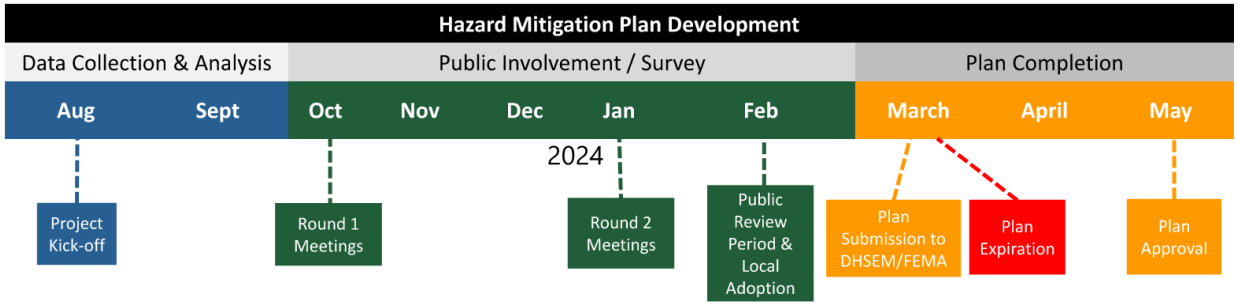
(1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;
(2) An opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process; and
(3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.

Requirement §201.6(c)(1): The plan shall document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.

Plan Update Process

Once Eagle County was awarded a FEMA grant for their hazard mitigation plan update, JEO Consulting Group, Inc. was contracted to assist, guide, and facilitate the planning process and plan assembly. To start the project, a meeting was held between Eagle County staff and JEO Consulting Group, Inc. to discuss the planning process and a general schedule for the plan update (Figure 5).

Figure 5: Project Timeline



To be a participant in the development of this plan update, jurisdictions were required to have, at a minimum, one representative present at the Round 1 or Round 2 meetings, view meeting recordings, or attend a follow-up meeting with either JEO Consulting Group, Inc. or Eagle County.

Round 1 Meetings: Hazard Identification & Plan Integration

The intent of the Round 1 Meeting was to familiarize jurisdictional representatives (i.e., the local planning teams), stakeholders, and the public with the plan update process, expected actions for the coming months, the responsibilities of being a participant, and to collect preliminary information to update the plan. After the meeting the attendees conducted risk and vulnerability assessments based on local capabilities, previous occurrences of hazards, and potential exposure. In addition, local planning team members evaluated potential integration of the hazard mitigation plan alongside other local planning mechanisms.

The Round 1 Meeting was held as hybrid a meeting where participants, stakeholders, and the public could either join in-person or online via Google Meets. The meeting was held on Monday October 2, 2023, at the Eagle County Building Emergency Operations Center from 10:00am to 11:30am. Virtual and in-person sign-in sheets can be found in *Appendix B*.

Round 2 Meetings: Mitigation Strategies, National Flood Insurance Program, & Plan Maintenance

Round 2 Meetings are designed to identify and prioritize new mitigation measures, update previous mitigation actions from the 2019 hazard mitigation plan, update National Flood Insurance Program information, and identify when the plan would be reviewed and by whom. Attendees were also asked to review the information collected from the Round 1 meeting related to their jurisdiction through this planning process for accuracy.

The Round 2 Meeting was held as hybrid a meeting where participants, stakeholders, and the public could either join in-person or online via Google Meets. The meeting was held on Wednesday January 17, 2024, at the Eagle County Building Emergency Operations Center from 10:30am to 11:30am. Virtual and in-person sign-in sheets can be found in *Appendix B*.

Public Review

Once the hazard mitigation plan draft was completed, a public review period was opened to allow local planning teams and community members at large to review the plan, provide comments, and request changes. The public review period was open from February 28, 2024, through March 13, 2024. Participating jurisdictions were emailed a notification of this public review period. A link to the draft plan was also made available on the county's website (https://www.eaglecounty.us/departments__services/emergency_management/emergency_plans.php). Jurisdictions and the public could provide comments via mail or email. A review of the comments and who they were from can be found in *Appendix B*. All changes and comments were reviewed incorporated into the plan as applicable.

Plan Adoption

Based on FEMA requirements, this multi-jurisdictional hazard mitigation plan must be formally adopted by each participant through approval of a resolution. This approval will create individual ownership of the plan by each participant. Formal adoption provides evidence of a participant's full commitment to implement the plan's goals, objectives, and action items. A copy of the resolution draft provided to participating jurisdictions is located in *Appendix B* along with any copies adoption resolutions that have already been received.

FEMA Plan Adoption Requirement

Requirement §201.6(c)(5): For multi-jurisdictional plans, each jurisdiction requesting approval of the plan must document that it has been formally adopted.

Stakeholder and Public Involvement

To notify and engage the public in the planning process, a wide range of stakeholder groups, State of Colorado agencies, neighboring jurisdictions, and the general public were contacted and encouraged to participate in the plan update. Lists of the notified stakeholders, agencies, and neighboring jurisdictions can be found in *Appendix B*.

The Eagle County Planning Team was asked to identify any underserved communities or vulnerable populations in the planning area not already identified, so they could have the opportunity to be involved in the planning process. The planning team identified individuals and families where Spanish is the primary language spoken. To include this group, the public survey was made available in Spanish and the project website was also made available in Spanish.

Stakeholder Groups

There were 37 stakeholder groups that were identified and emailed invitations to participate in the planning process by attending meetings. Climax Molybdenum, Vail Mountain School, Stone Creek Charter School, Arrowhead Metro District, Lake Creek Metro District, Reudi Shores Metro District, Timber Springs Metro, Holland Creek Metro District, Red Sky Ranch Metro District, Two Rivers Metro District, Bachelor Gulch Metro District, and Buckhorn Valley Metro District attended meetings. Vail Mountain School returned information about their prioritized hazards of concern. Those hazards and reasons they were selected as a prioritized hazard are given below.

- Avalanche: Vail Mountain School is concerned with avalanches because they threaten backcountry school programming and experiential education, risk of injury to students and staff, blocked transportation routes, and damage to the school building.
- Drought: Direct impacts on the school are unlikely, however, drought can have a large impact on the local ski and recreation economy. This can have a trickle-down effect on the school budget and student population. Drought also increases the likelihood of wildfires.
- Landslides: Vail Mountain School is concerned with landslides because of the risk of injury to students and staff, blocked transportation routes, disruption of services, and damage to the school building.
- Severe Winter Weather: Vail Mountain School is concerned with severe winter weather's ability to cause injuries, blocked transportation routes, and disruption of services. As the only route through Dowd Junction and over Vail Pass, the school is interrupted when severe weather closes Interstate 70.
- Wildfire: Vail Mountain School is concerned with a wildfire impacting families causing them to leave the area. Wildfire could also damage the school and cause a long-term disruption in operations and school programing.

State of Colorado Agencies

To comply with the additional State of Colorado plan requirements various state agencies were contacted and emailed invitations to participate in the planning process by attending meetings or reviewing the draft plan. Representatives from Colorado Department of Transportation, Colorado Department of Natural Resources, and Colorado Division of Homeland Security and Emergency Management attended the public meetings.

Neighboring Jurisdictions

Neighboring jurisdictions were notified and invited to participate in the planning process by attending meetings. A representative from Summit County and the City of Leadville attended the Round 1 Meeting. No comments or revisions were received from any neighboring jurisdictions.

Public Survey

The general public was encouraged to participate in the planning process through a public survey that was available online and by hard copy in both English and Spanish. The survey was shared with the public using the county's website, social media posts, and direct contacts. Copies of the survey along with outreach documentation can be found in *Appendix B*. The purpose of the survey was to collect specific concerns related to hazards and projects the public have a vested interest in. It was available beginning after the Round 1 meeting and closing a week prior to the Round 2 meeting. In total there were 92 total responses to the survey from members of the public with a majority (40/92) coming from the Town of Gypsum.

Results of the public survey were shared with participating jurisdictions during the Round 2 meeting. These results helped influence hazard prioritization and mitigation actions selected by local planning teams. The public survey could also be used by participating jurisdictions to determine needed capabilities and future outreach preferences.

The most commonly experienced hazard events for residents included wildfire, severe winter weather, and lightning. This was similar to the ranked level of concern for hazard events, with one major difference, drought. The top hazards of concern included: wildfire, drought and severe winter weather. Wildfire fuels reduction and early warning systems were the most popular mitigation projects of importance for the public. The full results of the public survey can be found in *Appendix B*.

Section Five: Risk Assessment Summary

Introduction

The ultimate purpose of this hazard mitigation plan is to minimize the loss of life and property across Eagle County due to natural and human-caused hazards. The basis for the planning process is the county and local risk assessment. This section contains a summary of potential hazards, county vulnerabilities and exposures, probability of future occurrences, and potential impacts and losses. By conducting a county and local risk assessment, participating jurisdictions can develop specific strategies to address areas of concern identified through this process. This section is meant to provide a summary of the risk assessment for Eagle County. The full risk assessment can be found in *Appendix A*.

Hazard Identification

The identification of relevant hazards for Eagle County began with a review of the Colorado Enhanced State Hazard Mitigation Plan 2023-2028. The Eagle County Planning Team reviewed, discussed, and determined the list of hazards to be profiled in this hazard mitigation plan update. It was decided that the hazards addressed in the 2019 Hazard Mitigation Plan were still applicable and would be used for this plan update. Two hazards were added to the plan: intentional attack and transportation incidents. The hazards for which a risk assessment was completed are listed below.

Table 10: Hazards Addressed in the Plan

Hazards Addressed in the Plan		
Avalanche	Landslides	Transportation Incidents
Drought	Lightning	Wildfire
Floods	Severe Wind	
Intentional Attack	Severe Winter Weather	

Hazards identified in the Colorado Enhanced State Hazard Mitigation Plan 2023 - 2028 that were not identified in the Eagle County Hazard Mitigation Plan update include the following list.[16]

- Animal Disease Outbreak
- Earthquake
- Erosion / Deposition
- Expansive Soils
- Extreme Heat
- Ground Subsidence
- Pandemic
- Hail
- Pest Infestation
- Tornado

16 Colorado Division of Homeland Security & Emergency Management. 2023. "Colorado Enhanced State Hazard Mitigation Plan 2023-2028". https://drive.google.com/file/d/1MPL0Oiy-yZYDIMziTvYkR12s35FzG-G8/view.

These hazards were reviewed by Eagle County and were chosen to not be included in this plan due to a variety of reasons including either a lack of historical events/impacts, discussion/inclusion in already identified hazards, posing minimal risk to Eagle County, or would be better addressed in other planning documents or mechanisms.

Hazard Assessment Summary Tables

The following table provides an overview of the data contained in the hazard profiles. This table is intended to be a quick reference for people using the plan. There are five main pieces of data used within these tables.

- **Property and Crop Damage in Dollars:** This is the total dollar amount of all property damage and crop damage as recorded in federal, state, and local data sources. The limitation to these data sources is that dollar figures usually are estimates and often do not include all damages from every event, but only officially recorded damages from reported events.

- **Total Years of Record:** This is the span of years there is data available for recorded events.

- **Number of Hazard Events:** This shows how often an event occurs. The frequency of a hazard event will affect how a community responds. Severe winter weather may not cause much damage each time, but multiple storms can have an incremental effect on housing and utilities. In contrast, severe wind can have a widespread effect on a community.

- **Annual probability:** This can be calculated based on the total years of record and the total number of years in which an event occurred. An example of the annual probability estimate is found below:

$$\boldsymbol{Annual\ Probability}\ (\%) = \frac{Total\ Years\ with\ an\ Event\ Occuring\ (\#)}{Total\ Years\ of\ Record\ (\#)}\ x\ 100$$

The following table provides loss estimates for hazards with sufficient data. Detailed descriptions of major events are included in *Appendix A* and *Section Eight.* It should be noted that National Centers for Environmental Information (NCEI) data are not all inclusive and the database provides very limited information on crop losses. To provide a better picture of the crop losses associated with the hazards within Eagle County, crop loss information provided by the Spatial Hazard Events and Losses Database for the United States (SHELDUS) was utilized for this update of the plan. Data for all the hazards are not always available, so only those with an available dataset are included in the loss estimation.

Table 11: Loss Estimation for Eagle County

Hazard Type		Number of Events	Property Damage[1]	Crop Damage[2]
Avalanche[11]		14	N/A	N/A
Drought[5]		551 out of 1,545 Months	$0	$943,396
Floods	Flash Flood[1]	22	$727,500	$172,414
	Flood[1]	10	$3,240,000	
	Dam Failure[3]	4	N/A	N/A
Intentional Attack[4]		1	$24,000,000	N/A
Landslides[1]		19	$3,206,000	$0
Lightning[2]		8	$513,379	$0
Severe Wind[1]	Strong Wind	7	$35,500	$9,747
	Thunderstorm Wind	32	$14,000	
Severe Winter Weather[1]	Blizzard	3	N/A	N/A
	Extreme Cold/Wind Chill	1	N/A	
	Heavy Snow	178	N/A	
	Ice Storm	1	N/A	
	Winter Storm	441	N/A	
	Winter Weather	939	N/A	
Transportation Incidents	Auto[7]	14,700	N/A	N/A
	Aviation[8]	49	N/A	
	Rail[9]	30	$16,421,960	
	Hazardous Materials Release[10,12]	87	$1,044,567	
Wildfire[6]		1,447	$14,030,000	$0
Total		**17,993**	**$63,232,906**	**$1,125,557**

1 – NCEI, 1996 – May 2023[17]
2 – SHELDUS, 1960 – 2021[18]
3 – Standford University, 1890 – September 2023[19]
4 – University of Maryland, 1970-2020.[20] Eagle County Planning Team
5 – NCEI, 1895 – September 2023[21]
6 – U.S. Forest Service, 1992 – 2020[22]

17 National Centers for Environmental Information. May 2023. "Storm Events Database". https://www.ncdc.noaa.gov/stormevents/choosedates.jsp?statefips=8%2CCOLORADO.
18 Arizona State University. 2021. "Spatial Hazard Events and Losses Database for the United States". https://sheldus.asu.edu/SHELDUS/.
19 Stanford University. September 2023. "National Performance of Dams Program: Dam Incident Database." http://npdp.stanford.edu/dam_incidents.
20 University of Maryland and National Consortium for the Study of Terrorism and Response to Terrorism. 1970-2020. "Global Terrorism Database". https://www.start.umd.edu/gtd/.
21 National Centers for Environmental Information. 1895-Sept 2023. "County Time Series". https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/county/time-series/CO-037/pdsi/all/9/1895-2023?base_prd=true&begbaseyear=1901&endbaseyear=2000.
22 U.S. Forest Service. 2022. "Spatial Wildfire Occurrence Data for the United States, 1992-2020". https://www.fs.usda.gov/rds/archive/catalog/RDS-2013-0009.6.

7 – Colorado Department of Transportation, 2010 – 2022[23]
8 – National Transportation Safety Board, 1962 – September 2023[24]
9 – Federal Railroad Administration, 1975 – July 2023[25]
10 – Pipeline and Hazardous Materials Safety Administration, 1971 – 2022[26]
11 – Colorado Avalanche Information Center, 2010 – 2023[27]
12 – Colorado State Patrol, 2013 – 2023[28]

Table 12: County Risk Assessment

Hazard	Previous Occurrence Events/Years of Record	Approximate Annual Probability	Likely Extent
Avalanche[11]	10/14	71%	D1-D5
Drought[5]	551/1,545 months	36%	D1-D4
Floods[1,3]	Floods: 19/27 Dam Failure: 4/133	Floods: 70% Dam Failure: 3%	Some inundation of structures (5% of structures) and roads near streams. Some evacuations of people may be necessary
Intentional Attack[4]	1/51	2%	Varies by event
Landslides[1]	11/27	41%	Varies by event
Lightning[2]	61/61	100%	Varies by event
Severe Wind[1]	13/27	48%	Avg: 65 mph Range: 52-92 mph
Severe Winter Weather[1]	27/27	100%	15°-30° below zero (wind chill) 2-24” snow
Transportation Incidents[7,8,9,10,12]	Auto: 13/13 Aviation: 33/61 Rail: 20/48 Hazardous Material Release: 11/11	Auto: 100% Aviation: 54% Rail: 42% Hazardous Material Release: 100%	Varies by event
Wildfire[6]	1,447/29	100%	Avg 28.4 acres Homes and structures in the WUI at risk

1 – NCEI, 1996 – May 2023[29]
2 – SHELDUS, 1960 – 2021[30]
3 – Standford University, 1890 – September 2023[31]

23 Colorado Department of Transportation. 2010-2022. “Colorado Crash Data Dashboard”. https://tableau.state.co.us/t/CDOT/views/CDOTCrashSummaryAVtestver2_0/StatewideSummary?%3Aorigin=card_share_link&%3Aembed=y&%3AisGuestRedirectFromVizportal=y.
24 National Transportation Safety Board. 1962-September 2023. “Aviation Accident Database”. https://www.ntsb.gov/Pages/AviationQueryV2.aspx.
25 Federal Railroad Administration. 1975-July 2023. “Summary of Train Accidents with Reportable Damage, Casualties, and Major Causes”. https://safetydata.fra.dot.gov/OfficeofSafety/publicsite/query/TrainAccidentDamage.aspx.
26 Pipeline and Hazardous Materials Safety Administration. 1971-2022. "Incident Statistics: Colorado". https://www.phmsa.dot.gov/hazmat-program-management-data-and-statistics/data-operations/incident-statistics.
27 Colorado Avalanche Information Center. 2023. “Colorado Avalanche Accidents”. https://avalanche.state.co.us/accidents/colorado.
28 Colorado State Patrol. 2013-2023. Direct Communication.
29 National Centers for Environmental Information. May 2023. “Storm Events Database”. https://www.ncdc.noaa.gov/stormevents/choosedates.jsp?statefips=8%2CCOLORADO.
30 Arizona State University. 2021. “Spatial Hazard Events and Losses Database for the United States”. https://sheldus.asu.edu/SHELDUS/.
31 Stanford University. September 2023. “National Performance of Dams Program: Dam Incident Database.” http://npdp.stanford.edu/dam_incidents.

4 – University of Maryland, 1970-2020.[32] Eagle County Planning Team
5 – NCEI, 1895 – September 2023[33]
6 – U.S. Forest Service, 1992 – 2020[34]
7 – Colorado Department of Transportation, 2010 – 2022[35]
8 – National Transportation Safety Board, 1962 – September 2023[36]
9 – Federal Railroad Administration, 1975 – July 2023[37]
10 – Pipeline and Hazardous Materials Safety Administration, 1971 – 2022[38]
11 – Colorado Avalanche Information Center, 2010 – 2023[39]
12 – Colorado State Patrol, 2013 – 2023[40]

FEMA National Risk Index

FEMA's National Risk Index is an online tool that analyzes natural hazard and community risk factors to develop a risk measurement for each county in the United States. Eighteen natural hazards are given a score from very high to very low. The table below gives the National Risk Index ratings for Eagle County. Risk Index scores are calculated using an equation that combines scores for expected annual loss, social vulnerability, and community resilience. All values fall between 0 (lowest possible value) and 100 (highest possible value).

Table 13: National Risk Index

Hazard	Eagle County
Avalanche	Very High (94.7)
Coastal Flooding	Not Applicable
Cold Wave	Very Low (27.9)
Drought	Very Low (22.2)
Earthquake	Very Low (60.0
Hail	Relatively Low (69.0)
Heat Wave	No Rating (0.0)
Hurricane	Not Applicable
Ice Storm	Relatively Low (49.3)
Landslide	Relatively Moderate (94.7)
Lightning	Relatively Moderate (83.5)
Riverine Flooding	Relatively Low (50.6)
Strong Wind	Very Low (3.6)
Tornado	Very Low (16.0)
Tsunami	Not Applicable
Volcanic Activity	Not Applicable

32 University of Maryland and National Consortium for the Study of Terrorism and Response to Terrorism. 1970-2020. "Global Terrorism Database". https://www.start.umd.edu/gtd/.
33 National Centers for Environmental Information. 1895-Sept 2023. "County Time Series". https://www.ncei.noaa.gov/access/monitoring/climate-at-a-glance/county/time-series/CO-037/pdsi/all/9/1895-2023?base_prd=true&begbaseyear=1901&endbaseyear=2000.
34 U.S. Forest Service. 2022. "Spatial Wildfire Occurrence Data for the United States, 1992-2020". https://www.fs.usda.gov/rds/archive/catalog/RDS-2013-0009.6.
35 Colorado Department of Transportation. 2010-2022. "Colorado Crash Data Dashboard". https://tableau.state.co.us/t/CDOT/views/CDOTCrashSummaryAVtestver2_0/StatewideSummary?%3Aorigin=card_share_link&%3Aembed=y&%3AisGuestRedirectFromVizportal=y.
36 National Transportation Safety Board. 1962-September 2023. "Aviation Accident Database". https://www.ntsb.gov/Pages/AviationQueryV2.aspx.
37 Federal Railroad Administration. 1975-July 2023. "Summary of Train Accidents with Reportable Damage, Casualties, and Major Causes". https://safetydata.fra.dot.gov/OfficeofSafety/publicsite/query/TrainAccidentDamage.aspx.
38 Pipeline and Hazardous Materials Safety Administration. 1971-2022. "Incident Statistics: Colorado". https://www.phmsa.dot.gov/hazmat-program-management-data-and-statistics/data-operations/incident-statistics.
39 Colorado Avalanche Information Center. 2023. "Colorado Avalanche Accidents". https://avalanche.state.co.us/accidents/colorado.
40 Colorado State Patrol. 2013-2023. Direct Communication.

Hazard	Eagle County
Wildfire	Relatively Low (65.0)
Winter Weather	Very Low (4.0)
Overall Score	**Very Low (32.01)**

Source: FEMA[41]

Historical Disaster Declarations

Presidential Disaster Declarations

Presidential disaster declarations by county are available via FEMA from 1953 to October 2023. The following table describes the presidential disaster declarations within the county for the period of record. Eagle County has received nine presidential disaster declarations.

Table 14: Presidential Disaster Declarations

Disaster Declaration Number	Declaration Date	Title	Incident Type
719	7/27/1984	Severe Storms, Mudslides, Landslides & Flooding	Flood
1421	6/19/2002	Wildfires	Fire
2457	7/31/2002	CO – Panorama Fire	Fire
3025	1/29/1977	Drought	Drought
3224	9/5/2005	Hurricane Katrina Evacuation	Coastal Storm
3436	3/13/2020	Covid-19	Biological
4498	3/28/2020	Covid-19 Pandemic	Biological
5249	7/4/2018	Lake Christine Fire	Fire
5334	8/19/2020	Grizzly Creek Fire	Fire

Source: Federal Emergency Management Agency, 1953-October 2023[42]

USDA Secretarial Disasters

Several U.S. Department of Agriculture Secretarial Disasters for Eagle County have occurred since 2012. Table 15 lists these disaster events. All of the disasters were for drought.

Table 15: USDA Secretarial Disasters (2012-2023)

Year	Type	Declaration Number
2012	Drought	S3260
2013	Drought	S3456
2013	Drought	S3548
2013	Drought	S3575
2018	Drought	S4336
2018	Drought	S4352
2018	Drought	S4386
2019	Drought	S4468
2019	Drought	S4481
2020	Drought	S4648
2020	Drought	S4755

41 FEMA. "The National Risk Index". Accessed September 2023. https://hazards.fema.gov/nri/map.
42 Federal Emergency Management Agency. October 2023. "Disaster Declarations". https://www.fema.gov/openfema-data-page/disaster-declarations-summaries-v2.

Year	Type	Declaration Number
2020	Drought	S4770
2020	Drought	S4775
2021	Drought	S4917
2022	Drought	S5147

Source: U.S. Department of Agriculture, 2003-2021[43]

Hazard Profiles

Information from participating jurisdictions was collected and reviewed alongside hazard occurrence, magnitude, and event narratives as provided by local, state, and federal databases. Profiles for each identified hazard in the plan were created to examine their risk and potential impact in Eagle County. These full profiles can be found in *Appendix A*. Hazards of local concern or events which have deviated from the norm are discussed in greater detail in each respective participant profile (see *Section Eight* of this plan).

Local planning teams prioritized hazards of concern from the county hazard list based on historical hazard occurrences, potential impacts, and local capabilities. The table below lists the participants along with their prioritized hazards of concern. It is important to note that while a jurisdiction may not have selected a specific hazard as prioritized, hazard events can impact any jurisdiction at any time and their selection is not a full indication of risk.

Table 16: Prioritized Hazards of Concern by Jurisdiction

Jurisdiction	Avalanche	Drought	Floods	Intentional Attack	Landslides	Lightning	Severe Wind	Severe Winter Weather	Transportation Incidents	Wildfire
Eagle County		X	X		X				X	X
Town of Avon		X			X					X
Town of Eagle			X					X		X
Town of Gypsum		X	X					X		X
Town of Minturn	X	X	X					X		X
Town of Red Cliff	X		X		X					X
Town of Vail	X		X		X			X	X	X
Basalt Library District			X							X
Basalt Sanitation District			X			X	X			X
Berry Creek Metro District										X
Cordillera Metro District					X	X		X		X
Eagle County Paramedic Services			X					X		X
Eagle County School District				X				X		X

43 U.S Department of Agriculture. 2023. "Disaster Designation Information" https://www.fsa.usda.gov/programs-and-services/disaster-assistance-program/disaster-designation-information/index.

Jurisdiction	Avalanche	Drought	Floods	Intentional Attack	Landslides	Lightning	Severe Wind	Severe Winter Weather	Transportation Incidents	Wildfire
Eagle River Fire Protection District			X					X		X
Eagle River Water & Sanitation District		X	X						X	X
Eagle Vail Metropolitan District		X	X							X
Eagle Valley Library District			X			X				X
Eagle Valley Transportation Authority					X			X	X	X
Greater Eagle Fire Protection District		X	X			X	X	X		X
Gypsum Fire Protection District				X	X	X				X
Mountain Recreation Metropolitan District			X			X	X	X		X
Roaring Fork Fire Rescue Authority						X	X	X		X
Vail Recreation District	X		X			X		X		X

Section Six: Mitigation Strategy

Introduction

The primary focus of the mitigation strategy is to identify action items to reduce the effects of hazards on existing infrastructure and property based on the established goals and objectives of the hazard mitigation plan. These actions should consider the most cost effective and technically feasible options to address risk.

FEMA Mitigation Strategy Requirements

Requirement §201.6(c)(3)(i): [The hazard mitigation strategy shall include a] description of mitigation goals to reduce or avoid long-term vulnerabilities to the identified hazards.

Requirement §201.6(c)(3)(ii): [The mitigation strategy shall include a] section that identifies and analyzes a comprehensive range of specific mitigation actions and projects being considered to reduce the effects of each hazard, with particular emphasis on new and existing buildings and infrastructure.

Requirement: §201.6(c)(3)(ii): [The mitigation strategy] must also address the jurisdiction's participation in the National Flood Insurance Program, and continued compliance with NFIP requirements, as appropriate.

Requirement: §201.6(c)(3)(iii): [The mitigation strategy section shall include] an action plan describing how the actions identified in section (c)(3)(ii) will be prioritized, implemented, and administered by the local jurisdiction. Prioritization shall include a special emphasis on the extent to which benefits are maximized according to a cost benefit review of the proposed projects and their associated costs.

Requirement §201.6(c)(3)(iv): For multi-jurisdictional plans, there must be identifiable action items specific to the jurisdiction requesting FEMA approval or credit of the plan.

Summary of Changes

The development of the mitigation strategy for this plan update includes the addition of new mitigation actions, updated status or removal of past mitigation actions, and revisions to kept action descriptions for consistency across Eagle County.

Selected Mitigation and Strategic Actions

After establishing the goals, the local planning teams evaluated mitigation and strategic actions. These actions included: the mitigation and strategic actions identified by each participating jurisdiction in the previous plan and additional actions discussed during the update planning process. The Eagle County Planning Team provided each participant a link to the FEMA Mitigation Ideas document to be used as a starting point to review a wide range of potential mitigation actions. Participants were also encouraged to think of actions that may need FEMA grant assistance and to review their hazard prioritization section for potential mitigation and strategic actions. Members of the Eagle County Planning Team were also available to help local jurisdictions identify additional action alternatives. These suggestions helped participants determine which actions would best assist their respective jurisdiction in alleviating damage in the event of a disaster.

During the update of previous identified actions and the identification of new actions, local planning teams prioritized each identified mitigation and strategic action as high, medium, or low. The listed priority rating does not indicate which actions will be implemented first. Generally, high priority actions either address a major concern for the jurisdiction, have few to no challenges in implementation, and/or garner large support from the public and administration. Low priority actions either address a minor concern for the jurisdiction, have many challenges in implementation, and/or may not have support from the public or administration at this time. Medium priority actions may only have one or two of the items listed above. A mitigation and strategic action's priority may change very quickly as circumstances change.

The mitigation and strategic actions are the core of a hazard mitigation plan. The local planning teams were instructed that each hazard identified in the plan must have an action that addresses it. Mitigation and strategic actions were evaluated based on referencing the community's risk assessment and capability assessment. Jurisdictions were encouraged to choose actions that were realistic and relevant to the concerns identified.

It is important to note that not all the mitigation and strategic actions identified by a jurisdiction may ultimately be implemented due to limited capabilities, prohibitive costs, low benefit-cost ratio, or other concerns. These factors may not be identified during this planning process. Additionally, some jurisdictions may identify and pursue additional mitigation actions not identified in this hazard mitigation plan.

Participant Mitigation Actions

Mitigation actions identified by participants of the HMP are found in the Mitigation and Strategic Actions Matrix in *Appendix D*. Additional information about selected actions can be found in the participant profiles in *Section Eight.* Each action includes the following information in the respective community profile.

- **Action:** General title of the action item.
- **Description:** Brief summary of what the action item(s) will accomplish.
- **Hazard(s) Addressed:** Which hazard the mitigation action aims to address.
- **Estimated Cost:** General cost estimate for implementing the mitigation action for the appropriate jurisdiction.
- **Local Funding:** A list of any potential local funding mechanisms to fund the action.
- **Timeline:** General timeline as established by planning participants.
- **Priority:** General description of the importance and workability in which an action may be implemented (high/medium/low).
- **Lead agency:** Listing of agencies or departments which may lead or oversee the implementation of the action item.
- **Status:** A description of what has been done, if anything, to implement the action item.

Implementation of the actions will vary between individual plan participants based upon the availability of existing information; funding opportunities and limitations; and administrative capabilities of communities. Establishing a cost-benefit analysis is beyond the scope of this plan and could potentially be completed prior to submittal of a project grant application or as part of a five-year update. Completed, removed, kept, and new mitigation actions for each participating jurisdiction can be found in *Section Eight*.

Section Seven: Plan Implementation and Maintenance

Monitoring, Evaluating, and Updating the Plan

Each participating jurisdiction in the Eagle County Hazard Mitigation Plan will be responsible for monitoring, evaluating, and updating the plan during its five-year lifespan. Hazard mitigation projects will be prioritized by each participant's governing body with support and suggestions from the public and business owners. Each local planning team will be responsible for plan maintenance, the frequency of review, and how the public will be involved. This information can be found in each participant's profile under the Local Planning Team section. During the review, the local planning team can report on the status of projects and include which implementation processes worked well, any difficulties encountered, how coordination efforts are proceeding, and which strategies could be revised.

FEMA Plan Maintenance and Update Requirements

Requirement §201.6(c)(4)(i): [The plan maintenance process shall include a] section describing the method and schedule of monitoring, evaluating, and updating the mitigation plan within a five-year cycle.

Requirement §201.6(c)(4)(ii): [The plan shall include a] process by which local governments incorporate the requirements of the mitigation plan into other planning mechanisms such as comprehensive or capital improvement plans, when appropriate.

Requirement §201.6(c)(4)(iii): [The plan maintenance process shall include a] discussion on how the community will continue public participation in the plan maintenance process.

In addition, each local planning team will be responsible for ensuring that the plan's goals are incorporated into applicable revisions of their jurisdiction's relevant planning documents. The hazard mitigation plan will also consider any changes in planning documents and incorporate the information accordingly in its next update. *Appendix F* may also be used to assist with plan updates.

The FEMA required update of this plan will occur at least every five years, to reduce the risk of the plan expiring. Updates may be incorporated more frequently, especially in the event of a major hazard. Eagle County will start meetings to discuss mitigation plan updates at least nine months prior to the deadline for completing the plan update. The Eagle County Emergency Management Department will review the goals and objectives of the previous plan and evaluate them to determine whether they are still pertinent and current. Among other questions, they may want to consider the following.

- Do the goals and objectives address current and expected conditions?
- If any of the recommended projects have been completed, did they have the desired impact on the goal for which they were identified? If not, what was the reason it was not

successful (lack of funds/resources, lack of political/popular support, underestimation of the amount of time needed, etc.)?
- Have either the nature, magnitude, and/or type of risks changed?
- Are there implementation problems?
- Are current resources appropriate to implement the plan?
- Were the outcomes as expected?
- Did the plan partners participate as originally planned?
- Are there other agencies which should be included in the revision process?

If deemed necessary, a private consulting firm or individual will be hired to help facilitate the plan update process.

Continued Public Involvement

To ensure continued plan support and input from the public and stakeholders, public involvement should remain a top priority for each participating jurisdiction. Every participant identified ways the public will be involved in the update process including the following.

- Social Media
- Websites
- Board/Council Meetings
- Meeting Minutes
- Email
- Homeowner Association Meetings
- Stakeholder Meetings
- Press Releases
- Newsletters

Unforeseen Opportunities

If new, innovative mitigation options arise that could impact Eagle County or elements of this plan, which are determined to be of importance, a plan amendment may be proposed and considered separate from the annual review and other proposed plan amendments. Eagle County, as the plan sponsor, provides an opportunity for jurisdictions to compile proposed amendments and send them to the Colorado Division of Homeland Security and Emergency Management, and subsequently to FEMA, for a plan amendment. Such amendments should include all applicable information for each proposal including description of changes, identified funding, responsible agencies, etc.

Incorporation into Existing Planning Mechanisms

The Eagle County Planning Team utilized a variety of plan integration tools to help communities determine how their existing planning mechanisms were related to the Hazard Mitigation Plan. Utilizing FEMA's *Integrating the Local Natural Hazard Mitigation Plan into a Community's Comprehensive Plan*[44] guidance, as well as FEMA's *2015 Plan Integration*[45] guide, each jurisdiction engaged in a plan integration discussion. This discussion was facilitated by a Plan

44 Federal Emergency Management Agency. November 2013. "FEMA Region X Integrating the Local Natural Hazard Mitigation Plan into a Community's Comprehensive Plan". https://www.fema.gov/sites/default/files/2020-07/integrating-hazard-mitigation-local-plan.pdf.

45 Federal Emergency Management Agency. July 2015. "Plan Integration: Linking Local Planning Efforts." https://www.fema.gov/sites/default/files/2020-06/fema-plan-integration_7-1-2015.pdf.

Integration Worksheet or set of questions, created by the Eagle County Planning Team. This offered an easy way for participants to notify the Eagle County Planning Team of existing planning mechanisms, and if they interface with the hazard mitigation plan.

Each jurisdiction referenced all relevant existing planning mechanisms and provided information on how these did or did not address hazards and vulnerability. Summaries of plan integration are found in each individual *Participant Profile*. For jurisdictions that lack existing planning mechanisms, especially smaller communities, the plan may be used as a guide for future activity and development in the jurisdiction.

Figure 6: First Responders at an Emergency Incident

Source: Eagle County

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Section Eight: Participant Profiles

Purpose of Participant Profiles

Participant profiles contain information specific to jurisdictions participating in the Eagle County Hazard Mitigation Plan planning effort. Participant profiles were developed with the intention of highlighting each jurisdiction's unique characteristics that affect its vulnerability to hazards. These profiles may serve as a short reference of identified vulnerabilities and mitigation actions for a jurisdiction as they implement the mitigation plan. Information from individual jurisdictions was collected at public and one-on-one meetings and used to establish their section of the plan. Participant profiles may include the following elements:

- Location Map
- Local Planning Team
- Capability Assessment
- Plans and Studies
- Future Development Trends
- Community Lifelines
- Hazard Prioritization and Mitigation Strategy

Individual participant profiles can be found in the *Eagle County and Community Appendix or Special Districts Appendix*. The location of the profiles is given below.

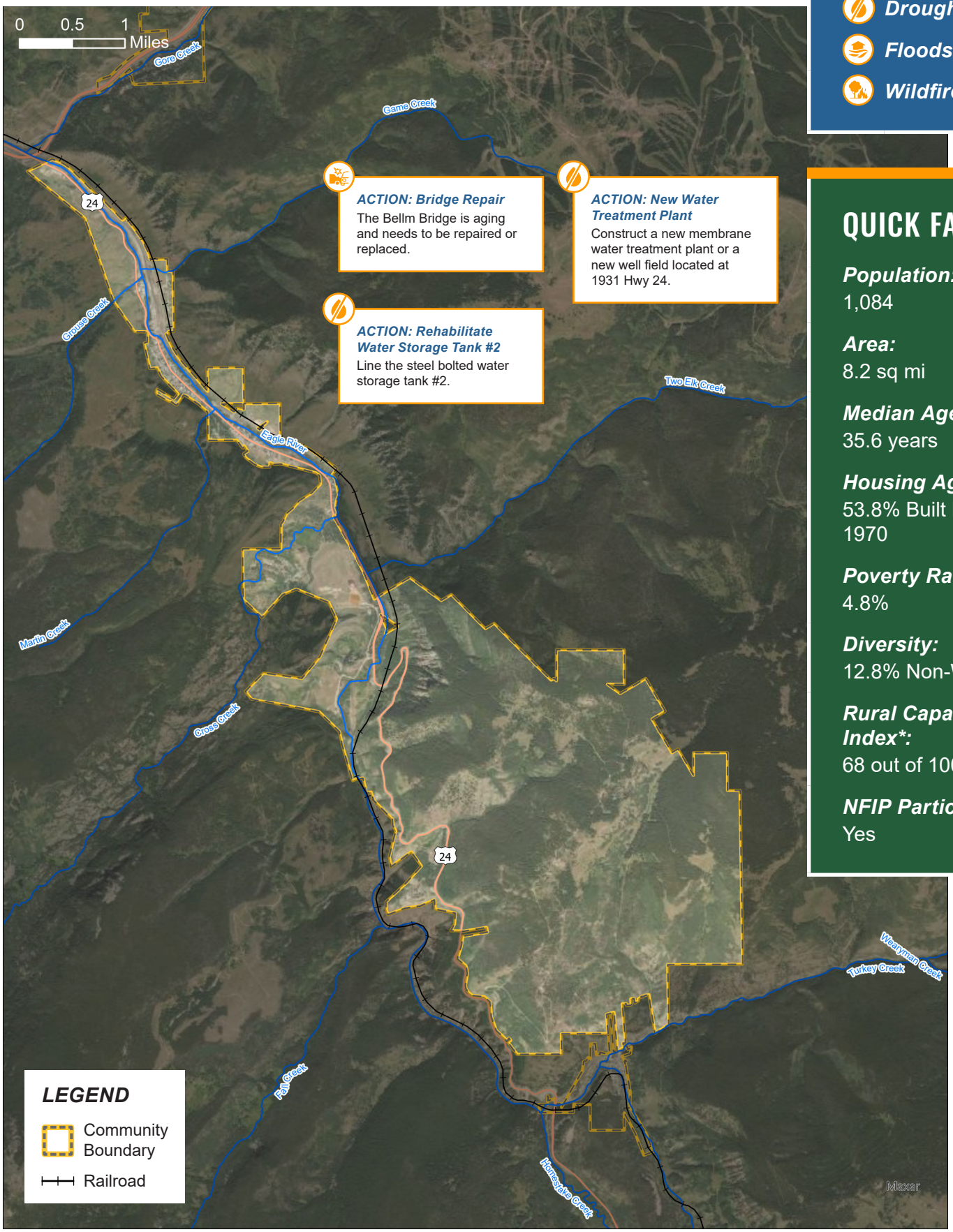
Eagle County and Community Appendix
- Eagle County
- Town of Avon
- Town of Eagle
- Town of Gypsum
- Town of Minturn
- Town of Red Cliff
- Town of Vail

Special Districtricts Appendix
- Basalt Library District
- Basalt Sanitation District
- Berry Creek Metro District
- Cordilla Metro District
- Eagle County Paramedic Services
- Eagle County School District
- Eagle River Fire Protection District
- Eagle River Water & Sanitation District
- Eagle Vail Metropolitan District
- Eagle Valley Library District
- Eagle Valley Transportation Authority
- Greater Eagle Fire Protection District
- Gypsum Fire Protection District
- Mountain Recreation Metropolitan District

Roaring Fork Fire Rescue Authority
Vail Recreation District

Town of Minturn

EAGLE COUNTY HAZARD MITIGATION PLAN 2024



ACTION: Bridge Repair
The Bellm Bridge is aging and needs to be repaired or replaced.

ACTION: New Water Treatment Plant
Construct a new membrane water treatment plant or a new well field located at 1931 Hwy 24.

ACTION: Rehabilitate Water Storage Tank #2
Line the steel bolted water storage tank #2.

PRIORITIZED HAZARDS

- ***Drought***
- ***Floods***
- ***Wildfire***

QUICK FACTS

Population:
1,084

Area:
8.2 sq mi

Median Age:
35.6 years

Housing Age:
53.8% Built Prior to 1970

Poverty Rate:
4.8%

Diversity:
12.8% Non-White

Rural Capacity Index*:
68 out of 100

NFIP Participation:
Yes

*Headwaters Economics. 2022. "Rural Capacity Index. https://headwaterseconomics.org/equity/rural-capacity-map/

Local Planning Team

Local Planning Team

Name	Title	Jurisdiction	R1 Meeting	R2 Meeting
Michelle Metteer	Town Manager	Town of Minturn	Yes, Materials Development	Yes, Materials Development

Plan Maintenance

Hazard Mitigation Plans are living documents and should be updated regularly to ensure effectiveness and reflect changes in hazard events, priorities, and mitigation actions. These updates are encouraged to occur after every major disaster event, alongside planning document updates, before the HMA grant cycle begins, and/or prior to other funding opportunity cycles beginning.

The Town Manager will be responsible for reviewing and updating this participant profile outside of the five-year update. The Town of Minturn will review the plan bi-annually and the public will be notified through public town council meetings.

Capability Assessment

The planning team assessed the Town of Minturn's hazard mitigation capabilities by reviewing planning and regulatory capabilities, administrative and technical capabilities, fiscal capabilities, and education and outreach capabilities.

Capability Assessment

Capability Mechanism	Yes/No
Comprehensive Plan	Yes
Capital Improvements Plan	Yes
Economic Development Plan	Yes
Emergency Operations Plan	Yes (County)
Floodplain Management Plan	No
Storm Water Management Plan	No
Zoning Ordinance	Yes
Subdivision Regulation/Ordinance	Yes
Floodplain Ordinance	Yes
Building Codes	Yes
Source Water Protection Plan	Yes
Water System Emergency Response Plan	Yes
National Flood Insurance Program	Yes
Community Rating System	No
Community Wildfire Protection Plan	Yes (County)
Other (if any)	Wildfire Risk Study
Planning Commission	Yes
Floodplain Administration	Yes
GIS Capabilities	Yes
Chief Building Official	Yes

Capability Mechanism	Yes/No
Civil Engineering	Yes
Grant Manager	No. Minturn contracts with an outside firm for grant writing services
Mutual Aid Agreement	Yes
Other (if any)	-
1- & 6-Year Plan	No
Applied for grants in the past	Yes
Awarded a grant in the past	Yes
Authority to levy taxes for specific purposes such as mitigation projects	No
Gas/Electric/Water/Sewer Service Fees	Yes
Storm Water Service Fees	No
Development Impact Fees	No
General Obligation Revenue or Special Tax Bonds	Yes
Other (if any)	-
Local citizen groups or non-profit organizations focused on environmental protection, emergency preparedness, access and functional needs populations, etc. Ex. CERT Teams, Red Cross, etc.	No
Ongoing public education or information program (e.g., responsible water use, fire safety, household preparedness, environmental education)	Yes
Natural disaster or safety related school programs	No
StormReady Certification	No
Firewise Communities Certification	No
Tree City USA	No
Other (if any)	-

Overall Capability

Overall Capability	Limited/Moderate/High
Financial resources to implement mitigation projects	Limited
Staff/expertise to implement projects	Limited
Public support to implement projects	Moderate
Time to devote to hazard mitigation	Limited
Ability to expand and improve the identified capabilities to achieve mitigation	Limited

National Flood Insurance Program (NFIP)

Minturn is a member of the NFIP having joined 9/17/1980 and the town's Floodplain Manager oversees the commitments and requirements of the NFIP. Any new development or substantial improvement located in the floodplain must receive a Floodplain Development Permit that is reviewed by the Town Engineer. The FEMA Map Service Center is used to determine if a structure is in the floodplain. Substantially improved structures in the floodplain are identified through the building permit review process. The town's floodplain regulations do not exceed State of Colorado requirements. Letters of Map Change have not occurred in the community but if they were, Minturn would submit information to the state and FEMA.

The local planning team has stated that Minturn will remain in good standing and continue involvement with the NFIP in the future. Additional NFIP information is given in the table below.

Minturn NFIP Information

NFIP Overview	
Floodplain Administrator (FPA):	Yes
Is FPA a Certified Floodplain Manager?	No
Is Floodplain Management an Auxiliary Function?	Yes
Date of NFIP Participation:	September 17, 1980
Number of NFIP Policies In-Force:	12
Total NFIP Premium ($):	$19,578
Total NFIP Coverage ($):	$4,155,000
Number of Claims Paid Out:	1
Total Amount of Claims Paid Out ($:)	$6,035
Number of Repetitive Loss Structures:	No
Number of Severe Repetitive Loss Structures:	No
Is the Community Currently Suspended from the NFIP?	No
Any Outstanding Compliance Issues?	No
FIRMs Digital or Paper?	Digital

Building Values & Floodplain

The planning team acquired GIS parcel data from the County Assessor to analyze the location, number, and total value of structures in the community located in the 100-year and 500-year floodplains. A summary of the results of this analysis is provided in the following tables.

Structures and Value in the 100-Year Floodplain

Number of Structures	Total Actual Value of Structures	Number of Structures in Floodplain	Total Value of Structures in Floodplain	Percentage of Structures in Floodplain
827	$517,831,940	14	$12,907,830	1.7%

Source: County Assessor, 2023

Structures and Value in the 500-Year Floodplain

Number of Structures	Total Actual Value of Structures	Number of Structures in Floodplain	Total Value of Structures in Floodplain	Percentage of Structures in Floodplain
827	$517,831,940	0	$0	0%

Source: County Assessor, 2023

Plans and Studies

The Town of Minturn has several planning documents that discuss or relate to hazard mitigation. Each plan is listed below along with a short description of how it is integrated with the hazard mitigation plan or how it contains hazard mitigation principles. When the town updates these planning mechanisms, the local planning team will review the hazard mitigation plan for opportunities to incorporate the goals and objectives, risk and vulnerability data, and mitigation actions into the update.

Building Code (2021)

The building code sets standards for constructed buildings and structures. The town has adopted the 2021 International Building Code and eliminated the need for indoor sprinkler/fire suppression in single family homes under 6,000 square feet.

Capital Improvements Plan (2023)
The capital improvements plan outlines projects the community would like to pursue and provides a planning schedule and financing options. The plan includes improving transportation routes. Projects from the hazard mitigation plan will be integrated into the capital improvements plan.

Comprehensive Plan (2023)
The comprehensive plan is designed to guide the future actions and growth of the town. It includes goals aimed at safe growth and encourages infill development. It does not directly discuss specific hazards or hazard mitigation principles.

Floodplain Regulations (2021), Zoning Ordinance (2009), and Subdivision Regulations (2009)
Minturn's floodplain regulations, zoning ordinance, and subdivision regulations outline where and how development should occur in the future. These documents include the ability to implement water restrictions and discourage development in the floodplain. The hazard mitigation plan has not been integrated into these documents.

Water System Emergency Response Plan
A water system emergency response plan serves as a guideline for water operators and town administration to minimize the disruption of normal services to consumers and to provide public health protection during an emergency event. The document identifies several natural and human-caused events and discusses the water system's response during those events.

Watershed Protection Plan (2008)
The purpose of the watershed protection plan is to maintain and protect the town's water supplies and waterworks from injury, pollution, and any other activity that may create a risk to health or adversely impact the water supply. The plan outlines prohibited activities and permitted activities within the watershed, outlines the permitting process, and discusses enforcement and penalty.

Future Development Trends
Over the past five years, very little has changed in the town with no new developments. In the next five years, a new infill development of 39 units is planned near the railyard. Additionally, the Maloit Park area will see a 130-unit school district development. The community does not anticipate adding or losing any major employers. All new developments are required to consider hazard impacts. Minturn's future land use map can be seen on the next page with most of the planned housing being in the center and southern portions of the community.

For hazards like drought, lightning, severe wind, and severe winter weather, all future developments could be impacted regardless of where they are located. The entire community is in the wildland urban interface, so all future developments have an increased risk to wildfire. The two planned housing projects will be located close to Highway 24 which increases risk to transportation incidents. According to the local planning team the future housing projects will not be located in any other known hazard locations.

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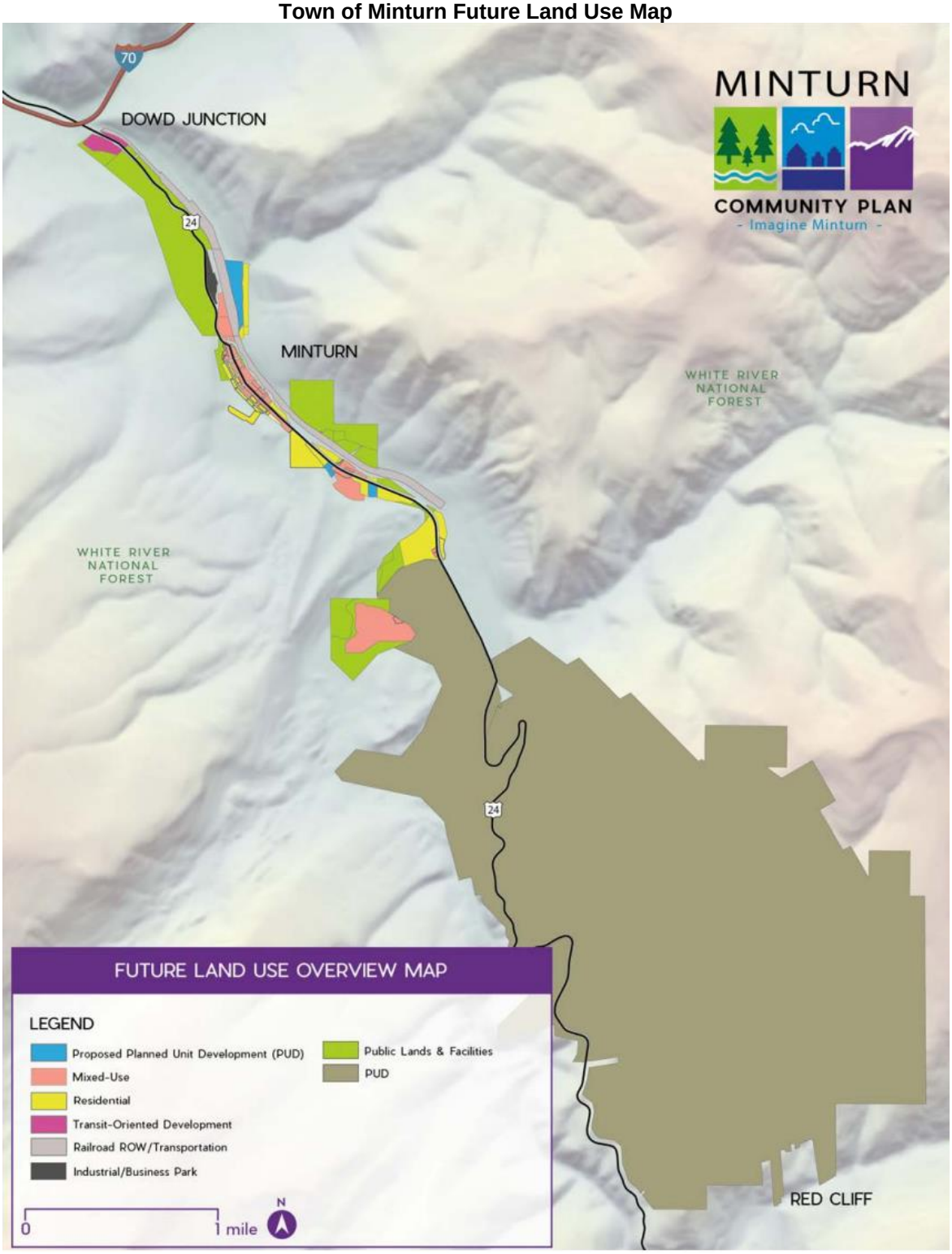
Town of Minturn Future Land Use Map



Source: Town of Minturn

Community Lifelines

Each participating jurisdiction identified community lifelines that are vital for disaster response and essential for returning the jurisdiction's functions to normal during and after a disaster per the FEMA Community Lifelines guidance. The FEMA lifelines include Safety and Security; Food, Water, and Shelter; Health and Medical; Energy; Communication; Transportation; and Hazardous Material Facilities.

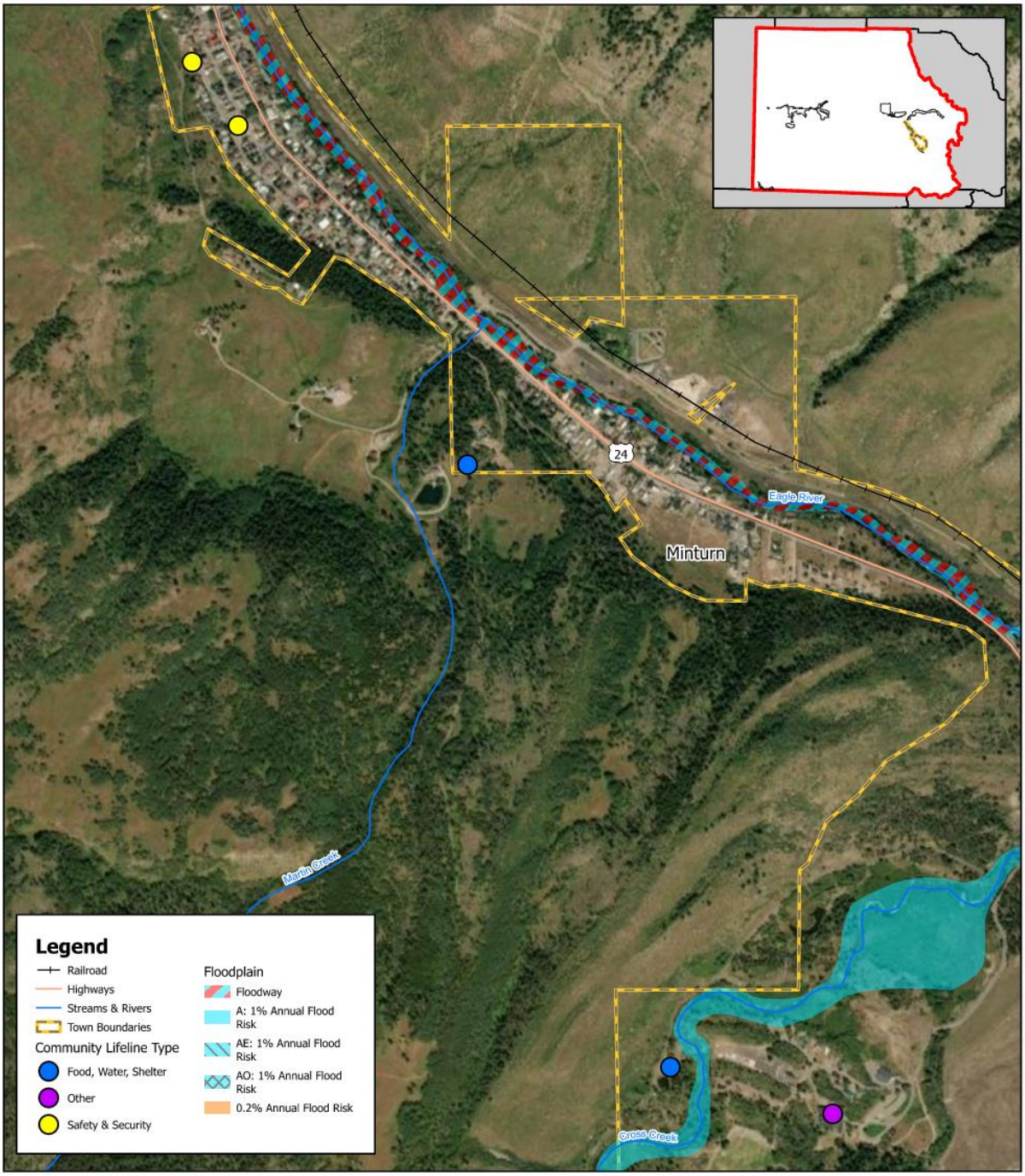
Most of the town has evacuation and access challenges. There is only one road in and out of the community with hills to the east and west. In addition, many streets are narrow and end in dead ends. There is no fire or police department located in the town.

Community Lifelines

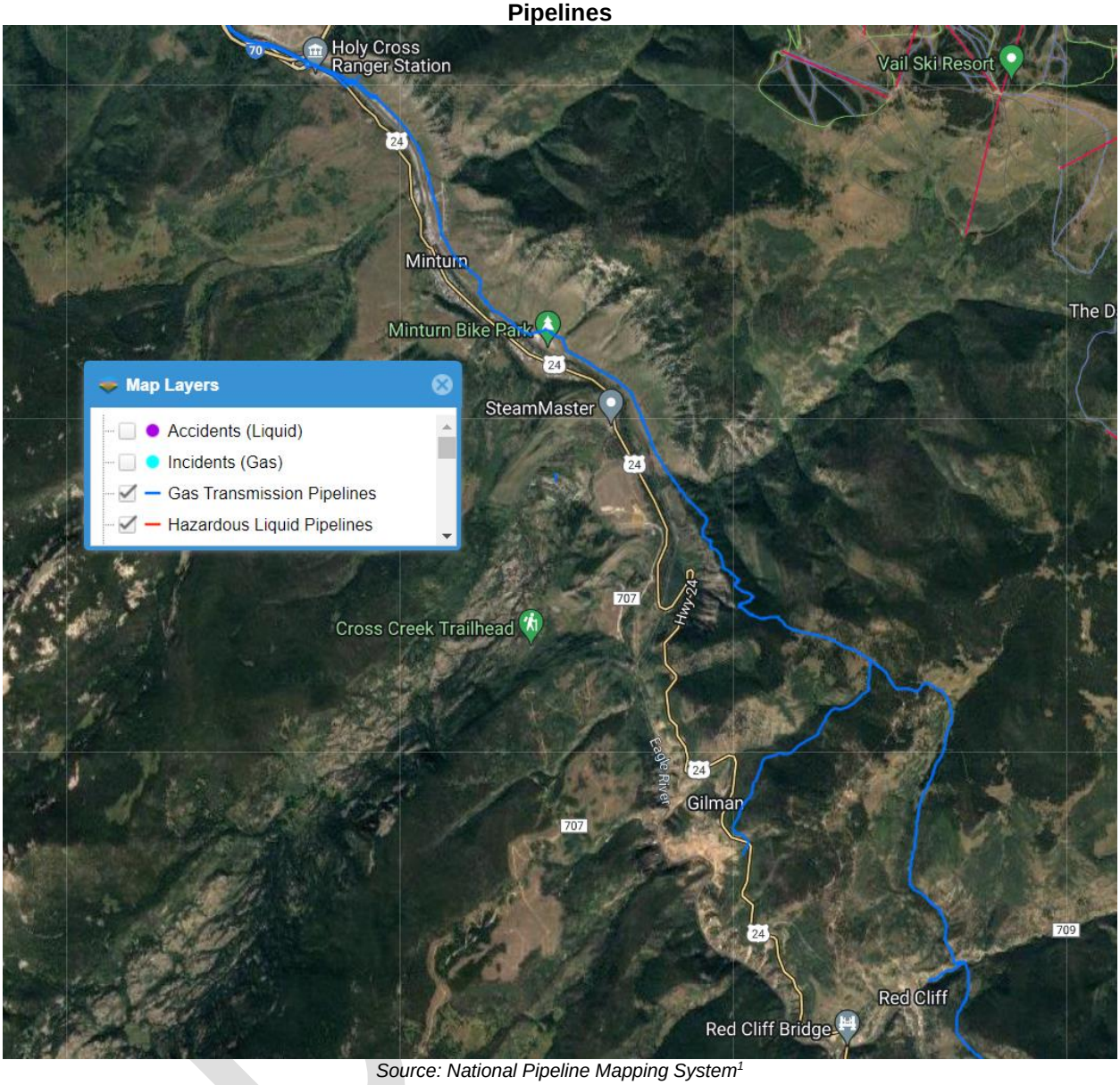
Name	Community Lifeline Type	Generator (Y/N)	Floodplain (Y/N)
Eagle River Fire Protection District – Station 5	Safety & Security	No	No
Minturn Water Tank #2	Food, Water, Shelter	No	No
Minturn Water Treatment Plant / Water Tank #3	Food, Water, Shelter	No	No
Town Hall	Safety & Security	No	No
Vail Ski & Snowboard Academy	Other	No	No

DRAFT

Community Lifelines Map



Pipelines



Source: National Pipeline Mapping System[1]

Hazard Prioritization and Mitigation Strategy

The Eagle County Hazard Mitigation Plan evaluates a range of natural and human-caused hazards which pose a risk to the county, communities, and other participants. However, during the planning process, the local planning team identified specific hazards of top concern for Minturn which required a more nuanced and in-depth discussion of past significant local events, potential impacts, capabilities, and vulnerabilities. The following section expands on the hazards of top concern identified by the Town of Minturn. Based on this analysis, the local planning team determined their vulnerability to all other hazards to be of low concern. For a review, analysis, and full list of historical hazard events, please see *Section Four* and *Appendix A.*

1 National Pipeline Mapping System. 2023. "Public Viewer." Accessed August 2023. https://pvnpms.phmsa.dot.gov/PublicViewer/.

Drought

Drought was selected as a prioritized hazard because of climate change increasing the risk of drought and the town only having one water source. Past droughts have caused water restrictions due to the town running up against their consumptive use water rights. To reduce the vulnerability of drought, Minturn has installed a leak detection system throughout all of the water mains, installed new smart water meters on all properties, and built a new concrete water tank. The town has also adopted a tiered water rate system for outdoor irrigation users. Water for the community comes from Cross Creek. In the future the town would like to construct a new water treatment plant, dredge the intake pond, rehabilitate storage tank #2, and establish a secondary water source for the community.

Floods

Minturn experienced mild flooding in the spring of 2020, but it did not cause any major damage. The mapped floodplain in the community is located along the Eagle River on the northern portion of town. Bellm Bridge, the main bridge in town over the Eagle River, is aging and needs repair or replacement. The community has applied for a grant to conduct a feasibility study on the bridge.

Minturn is the downstream town of the high hazard Homestake Project Dam. If this dam were to fail, Minturn would likely see flooding in excess of the 100-year floodplain. *Appendix A* shows the locations of all high hazard dams in the county.

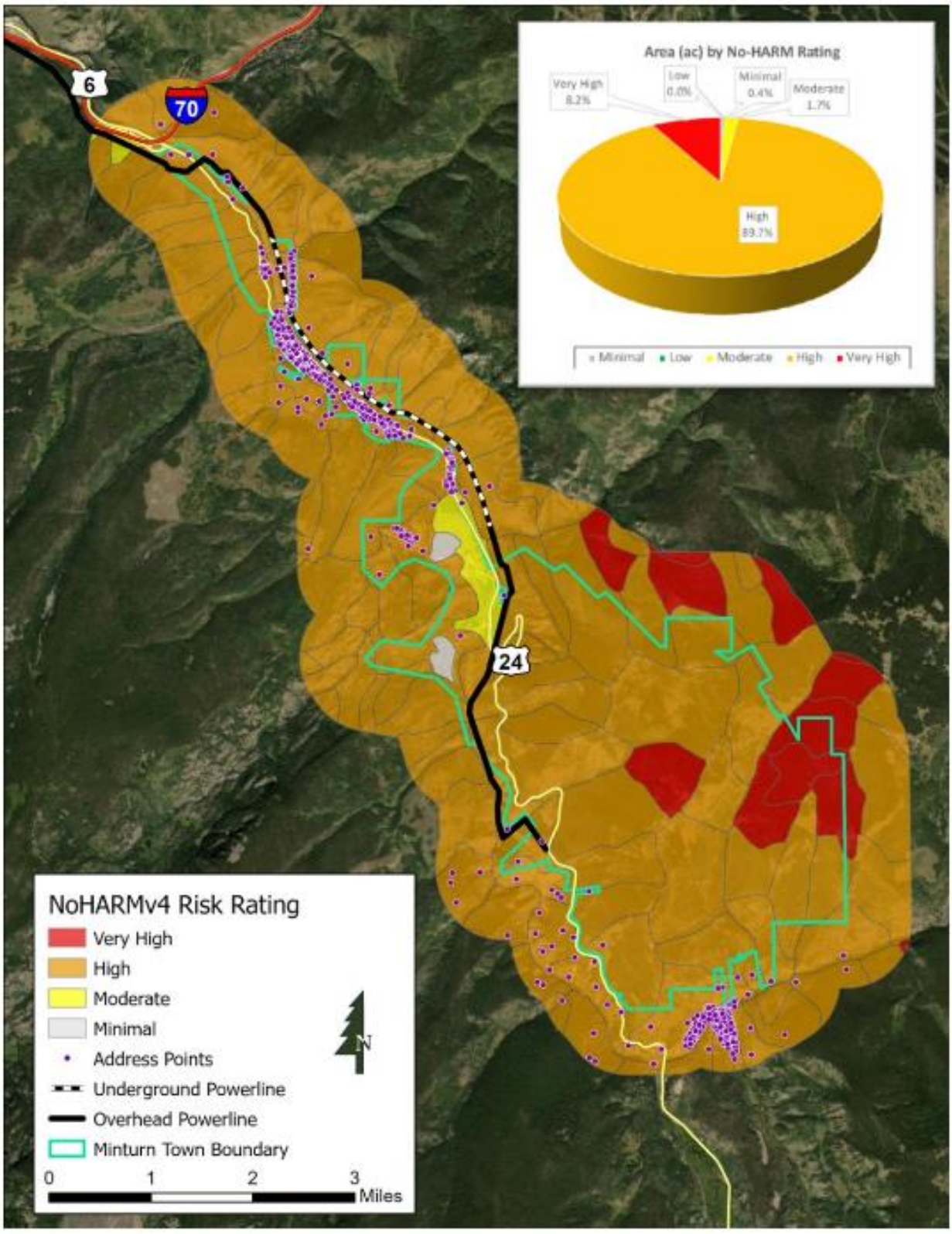
Severe Winter Weather / Avalanche

Avalanches occur at the southern end of Minturn's border on Highway 24. These avalanche events impact access to and from the community from the south. Additionally, with CDOT's labor shortages for plowing Highway 24, combined with the town's limitations to plow emergency access routes 24/7, snow removal issues could arise. Power loss is also a concern as many of the electrical lines are not buried. The winter of 2023/24 has also brought avalanches to the north end of town blocking Highway 24 access to Interstate 70. This required the use of County Road 14/Minturn Road as a detour route.

Wildfire

Minturn recently had a wildfire risk report completed for a potential new transmission line. It shows the town's vulnerability to wildfire is high or very high depending on location. This does not consider the potential powerline in this assessment. Minturn has experienced two fires in the past five years, both originating at the Two Elk Target Range. No damage was done in the community, but one required a full emergency response by multiple agencies including aircraft support. Many homes in the community are in the wildland urban interface and are older wooden structures. To help reduce the risk of wildfires, Minturn has completed two small fuels reduction projects next to the water treatment plant. However, additional fuels reduction and fuel break projects are needed.

Wildfire Risk Rating for Minturn



Source: Anchor Point Group

New Mitigation and Strategic Actions

Action	Backup Generators
Description	Purchase backup generators for the water treatment plant and the Town Hall.
Hazard(s) Addressed	Avalanche, Floods, Landslides, Lightning, Severe Wind, Severe Winter Weather, Wildfire
Estimated Cost	$100,000+
Local Funding	General Budget
Timeline	5+ Years
Priority	Medium
Lead Agency	Town Manager, Town Council
Status	On hold until funding becomes available.

Action	Bridge Repair
Description	The Bellm Bridge is aging and needs to be repaired or replaced.
Hazard(s) Addressed	Floods
Estimated Cost	Unknown
Local Funding	General Budget
Timeline	5+ Years
Priority	High
Lead Agency	Town Manager, Town Council
Status	Not Started. A request for proposals has been put out for a feasibility study.

Action	Dredge the Intake Pond
Description	Dredge the water intake pond.
Hazard(s) Addressed	Drought
Estimated Cost	Unknown
Local Funding	General Budget
Timeline	2-5 Years
Priority	Medium
Lead Agency	Town Manager, Town Council
Status	Planning Stage

Action Name	New Water Treatment Plant
Description	Construct a new membrane water treatment plant or a new well field located at 1931 Hwy 24.
Hazard(s) Addressed	Drought
Estimated Cost	Membrane Plant: $15,000,000 - $18,000,000 Well Field: $500,000 - $1,000,000
Local Funding	Congressionally Directed Spending Funds
Timeline	2-5 Years
Priority	Medium
Lead Agency	Town Manager, Town Council
Status	Planning Stage

Action	Public Education and Outreach
Description	Educate staff and residents on their risks to hazards, how to get information and emergency notifications, and preparedness actions to keep themselves safe. Coordinate with Eagle County and other project partners on outreach and education projects and materials.
Hazard(s) Addressed	All Hazards
Estimated Cost	$1,000+, Staff Time
Local Funding	General Budget, Staff Time
Timeline	5+ Years
Priority	Low
Lead Agency	Town Manager
Status	Not Started

Action	Rehabilitate Water Storage Tank #2
Description	Line the steel bolted water storage tank #2.
Hazard(s) Addressed	Drought, Wildfire
Estimated Cost	$150,000
Local Funding	General Budget
Timeline	2-5 Years
Priority	High
Lead Agency	Town Manager, Town Council
Status	Pending Town Council approval to investigate the option.

Kept Mitigation and Strategic Actions

Action	Secondary Water Source
Description	Find a secondary water source for the community to serve as a backup to the main source. Secondary source options include a diversion on the Eagle River.
Hazard(s) Addressed	Drought
Estimated Cost	$8,000,000 - $10,000,000
Local Funding	Enterprise Funds, Bond, Grants
Timeline	2-5 Years
Priority	Medium
Lead Agency	Town Manager, Town Council
Status	This project has not been started due to financial cost. The town is currently working to build a new water treatment plant (either a membrane plant or well field). A secondary water source would be a phased option if a membrane plant is built.

Removed Mitigation and Strategic Actions

Action	Fuel Break & Fuel Reduction
Description	Construct a fuel break at Pine Street and Harrison Avenue.
Hazard(s) Addressed	Wildfire
Status	Removed. A fuel break is no longer needed in this location.

EAGLE RIVER COALITION

Protecting Our Local Watersheds

Eagle River Community Water Plan

Town of Minturn - July 2024

EAGLE RIVER COALITION

Protecting Our Local Watersheds

New name, same mission.

Advocate for the health of the Upper Colorado and Eagle River Basins through research, projects and education.

Our Watershed

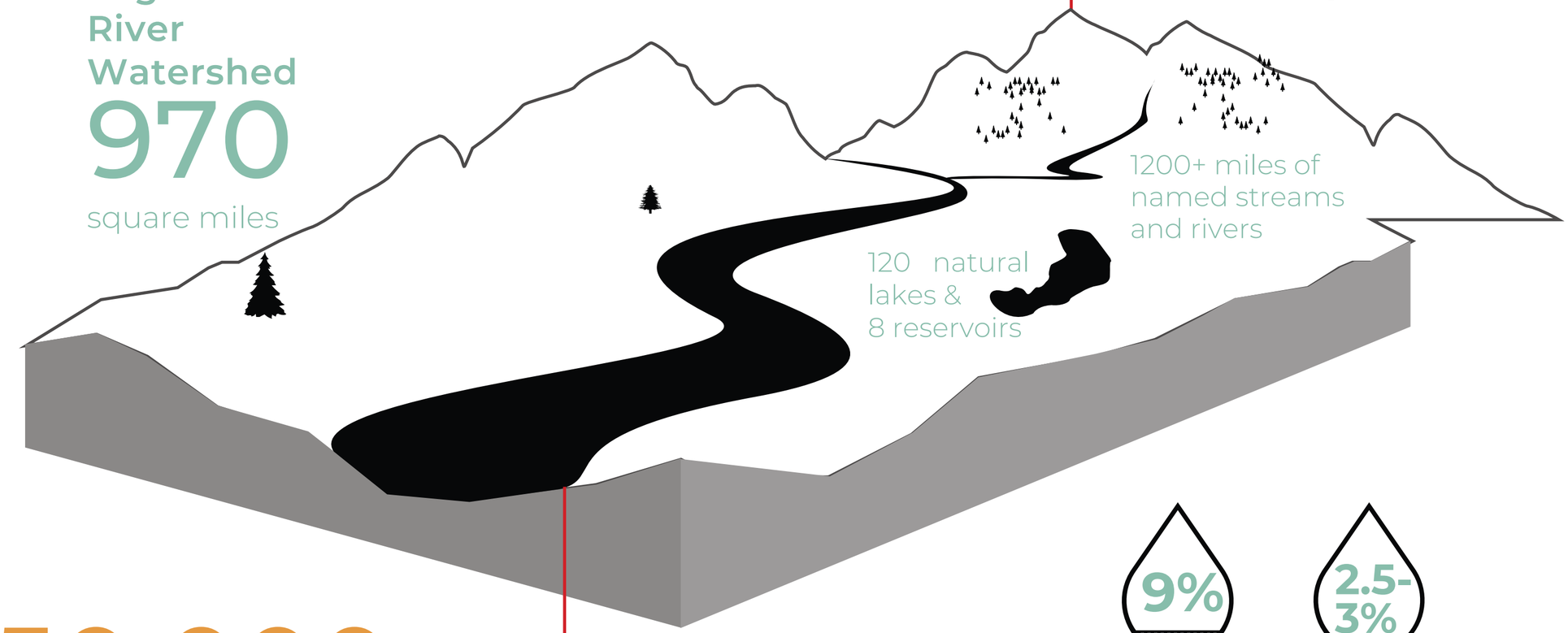
Eagle River Watershed

970

square miles

14,005’

Mt. of the Holy Cross



1200+ miles of named streams and rivers

120 natural lakes & 8 reservoirs

50,000+

people in Eagle County depend full-time on a healthy watershed

6,150’

Colorado River confluence in Dotsero

9%

2.5-3%

The Eagle River contributes about 9% of the Colorado River’s flow at the Utah border. and between 2.5-3% of the total Colorado River Basin annual discharge.

Consider past, present, and future human and ecosystem river health values to identify opportunities to correct historical degradation and prevent and mitigate against non-desirable future conditions.

Community Outreach

Strategies

- Workshops and community presentations
- Booths at local events and recreation centers
- Web-based community surveys

Community Values

WILDLIFE AND BIODIVERSITY

MUNICIPAL WATER USE

AGRICULTURE

RECREATIONAL BOATING

ANGLING

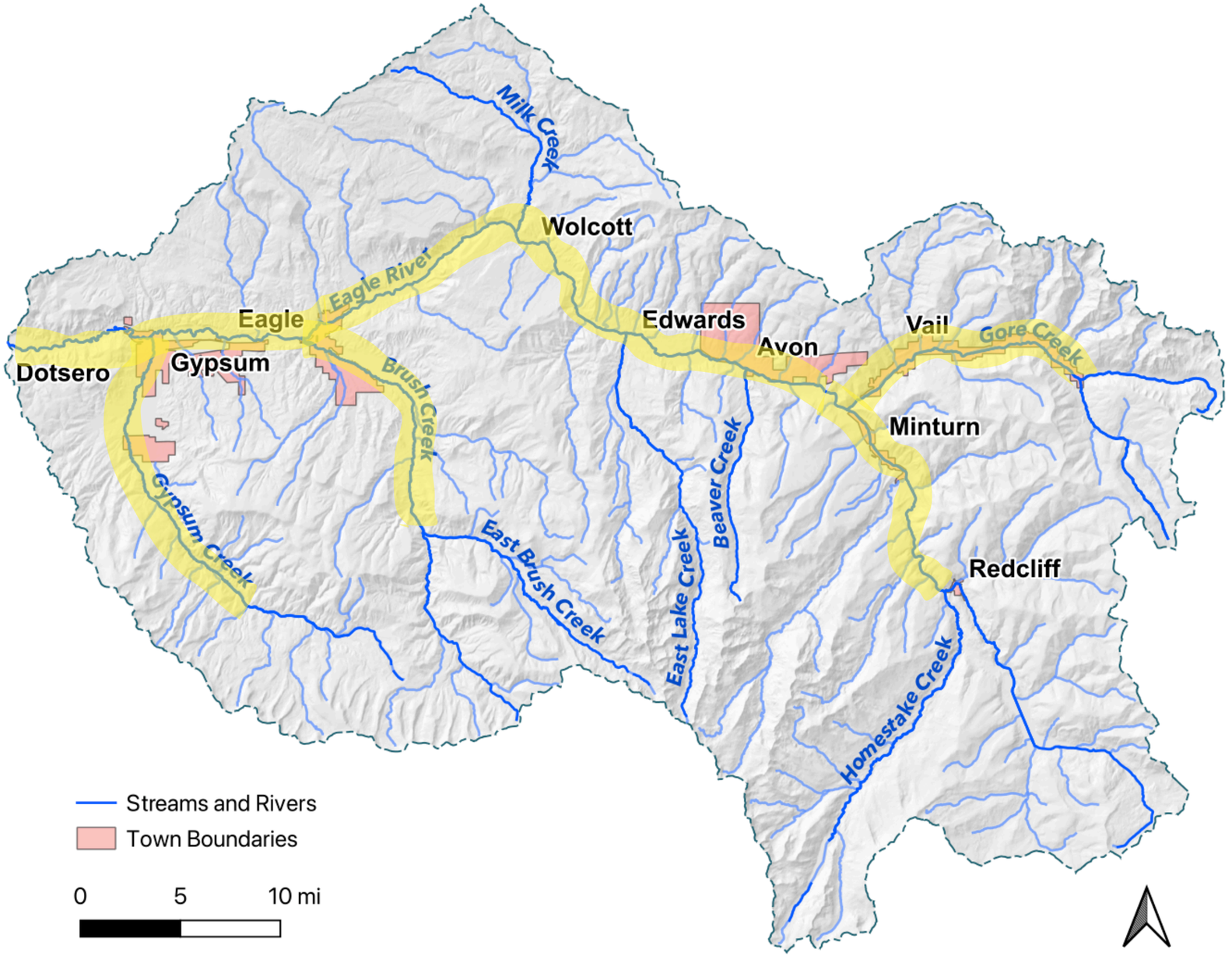
AESTHETICS AND VIEWSCAPES

SNOWMAKING

Water Use Modeling

Using ERWSD's "ER20"

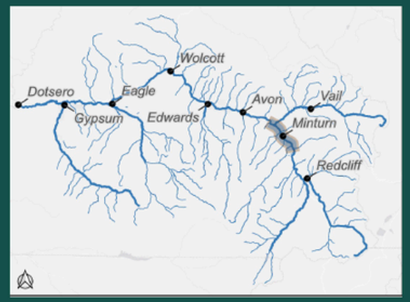
- Roughly mirrors CWCB's models for the Eagle
- Multiple potential futures for Eagle County
- Geography: limited to the Eagle River mainstem below the confluence with Homestake Creek, Gore Creek below Black Gore Creek, Brush Creek, and Gypsum Creek.



REPORT CARDS

Upper Eagle River

Cross Creek to Gore Creek



Current and Historical Drivers of Degradation

Sensitive fish taxa are largely absent due to water quality impacts from the Eagle Mine. Ambient metals concentrations exceed relevant water quality standards, resulting in multiple 303(d) listings and only partial/seasonal attainment of standards.The growth and development of juvenile salmonids is impacted by metals.

Flows are altered by upstream TMDs and reservoirs. The frequency of peak flows equivalent to the natural 1-in-4 year flood declined significantly due to water use and management. Peak flows during typical and dry years declined 24-30% respectively. Total annual flow volumes in dry years declined 32% when compared to natural historic conditions.

Development in the Town of Minturn results in significant alteration to sediment transport continuity, lateral floodplain extent, and physical habitat structure in the stream channel.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

Icon	Expected Effect Size
⬆	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
⬇	Strongly Negative
⊗	Not Assessed

Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	A	○	○	↓	⬇	⬇	○	⬆	○
Base Flow: Median Year	B	○	○	⬇	⬇	⬇	↓	⬆	○
High Peakflow Frequency	F	↓	○	⬆	↑	⬆	⬇	⬇	○
Peak Flow: Dry Year	C	○	○	⬆	○	⬇	↓	⬇	○
Peak Flow: Median Year	C	○	○	⬆	○	↓	⬇	⬇	↑
Total Volume: Dry Year	C	○	○	↓	⬇	⬇	↓	↑	○
Total Volume: Median Year	B	○	○	↑	↓	⬇	⬇	⬇	○
Streambed Sediment									
Continuity and Transport	A	↓	○	○	○	↓	↓	↓	⬇
Flushing Flows	A	○	○	○	○	↓	⬇	↓	○
Water Quality									
Metals	D	○	○	○	○	○	↓	↓	↓
Nutrients	A	○	○	○	○	○	○	○	↓
Temperature	A	○	○	○	↓	↓	○	↑	○
Riparian Areas									
Floodplain physical condition	B	○	○	○	○	○	○	○	○
Riparian vegetation	C	○	○	○	○	○	○	○	○
River Form									
Channel Structure and Dynamics	B	○	○	○	○	○	○	○	↓
Aquatic Habitat									
Habitat Structure	B	○	○	○	○	○	○	○	↓
In-channel Hydrologic Connectivity	A	○	○	↓	⬇	⬇	↓	⬆	○
Aquatic Life									
Aquatic Insects	B	○	○	↓	↓	↓	○	↑	⬇
Fish	C	↓	○	↓	↓	⬇	○	↑	⬇

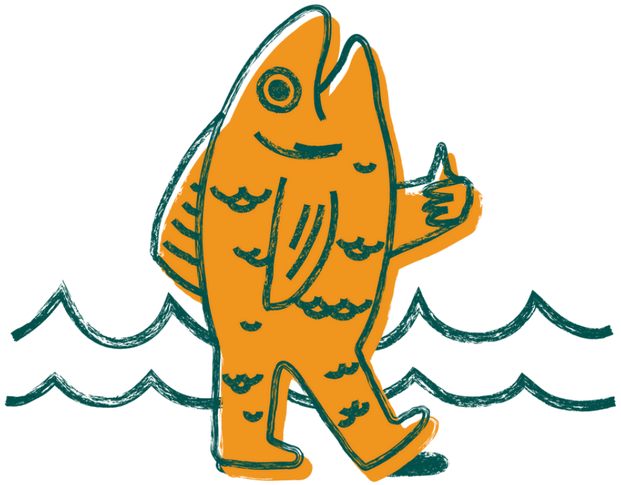
Management Strategies

Projects | Programs
Policies | Studies

- Instream habitat restoration
- Management of instream flows
- Climate studies/infrastructure
- Riparian habitat restoration
- Recreation infrastructure
- Recreation use limits
- Turf reduction and landscaping
- Water rates
- Education and community outreach

Implementation - what's next?

Protect the Locals



THE EAGLE RIVER FUND

Securing a vibrant future.

for us, our wildlife,
and future generations

waterplan.eagleriverco.org

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 35 – SERIES 2024

A RESOLUTION APPROVING AND ADOPTING THE 2024 EAGLE RIVER COMMUNITY WATER PLAN FOR THE TOWN OF MINTURN, COLORADO

WHEREAS, the Eagle River Community Water Plan (the "Plan") is a long-range planning document that considers the past, present, and future ecosystems of the Eagle River watershed and identifies opportunities to correct historical degradation and prevent and mitigate against non-desirable future conditions; and

WHEREAS, The Plan was developed with a wide-range of stakeholder and community involvement and input between 2017 and 2022, engaged more than 400 community members over more than 1,615 hours and 59 meetings, and serves as a guidance document that provides insight into watershed-level values and priorities. Through the planning process, stakeholders outlined their objectives and identified strategies to create a foundation for the communities within the Eagle River watershed to mitigate potential future impacts on the values they hold associated with the waterways in the Eagle River watershed; and.

WHEREAS, the primary planning and modeled area of the Plan is the mainstem Eagle River below its confluence with Homestake Creek, and Gore Creek below its confluence with Black Gore Creek. A less-intensive evaluation and project identification effort was also carried out on Gypsum Creek and Brush Creek, and

WHEREAS, Eagle River is a resource that provides drinking water, recreational access, and economic vitality to more than 50,000 people, and contributes about 9% of the Colorado River's flow at the Utah/Colorado border, and between 2.5-3% of the Colorado River's total annual discharge; and

WHEREAS, the issues, needs, projects, and processes described in the Plan articulate the goals and objectives of the communities in the Eagle River watershed for collaboratively addressing the region's water future. The Plan does not supersede or serve as a substitution for any local, state, or federal permitting processes or subvert any existing water rights. Any objective or action identified in the Plan should be considered within the existing legal and regulatory framework, and

WHEREAS, the Town of Minturn will use the Plan as a guide to develop future priorities, allocate resources, and work to secure a vibrant future for the Eagle River and its tributaries. This will be in conjunction with any relevant and adopted strategic plans and other formal organizational priorities

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO THAT THE MINTURN HOUSING ACTION

PLAN IS HEREBY APPROVED AND ADOPTED.

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 17th day of July, 2024.

TOWN OF MINTURN

By:_____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

EAGLE RIVER COALITION

Protecting Our Local Watersheds

MISSION

We advocate for the health of the Upper Colorado and Eagle River Basins through research, projects and education.

CONTACTS

James Dilzell
Executive Director
dilzell@eagleriverco.org
970.827.5406

EAGLE RIVER COMMUNITY WATER PLAN

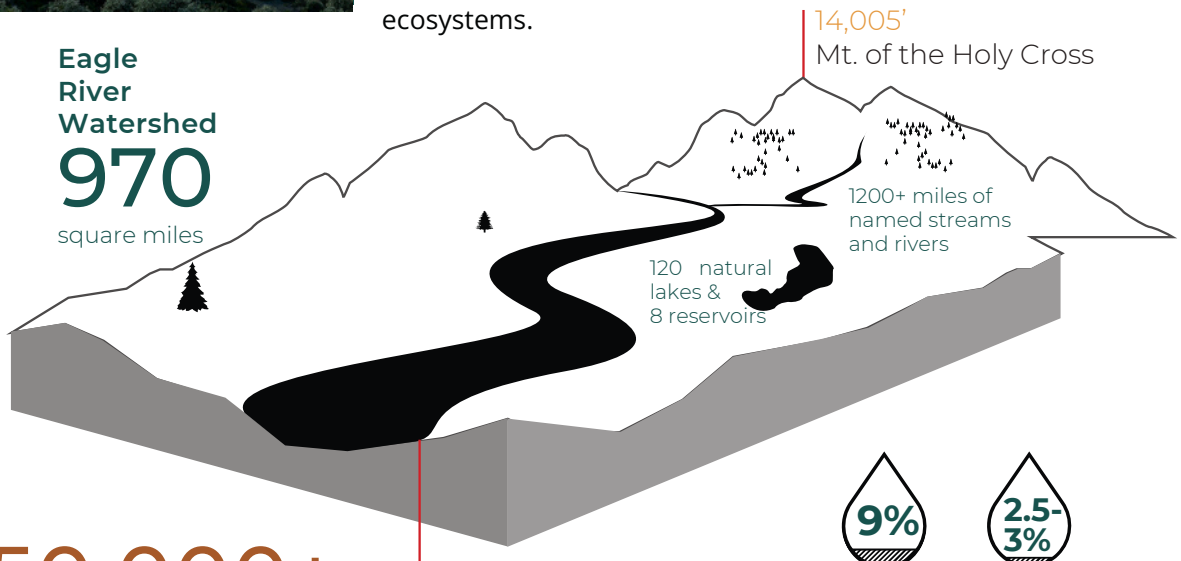
Goals & Approach

The Eagle River Community Water Plan (CWP) studies environmental and recreational water needs in the basin. These non-consumptive water uses are frequently left out of long term planning for city and agricultural water supplies, resulting in damage to the river's ability to support wild fish communities, healthy riparian forests, and outdoor recreation activities for local community members and businesses. CWP goals are supported by the Colorado State Water Plan, which seeks to understand the state's water needs, identify gaps between need and supply, and promote projects to meet those needs. The Eagle River's ability to support environmental and recreational water uses will be strongly challenged in the near-future by climate change and population growth.

The plan assessed historical streamflow conditions against today's conditions, and tested a range of potential future water use and management scenarios to understand how our rivers and streams might continue to support diverse nature and human water needs under differing future paths and decisions. Based on results from these technical studies and analyses, local stakeholders developed and prioritized a set of management strategies to help ensure good future outcomes for our rivers. It is intended as a roadmap for community leaders and policy makers to make wise decisions for our water resources.

About the Eagle River

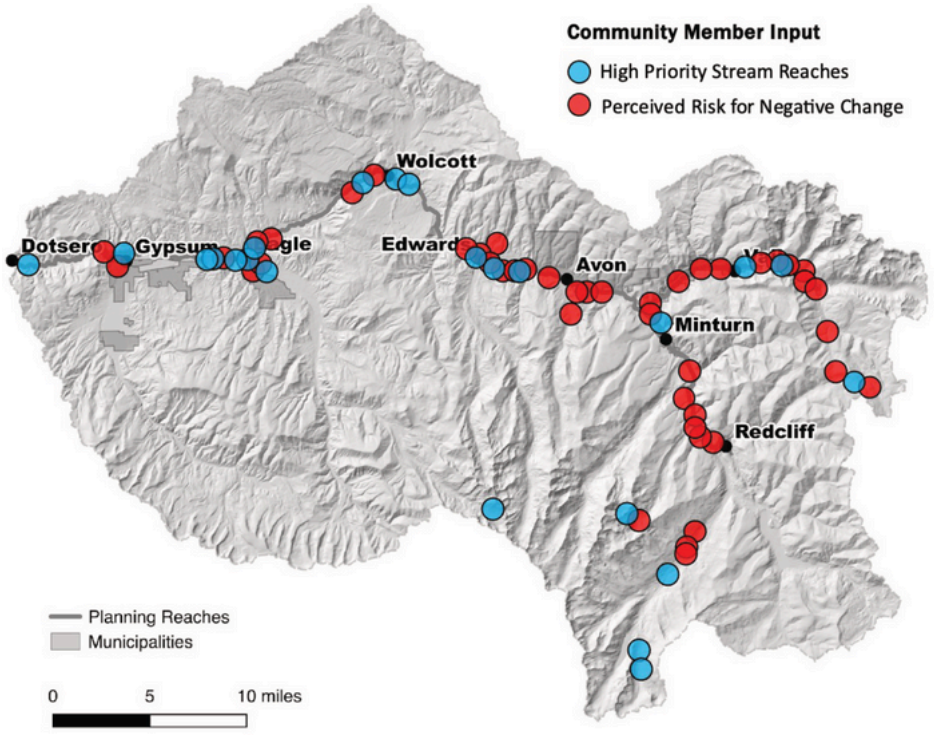
The Eagle River watershed covers 970 square miles ranging from high alpine tundra to green conifer forests at mid-elevations to lower elevation desert lands near Gypsum and Eagle. Seventy five percent of the land is publicly-owned and managed by the US Forest Service (USFS) or Bureau of Land Management (BLM). The Eagle River is 75 miles long and fed by snowmelt throughout the year. It supports a diverse economy of towns, ranches, and outdoor recreation businesses all dependent on clean water and healthy ecosystems.



50,000+
people in Eagle County depend full-time on a healthy watershed

The Eagle River contributes about 9% of the Colorado River's flow at the Utah border. and between 2.5-3% of the total Colorado River Basin annual discharge

Stakeholder & Community Engagement

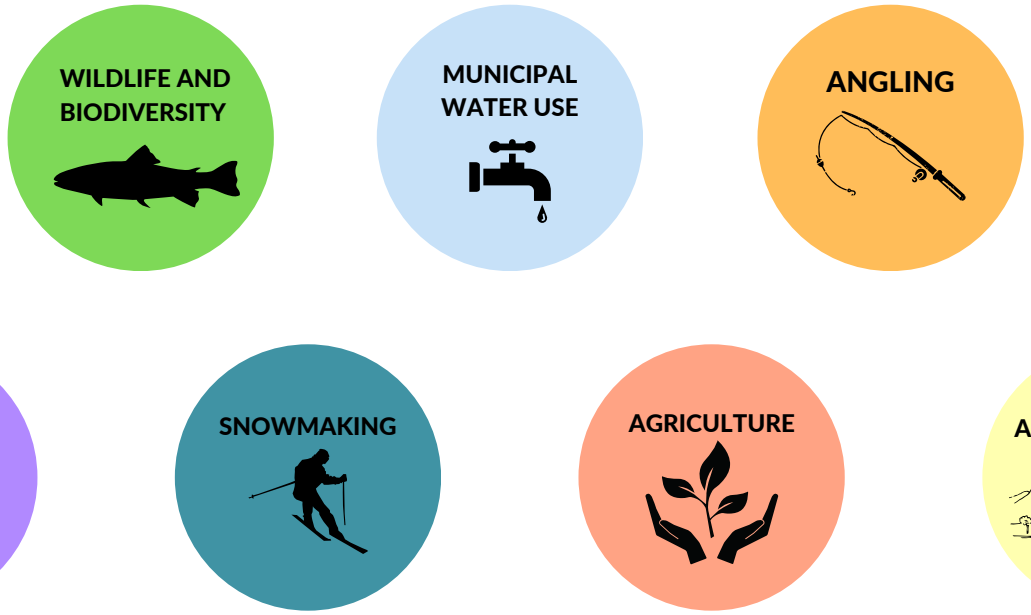


PURPOSE

Consider past, present, and future human and ecosystem river health values to identify opportunities to correct historical degradation and prevent and mitigate against non-desirable future conditions.

The CWP used a robust community engagement process spanning several years to gather local input, allow for shared learning and discussion about water concerns and issues, and establish a balanced process for developing shared strategies to address the future. The Core Stakeholder Group, Technical Advisory Committee, and Community Engagement Committee together spent over 1,000 hours at 19 meetings to develop the plan. The Community Engagement Committee conducted 3 surveys and attended numerous in-person events to gather input. They also delivered many presentations on the progress and results of the plan.

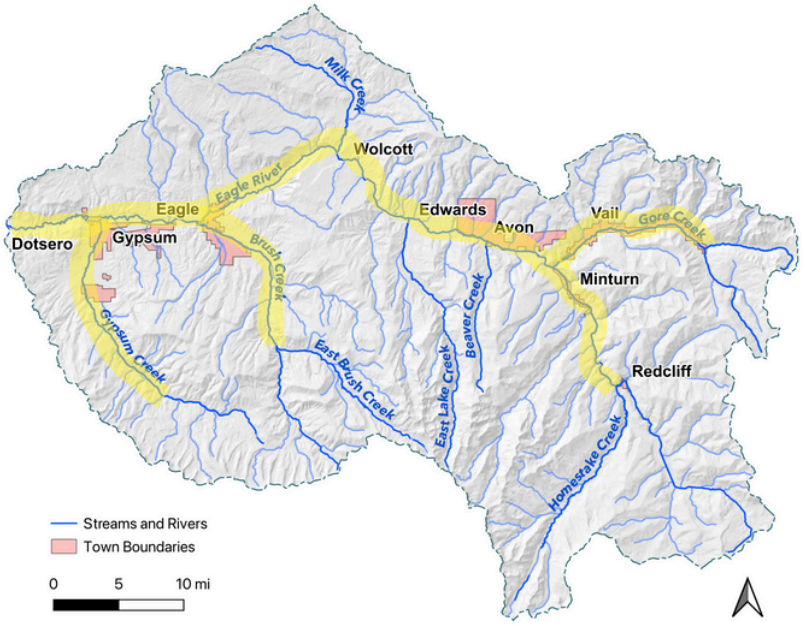
Community-Derived Values At Risk



Eagle County residents highly value water for a variety of human uses and for supporting robust natural communities of wildlife and plans. Stakeholders identified seven priority water-related values at risk. These are: Wildlife and Biodiversity, Municipal Water Supply, Agriculture, Angling, Recreational Boating, Aesthetics, and Snowmaking. These values were used to develop a set of Management Objectives to help guide future projects, policies, and other actions that support water security and river health.

Current Conditions

To set the stage for studying future impacts to the river, the Community Water Plan conducted an extensive review of existing scientific studies, policy documents, and management actions for the river and its tributaries. The project team conducted a diverse set of technical scientific assessments to characterize current ecosystem and water use conditions. These included completing numerous analyses on past and present streamflow trends. Planners assessed river system components like riparian vegetation health, sediment transport patterns and fish habitat quality, current whitewater boating and angling opportunities, and water quality datasets. Report Cards summarized these conditions for shorter stream segments, highlighting any issues.



Characterizing Future Risks

A key focus of the ERCWP was characterizing risks to river health and non-consumptive water uses due to changing hydrology or future water demands. A hydrological water supply planning model was used to understand the impacts of population growth, development of new reservoirs in the upper watershed, and different climate change trajectories. Future risks to river health and non-consumptive uses include increasing municipal water demand, new reservoirs and transmountain diversions, climate change, wildfire, and continued urbanization of the area's farmlands, forests, and rangelands. Using this model to simulate different scenario combinations allows the community to think about how future streamflow changes may affect water-related values we care about like river system health, drinking water supply, and water for recreation and business.

Use this QR Code to check out reach-specific information

Drivers of Future Conditions

Increasing Municipal Water Use

Increased Reservoir Capacity and TMDs

Climate Change

Urbanization

Wildfire

Initial Strategies

The Management Objective List was used to create an initial set of 30 strategies (projects, policies, or other management actions) that can help mitigate future risks to the values we derive from our streams and rivers. These strategies are grouped in nine categories:

- Instream habitat restoration
- Management of instream flows
- Climate studies/infrastructure
- Riparian habitat restoration
- Recreation infrastructure
- Recreation use management
- Turf reduction and landscaping
- Water rates
- Education and community outreach

Strategies are intended to be a roadmap for our community members and leaders to preserve and enhance the ability of our streams and rivers to meet human needs and sustain natural systems. This will require collaboration and cooperation among decision makers and resource managers, as well as funding from a variety of sources.

Get involved with **Eagle River Coalition** to help secure a vibrant future. Join as a program participant, volunteer, sponsor or donor, and become a guardian of your local rivers. Learn more and get involved at **eagleriverco.org.**

Please visit **waterplan.eagleriverco.org** to view the full Eagle River Community Water Plan and Technical Appendices.

EAGLE RIVER COALITION

Protecting Our Local Watersheds

Eagle River Community Water Plan

2024

EAGLE RIVER COALITION
461 RAILROAD AVENUE, UNIT C
PO BOX 1477 | GYPSUM, CO 81631

EAGLERIVERCO.ORG
970-826-5406
EIN: 20-4448864

EAGLE RIVER COALITION

Prepared For:

EAGLE RIVER COALITION
461 Railroad Ave, Unit C
PO Box 1477
Gypsum,CO 81631

Prepared By:

lōtic hydrological
345 Colorado Ave. Unit 104
Carbondale,CO 81623

With Support From:

TO THE POINT peak FACILITATION GROUP

JOHNSON ENVIRONMENTAL CONSULTING
The Confluence of Science & Application

Preface

"When you put your hand in a flowing stream, you touch the last that has gone before and the first of what is still to come." – Leonardo Da Vinci

Eagle River Coalition, formerly the Eagle River Watershed Council, initiated the Eagle River Community Water Plan in order to develop proactive water management recommendations that anticipate changes to local hydrology and water demand.

The State of Colorado laid the groundwork for this plan with the adoption of the Colorado Water Plan in 2015 that set out to have 80 percent of locally prioritized rivers covered by stream management plans by 2030. Through the planning process, we wanted to seek multiple benefits, engage community members and consider a changing environment while balancing all uses and protecting river health.

The Eagle River Watershed supports diverse uses of water that may be impacted by population growth and increasing municipal demand for water in Eagle County, climate change and volatility, and projects related to the Eagle River Memorandum of Understanding (ERMOU)–an intergovernmental agreement for developing municipal water supplies in the upper Eagle River watershed.

Therefore, the overall goal of the Eagle River Community Water Plan is to consider past, present and future human and ecosystem river health values to identify opportunities to correct historical degradation and prevent and mitigate against non-desirable future conditions.

Funding and Partner Support

The Eagle River Community Water Plan was made possible by efforts within the Colorado Water Plan adopted in 2015 and subsequent grant programs through the Colorado Water Conservation Board. Additional funding was provided by Homestake Water Project Partners, Eagle Park Reservoir Company, Eagle River Water & Sanitation District, Vail Resorts, Climax Mine (Freeport McMoran), Colorado River District, Eagle County and the towns of Vail, Avon, Gypsum and Minturn. The organizations indicated below regularly participated in the planning process and provided valuable insights, suggestions, and edits. The Eagle County Conservation District provided input on behalf of the agricultural community.

Town of Gypsum · Eagle County · Minturn · Climax Molybdenum, A Freeport-McMoRan Company · Vail Resorts, Experience of a Lifetime · Aurora Water · Avon Colorado · Town of Vail · Eagle River Water & Sanitation District · Colorado Springs Utilities, It's how we're all connected · Colorado River District · Edwards Colorado · Eagle County Conservation District · The Eagle River Fund · Northwest Colorado Council of Governments, Water Quality / Quantity Committee · National Forest Foundation · American Rivers, Rivers Connect Us

Disclaimer

The issues, needs, projects, and processes described here articulate the community's goals and objectives for collaboratively addressing the region's water future. The perspectives characterized here reflect outcomes of engagement with community members between 2017 and 2022. The Eagle River Community Water Plan does not supersede or serve as a substitution for any local, state, or federal permitting processes or subvert any existing water rights. Any objective or action identified in the ERCWP should be considered within the existing legal and regulatory framework.

A Note From the Eagle River Coalition

The Eagle River Watershed is not an unknown or unstudied resource. Many plans, projects and efforts precede this water plan. However, many of those planning efforts and assessments focus on existing water quality issues and current conditions. In order to mitigate human and environmental demand shortages that are generally undesirable, the Eagle River Community Water Plan placed greater focus on future water quantity and quality issues. This approach was motivated by the growing recognition that the future may bring altered hydrology and increased demand for water.

Within the Watershed, there are numerous user types and water uses to account for. Water is removed from the Eagle River and its tributaries in varying amounts at different times of the year to support agriculture, domestic uses, and recreation (e.g., rafting and snow making). Water is also diverted from the headwaters across the Continental Divide through a system of transbasin diversions for use on the Front Range. The water left in rivers and streams supports fishing, boating and other recreational uses, which contribute to residents' high quality of life and the success of the local economy. The well-being of our communities relies on healthy aquatic ecosystems. The health of streams and river, in turn, is significantly influenced by the amount and timing of streamflows and the degree to which those flows resemble natural conditions.

The Eagle River Coalition initiated the Eagle River Community Water Plan with a two-part mission to 1) consider past, present, and future human needs and river health issues to identify opportunities to correct historical degradation and prevent and mitigate against non-desirable future conditions for environmental and recreational water uses; and 2) understand the independent and interactive impacts of population growth, water use, reservoir development, and climate change (air temp. and precipitation patterns) on human and ecosystem water needs.

We hope this planning effort can help water managers and policy makers better understand the community's concerns about the well-being of our streams and rivers. Notably, this effort produced a set of Management Objectives that synthesize what stakeholders and the community want to achieve and represent a shared vision for streams and rivers in Eagle County.

Sincerely,

James Dilzell

Executive Director
Eagle River Coalition

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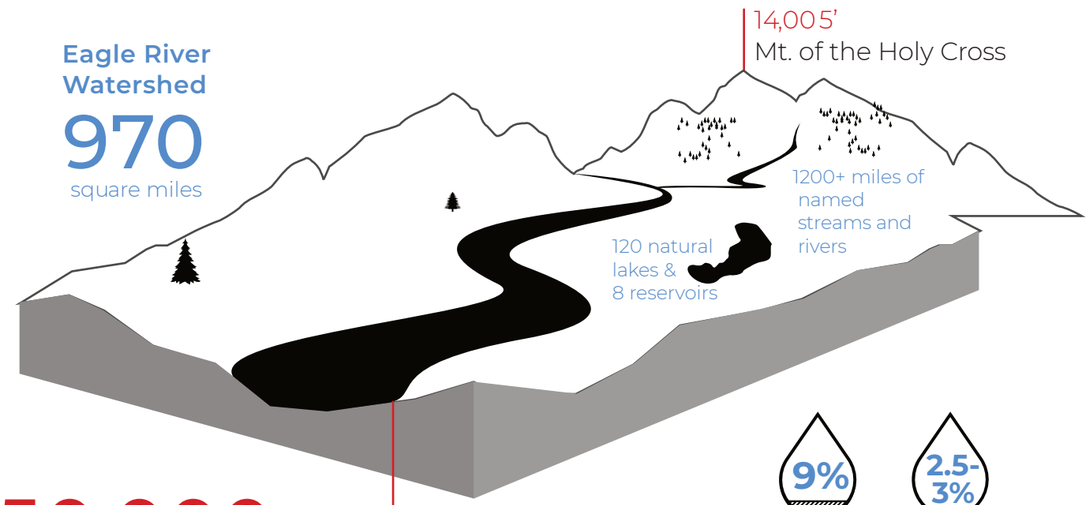
Glossary of Terms

BIP	Basin Implementation Plan
BLM	Bureau of Land Management
CBRT	Colorado Basin Roundtable
CEC	Community Engagement Committee
CTG	Core/Technical Group
CWCB	Colorado Water Conservation Board
CWP	Colorado Water Plan
EGS	Ecosystem Goods and Services
ER20	Eagle River 20 Simulation Model
ERC	Eagle River Coalition (formally Eagle River Watershed Council)
ERCWP	Eagle River Community Water Plan
ERMOU	Eagle River Memorandum of Understanding
ERWP	Eagle River Watershed Plan
IWMP	Integrated Water Management Plan
SMP	Stream Management Plan
TMD	Transmountain Diversion
USFS	United States Forest Service
USGS	United States Geological Service

Plan Summary



50,000+

people in Eagle County depend full-time on a healthy watershed

The Eagle River contributes about 9% of the Colorado River's flow at the Utah border. and between 2.5-3% of the total Colorado River Basin annual discharge.

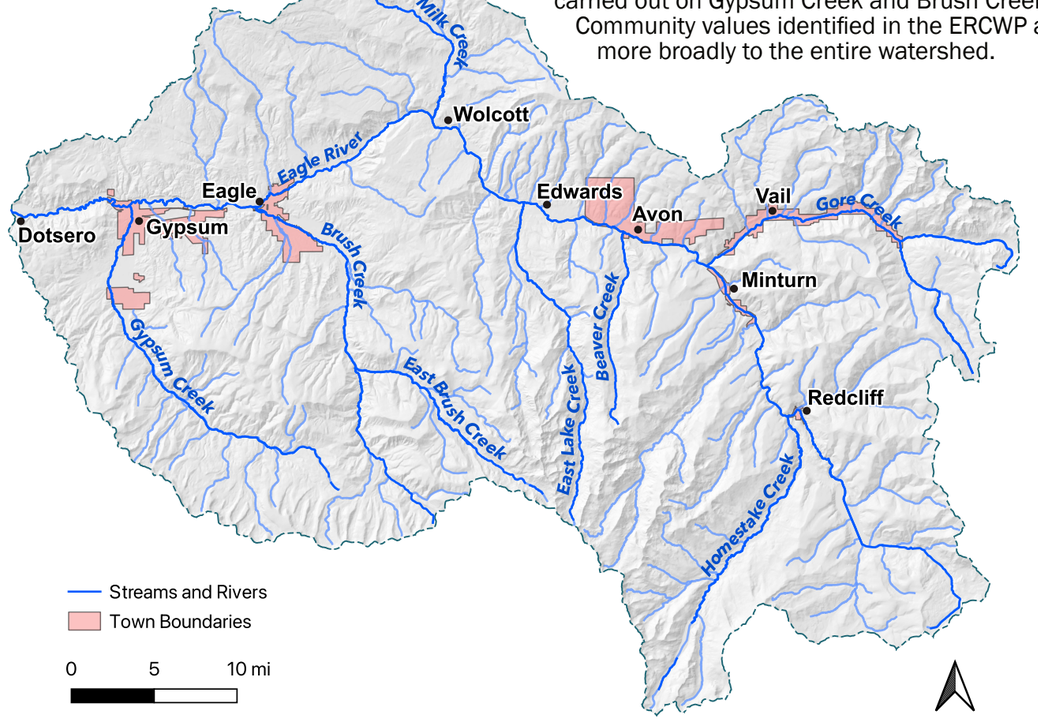
The Eagle River watershed is home to a network of clear mountain streams and rivers that cover approximately 960 square miles of rugged mountain ridges and verdant river valleys. Elevations in the watershed range from 6,100 feet near Dotsero to 14,003 feet at the summit of Mount of the Holy Cross, supporting a diversity of ecological communities reflective of this dramatic elevation range. Unique among most Colorado watersheds, approximately 98% of the Eagle River basin is located in a single jurisdictional boundary - Eagle County. Nearly 75% of the watershed is on public land managed by two federal agencies, the United States Forest Service (USFS) and the Bureau of Land Management (BLM). Flowing north then west for about 77 miles, the Eagle River originates in steep headwaters catchments above tree-line near Tennessee Pass. It is fed by numerous ephemeral, intermittent and perennial streams, springs and seeps as it descends through montane forests and semi-arid valley bottoms near its confluence with the Colorado River at Dotsero. Water from the mainstem Eagle River and its many tributaries supports a high diversity of ecological and human uses as they traverse Eagle County. Understanding and protecting these uses is the primary interest of the Eagle River Community Water Plan (ERCWP, or the "Plan").

Although the natural flow regime[1] of many waterways in the Eagle watershed are much more i other Colorado streams and rivers, human settlement and the associated consumptive use and management of water inexorably alters streamflow. Roughly 75% of the average annual flow volume of the Eagle River occurs during the months of May, June and July. The remaining 25% of flow is spread across the rest of the year, supporting aquatic and terrestrial wildlife, numerous recreational uses, and helping to meet community demands for affordable, clean and reliable water supplies (ERWP, 1996). Reservoir storage and transmountain diversions reduce streamflows during snowmelt periods on many headwaters streams, with additional flow impacts rippling downstream. Conversely, these releases augment flows in some reaches during summer and fall low flow periods when water diversions for municipal and agricultural uses would otherwise reduce flows well below natural conditions. A warming climate and increasing demand for agricultural and municipal water in Eagle County and Front Range communities is likely to significantly alter patterns of streamflow in local streams and rivers in the coming decades.

The Eagle River flows into the 21st century amidst a host of changing landscapes and climate characteristics. Increasing human populations, shifting values towards water uses, and increasing impacts to streams and rivers from climate change place new pressures on local streams and rivers to satisfy the needs of both human communities and aquatic ecosystems[2]. These changes may have corresponding impacts on environmental and recreational water uses.

Planning Area

The primary geography considered by the Plan's various technical analyses includes the mainstem Eagle River below the confluence with Homestake Creek and Gore Creek below the Confluence with Black Gore Creek. A less-intensive evaluation and project identification effort was also carried out on Gypsum Creek and Brush Creek. Community values identified in the ERCWP apply more broadly to the entire watershed.



[1] A river's flow regime is the natural pattern of flow over time and can be described by the magnitude, timing, and frequency of high and low flows. In the Rocky Mountains, the natural flow regime typically features high, fast flows in late spring and early summer, declining through summer and early fall until low winter base flows settle into place.
[2] https://dnrweblink.state.co.us/CWCB/0/edoc/217373/ColoradoWaterPlanPublicReviewDraft.pdf

Planning Goals

Eagle River Coalition (ERC) seeks to understand environmental and recreational (E&R) water needs within the Eagle River Basin. Assessing impacts of future water development and climate change on river health and socially valuable aspects of the river is central to this task. This interest led ERC to coordinate the activities of the ERCWP. ERC produced the Plan collaboratively with local stakeholders and Front Range water providers to achieve the following[1]:

- Support the sustainable development of natural and physical resources and the maintenance of ecological processes and biological diversity;
- promote the equitable and sustainable use and development of water;
- encourage public involvement in resource management and planning;
- promote the sharing of responsibility for resource management and planning between the local city and county governments, municipal water providers, out-of-basin water interests, the community, and state and federal government agencies;
- provide timely information and forecasts that directly support environmental, social, economic, conservation and resource management policy development and decision-making by local governments, utilities and special districts;
- secure a pleasant, safe and desirable working, living, and recreational environment for all residents and visitors to Eagle County;
- conserve those areas or other places which are of scientific, aesthetic, or otherwise of special cultural or environmental value;
- recognize the significant social and economic benefits resulting from the sustainable use of water resources for the supply of drinking water and commercial activities dependent on local rivers and streams;
- maintain healthy, functioning ecosystem processes and high levels of biodiversity in aquatic ecosystems;
- provide for the fair, orderly and efficient allocation of water resources to meet the community's needs;
- increase the community's understanding of aquatic ecosystems and the need to use and manage water in a sustainable and cost-efficient manner;
- provide information supporting procedures for evaluation, implementation, enforcement, and review of water resources management activities; and
- consider the multiple uses of water and the ways that each use may be affected differently by climate change, population growth, and other stressors.

The Plan promotes sustainable resource use and development. The concept of sustainable development means managing for the use, development and protection of natural and physical resources in a way, or at a rate, that enables communities to provide for their social, economic and cultural well-being and for their health and safety while: 1) sustaining the potential of natural and physical resources to meet the reasonably foreseeable needs of future generations in Eagle County; 2) safeguarding the life-supporting capacity of water and aquatic ecosystems; and 3) avoiding the need to mitigate any adverse effects of human activities on the environment[2].

The Plan assesses historical hydrological conditions and presents a range of potential water use and management futures to consider how well these futures continue to support the diversity of human and ecosystem needs. The primary output of this plan is a collaboratively prioritized set of management strategies that reflect the goals, needs, and values of the local community. The goals, objectives and strategies developed under the Plan are not, necessarily, restricted to the same geography as that covered by the technical analyses.

[1] Informed, in part, by the New South Wales Water Management Act 2000 No. 92, the Tasmania Water Management Act 1995, and the Victoria Environment Protection Act 2017.
[2] Tasmania Water Management Act 1999

The two-part mission of the Eagle River Community Water Plan is to:

- consider past, present, and future human needs and river health issues to identify opportunities to correct historical degradation and prevent and mitigate against non-desirable future conditions for environmental and recreational water uses; and
- understand the independent and interactive impacts of population growth, water use, reservoir development, and climate change (air temperature and precipitation patterns) on human and ecosystem water needs.

See **Appendix A** for a more detailed discussion of the planning goals and objectives.

Use of the Plan

This Plan provides a road map for community members, local governments and other organizations eager to implement projects that support diverse water needs. Specifically, the Plan provides: 1) a framework for characterizing potential impacts/changes to riverine conditions and/or identifying areas where river health may be most impacted by the interaction between proposed water management activities and other physical and biological components of the ecosystem, 2) an understanding of environmental and recreational needs gaps as they are affected by hydrological variability and increasing demands for water in Eagle County and on the Front Range, and 3) a set of durable planning objectives that may help guide the distribution of funds to support high-priority environmental and/or recreational needs across Eagle County. Importantly, the conformance of goals and objectives identified in the ERCWP and the Colorado River Basin Roundtable (CBRT) Basin Implementation Plan (BIP) should facilitate the procurement of state and federal funding for local project implementation.

The ERCWP serves as a guidance document that provides insight into watershed-level values and priorities. Through the planning process, stakeholders outlined objectives and identified strategies to create a foundation for the communities of the Eagle River to mitigate potential future impacts on the values they hold associated with the River.

- Stakeholders can use the Plan to better understand community values associated with the Eagle River and leverage the objectives and strategies identified in the plan to apply for grants and other funding opportunities.
- Land managers can use the Plan to help decide where and how to allocate resources.
- Decision-makers can use the contents of the ERCWP as supporting information to make informed decisions about where and how to align policy and allocation of resources in a manner that reflects stakeholder and community perspectives.

Planning Context

The Colorado Water Plan (CWP) seeks to understand the state's water needs, identify gaps and promote projects and processes to meet those needs. The CWP recognizes the potential for changes in water supplies necessary to sustain local communities and meet diverse water needs. The state of Colorado encourages local stakeholders to engage in strategic planning efforts that collaboratively address their changing water futures[1]. Specifically, the Colorado River Basin Roundtable called for Stream Management Plans and Integrated Management Plans in the BIP as a means for filling important data and information gaps[2]. ERC's 2013 Eagle River Watershed Plan (ERWP) further promoted stream management planning to aid locally-sustainable water management.

> ***"[...] where individual reaches of rivers or streams are identified as impaired or having inadequate flows, craft and implement Streamflow Management Plans that offer creative and cost effective strategies to address ecological, domestic, recreational and agricultural water needs." (ERWP, 2013)***

In 2018, ERC and other local stakeholders recognized a general lack of information necessary to understand environmental and recreational water needs in the Eagle River Watershed, and how these needs may be impacted by climate change and/or water development activities. These stakeholders saw opportunity to fill this important data gap and supplement ongoing planning efforts by local municipal water providers focused on meeting future demands under increasingly variable environmental conditions. The ERCWP was conceptualized as an effort to provide a nuanced evaluation of changing environmental conditions and recreational use opportunities on streams and rivers in response to a changing climate, growing population and changing patterns of land use.

Community Engagement Process

The Eagle River Community Water Plan implemented a structured stakeholder process to elicit feedback from the community regarding water use and management in the planning area (see **Appendix B** for more information). The planning process promoted sound strategic planning and coordinated action by various government and non-government entities and members by:

- providing a venue for discussing the multiple uses of water and the ways that each contributes to the vitality of local communities;
- ensuring that the impacts on E&R water uses were considered when contemplating future use and development of water; and
- establishing a structured and facilitated dialog among parties for setting objectives and identifying best practices, policies and other recommendations for the use, development and protection of water resources.

Engagement with stakeholders via surveys, webinars, and in-person workshop settings featured activities that helped stakeholders contemplate relationships between existing patterns of water use, ecosystem condition, the goods and services that streams and rivers deliver to local communities, and the potential for future impacts to the delivery of those goods and services due to climate change and/or water development activities. At the first ERCWP Stakeholder Group meeting in June 2018, stakeholders formed several groups in order to guide the development of the plan: the ERCWP Stakeholder Group, the Core/Technical Group, and the Community Engagement Committee. Each group had a distinct role in the formation of the ERCWP.

19 Stakeholder Group Meetings

1061 Total Hours

[1] https://dnrweblink.state.co.us/CWCB/0/edoc/217373/ColoradoWaterPlanPublicReviewDraft.pdf
[2] https://dnrweblink.state.co.us/cwcbsearch/0/edoc/216708/Colorado_BIP_Volume2_2022.pdf

ERCWP Stakeholder Group

The ERCWP Stakeholder Group consisted of stakeholders from environmental and conservation organizations, local and Front Range water providers, community members, ERMOU signatories, outfitters, conservation districts, regional government entities, local municipalities, Eagle County, and state agencies. The Stakeholder Group had an open membership for anyone interested in providing feedback on the ERCWP. The Stakeholder Group met regularly to conduct peer-to-peer learning about topics significant to the ERCWP, provide updates and input on parallel technical developments and community engagement efforts, and identify additional high-priority planning issues. The ERCWP Stakeholder Group was responsible for developing the ERCWP objectives, strategies, and project list in this plan. The Stakeholder Group was open to anyone interested in the future of the river and committed to regular and active participation in meetings.

25 Technical Group Meetings

424 Total Hours

Core/Technical Group

The Core/Technical Group (CTG) focused solely on the technical aspects of the ERCWP. Members of this group self-selected to participate in the group. The CTG consisted of members from state agencies, ERMOU partners, technical consultants, regional governmental entities, Eagle County, and local municipalities. The CTG met monthly until the completion of the technical elements of the plan. The purpose of the CTG was to ensure that those who have ideas or preferences about the technical elements of the ERCWP have the opportunity to provide meaningful feedback and direction to Lotic Hydrological (the technical consultant).

Word cloud created by community members during a live survey activity at a community meeting in 2019. Participants were asked to provide words that captured their experiences with local rivers and streams, their personal water uses, or their concerns for the well being of local waterways.

Community Engagement Committee

The Community Engagement Committee (CEC) focused solely on providing ongoing advice and expertise to the technical consultant and Peak Facilitation Group to help deliver the most effective community engagement possible during the ERCWP process. The Community Engagement Committee was comprised of members from local municipalities, Eagle County, ERMOU partners, state agencies, environmental and conservation organizations, local and Front Range water providers, outfitters, and conservation districts. The Community Engagement Committee designed and provided input on several community engagement strategies, including community meetings and several surveys, and helped interpret results.

The ERCWP was created with significant input through the ERCWP Stakeholder Group, Core/Tech Group and Community Engagement Committee. From 2018 to 2022, the Stakeholder Group, Community Engagement Committee and Technical Advisory Group met 53 times for a total of 1,433 hours.

ERC hopes that the voice of the community reflected in this Plan continues to be informative and useful to elected officials and other decision-makers as they endeavor to plan for Eagle County's water future in a manner consistent with the goals and principles set forth here.

Throughout the ERCWP planning process, the CEC employed several methods to engage the broader community and solicit feedback on different elements of the ERCWP. The CEC organized community meetings with in-person activities and exercises to gather community perspectives and values. They also set up booths at existing events with similar exercises to reach specific audiences. Some of the engagement opportunities collected demographic data for the purpose of communicating with decision-makers about who was providing input on the ERCWP and whether those providing input on the ERCWP were representative of the population in Eagle Valley. The CEC designed three different surveys to collect community feedback: two conducted in 2019 and another conducted in 2022.

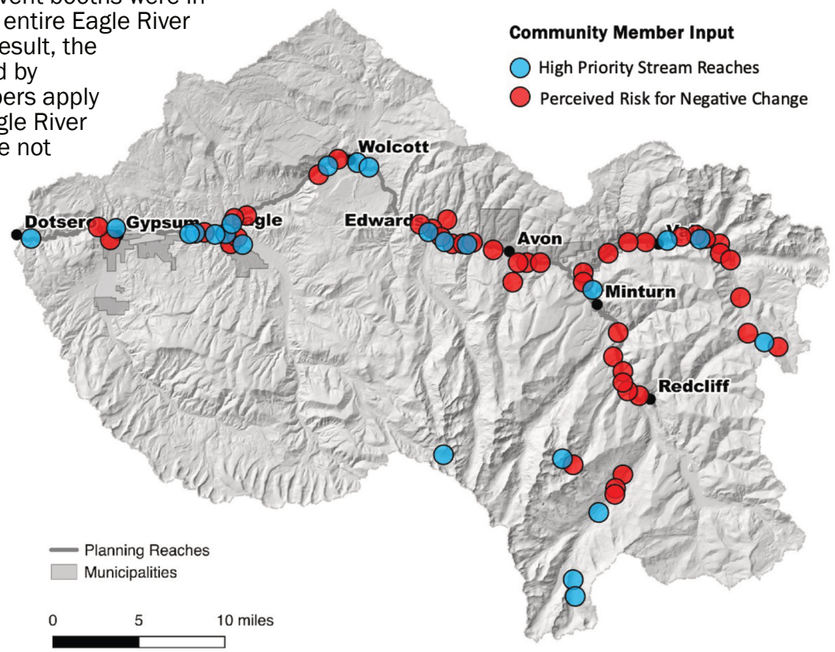
15 Outreach Meetings

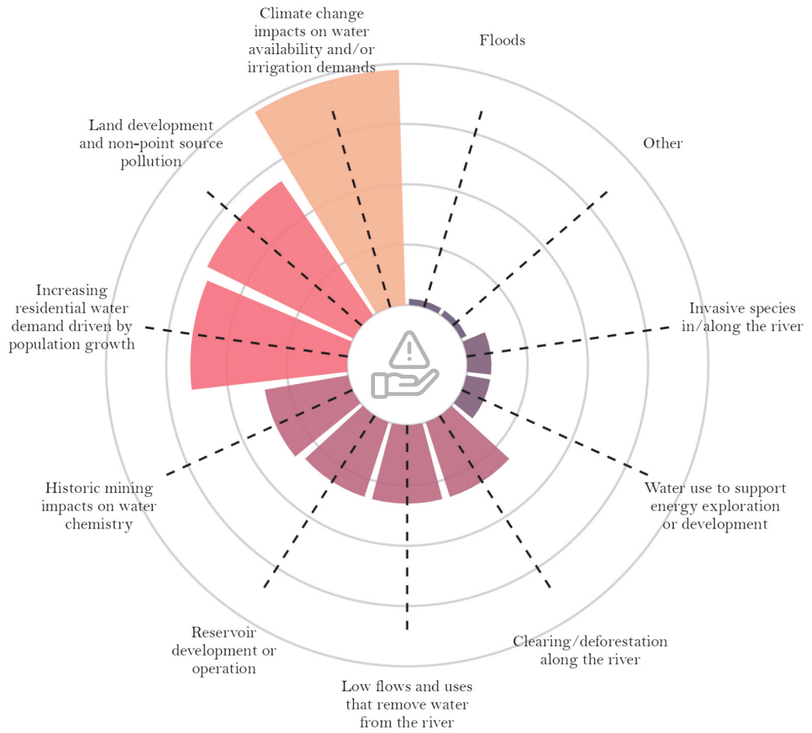
130 Total Hours

Nearly 30 percent of Eagle County identifies as Hispanic, according to US Census results. Therefore, the CEC made deliberate efforts to engage members of the Hispanic and Spanish-speaking community in Eagle County. In 2019, the CEC organized a community meeting with Spanish-speaking facilitator. Eagle County provided Spanish translation services so that one community survey could be distributed in Spanish.

Input from Community Members

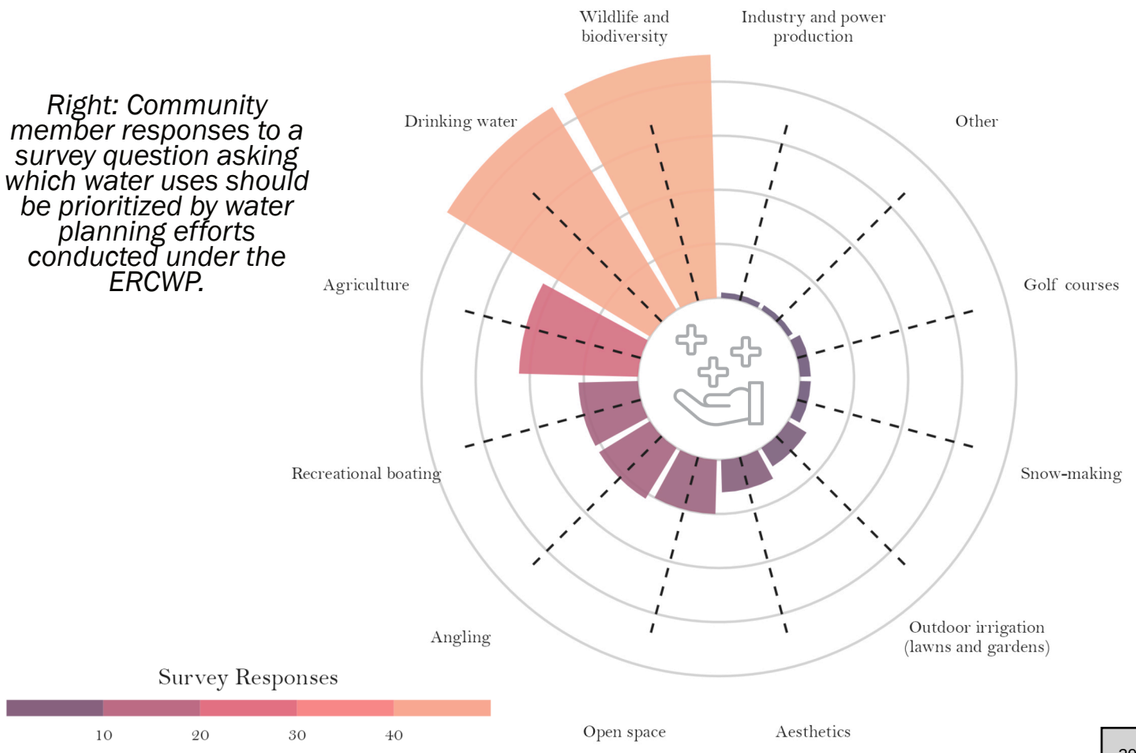
In early 2019, the CEC hosted two community meetings, one down-valley and one up-valley. One of these meetings included a Spanish-speaking facilitator. The purpose of the community meetings was to provide information about the ERCWP planning effort and gather information from community members about their perspectives on the priority water uses on the Eagle River. Meeting participants participated in several activities designed to collect their input. One activity asked community members to indicate on a map of the watershed, locations they had a special attachment to and thought should be prioritized by the ERCWP, and locations that they perceived at particular risk for negative change in the future (see map below). A survey questionnaire was additionally used to collect input about perceived risks to the health of streams and rivers throughout the watershed and community members' water use priorities for the ERCWP (see opposite page for summarized survey responses). A separate survey was distributed to community members, asking about streamflow preferences on different stream reaches needed to support whitewater boating activities. In total, more than 400 community members provided input to the planning process. Questions asked of the community via surveys, community workshops, and event booths were in the context of the entire Eagle River Watershed. As a result, the feedback provided by community members apply to the broader Eagle River watershed and are not restricted to the same geography as the technical assessment.





Left: Community member responses to a survey question asking participants to indicate their greatest perceived risks to the health of the Eagle River and its tributaries.

Right: Community member responses to a survey question asking which water uses should be prioritized by water planning efforts conducted under the ERCWP.



Assessment of Current Conditions

The ERCWP process began with a comprehensive search of scientific literature, resource studies and reports (**Appendix D**), and a review of existing policy, water rights (**Appendix E**), and management actions specific to the Eagle River watershed. This review provided context for understanding the diversity of social and environmental objectives that influence local and regional water use and management, and the array of historical conditions and trends in natural conditions. While numerous works were completed by local parties and agency partners like U.S. Geological Survey (USGS) concerning water quantity, quality, and the condition of aquatic life, fisheries, and riparian health in the watershed, a smaller subset of publications have particular relevance to streamflows and non-consumptive water use and needs for ecosystems and recreation. Sources critical to the development of the ERCWP include:

- **Colorado Water Plan**, 2015 (updated 2023): serves as the foundation of the ERCWP by providing initiatives, connections, and values to meet Colorado's current and future consumptive, recreational, and environmental water needs.
- **Technical Update to the Colorado Water Plan** (2019): communicates and makes publicly-available the state's supply and demand projection data, and the methods, analytical tools, and results used to underpin the CWP's findings and recommendations.
- **Colorado Basin Roundtable Basin Implementation Plan** (2015, updated 2022): identifies stream management plans (SMPs) and Integrated Water Management Plans (IWMPs) as top priorities. The CBRT states that such planning is vital to providing sufficient water for environmental needs among the many competing uses and demands for water, and thereby restoring and protecting ecological processes that connect land and water while ensuring that streams also serve the needs of human populations.
- **Eagle River Memorandum of Understanding Project Alternatives Study** (2016) provides evaluations of some potential project alternatives to develop water storage and conveyance projects in the Eagle River basin for West Slope and East Slope interests. The ERMOU was executed in 1998 by multiple signatories. Various development alternatives are currently being considered. Future permitting will assess impacts on water quantity and quality in the Eagle River. For instance, water diversions and storage can reduce the intensity of spring runoff flows that are important in the maintenance of aquatic habitat. Spring flows flush fine sediments from the channel substrate and provide the high-quality gravel beds needed by aquatic insects and fish for reproduction. High flows also maintain riparian communities through flooding of the banks and riparian zones adjacent to the river. Studies have not been conducted to determine how much of a "flushing" flow is actually needed on the Eagle River to maintain optimal habitat for aquatic life and bank recharge.
- **Eagle River Watershed Plan** (2013): provides information, goals, strategies and actio related to water and land management practices in the Eagle River basin. The 2013 document updates and replaces the 1996 version and includes significant new information, community input plus the vision for watersheds in Eagle County. Several issues and recommendations are discussed which provide relevant background to the development of an IWMP. The ERWP is organized around five water related topics (Quantity, Quality, Land Use, Wildlife and Recreation) all of which provide direction and insights for the ERCWP.
- **Eagle River Inventory and Assessment** (2005): an inclusive, scientific baseline inventory and assessment of the Eagle River with a prioritized list of restoration and conservation projects, including brief descriptions and cost estimates. It also measures public support for various prospective projects and other recommended actions. A comprehensive list of ten watershed restoration principles from scientific literature and case studies to improve the likelihood of success was included for reference and subsequent work plans.
- **Eagle River Assembly, Assembly Report** (1994, updated 2000): convened to find a path through the acrimonious gridlock surrounding Colorado Springs and Aurora's efforts to develop the Homestake II project. The assembly reported potential strategies that would: 1) improve the condition of the river, and 2) assure adequate water supplies for future needs. The resulting assessment concluded that flows in the Eagle River were inadequate to meet existing environmental and water supply demands in average years and dryer than average years, principally in late summer and winter months. Environmental concerns were based on identified `stream flow deficits' where the amount of water in the stream was not adequate to meet recommended instream flow rights that had been implemented years earlier (CWCB flow rights) for the protection of fish. Work by the Assembly eventually led to the 1998 Eagle River Memorandum of Understanding, which specified conditions for sharing allocated but undeveloped water in joint or individual water projects, and potential priority focus areas for projects.
- **USGS Assessment of surface-water quantity and quality, Eagle River watershed, Colorado** (2007): provides a historical characterization of water quantity and quality, including spatial patterns and trends. Findings from the report helped direct ongoing water quality monitoring activities coordinated by the Eagle River Coalition.

This historical body of work provides a rich context for understanding historical and present issues facing water users, water managers, and community members. optimizing water management decisions to support existing uses while, simultaneously, alleviating constraints on the delivery of important ecosystem goods and services (EGS). It is often difficult to quantify EGS value given their nature as non-market common public amenities. Clean water, healthy fisheries, or stunning viewscapes provide intangible benefits that do not easily fit within the economic valuation and cost-benefit frameworks that typically drive resource management decisions. However, when delivery of EGS is acutely constrained, some corresponding impact—direct or indirect—to local economies, livelihoods, or quality-of-life frequently arises, driving the need to identify alternative resource management strategies. The ERCWP considers three primary attributes (the "Attributes") commonly associated with EGS and frequently affected by water resource management activities: channel dynamics, riparian health, and aquatic habitat.

Channel Dynamics

Channel dynamics encompass the fluvial and geomorphological processes that interact to control channel form and evolution across a range of spatial and temporal scales. Channel dynamics respond to interactions between patterns of rainfall and runoff, catchment-scale physical attributes (e.g. surficial geology, topography), riparian community structure, and local use practices (e.g. transportation corridor alignment, grazing practices). As a result, human management activities that modify the hydrological regime, alter patterns of erosion, adjust the structure of the channel bed, or modify riparian vegetation may yield fundamental shifts in the geometry and behavior of the stream at the channel (tens of yards) or reach (hundreds of yards) scale.

Alteration of sediment supply, channel forming flows, or streambank vegetation may lead to complex interactive effects that result in reduced resiliency of local channel forms. For example, in unconfined alluvial streams, degradation of riparian forests frequently results in diminished bank cohesion, an increased rate of channel avulsion, and a progressive widening and filling of the stream channel itself. These high-dynamic channel states generally provide poor aquatic habitat and present a risk to streamside property and infrastructure.

Riparian Health

Riparian areas support a wide variety of physical, biological, and ecological processes. Riparian zones generate important organic inputs for stream ecosystems, support streambank cohesion, perform vital nutrient cycling roles, and lend to the quality of aquatic habitat by providing shade and buffering against temperature extremes. The hydrological regime, sediment and channel dynamics, invasive vegetation, and near-stream land uses frequently impact the functionality of riparian areas.

Riparian areas exist in a complex equilibrium state governed by the local geometry of the channel/floodplain system and the inter-annual pattern of flood flows and baseflows. Occasional scouring of overbank areas provides the necessary habitat for germination of many riparian plant species. Following germination, seedlings require a relatively slow reduction in water table height over the progression of the growing year. Rapid water table reduction or late season water table heights that drop below the rooting depth of cottonwoods and other riparian plants stresses vegetation and can leads to mortality. Management activities that alter the magnitude, timing, or frequency of peak flows and baseflows, therefore, may limit riparian recruitment leading to decadent stands with little or no regeneration.

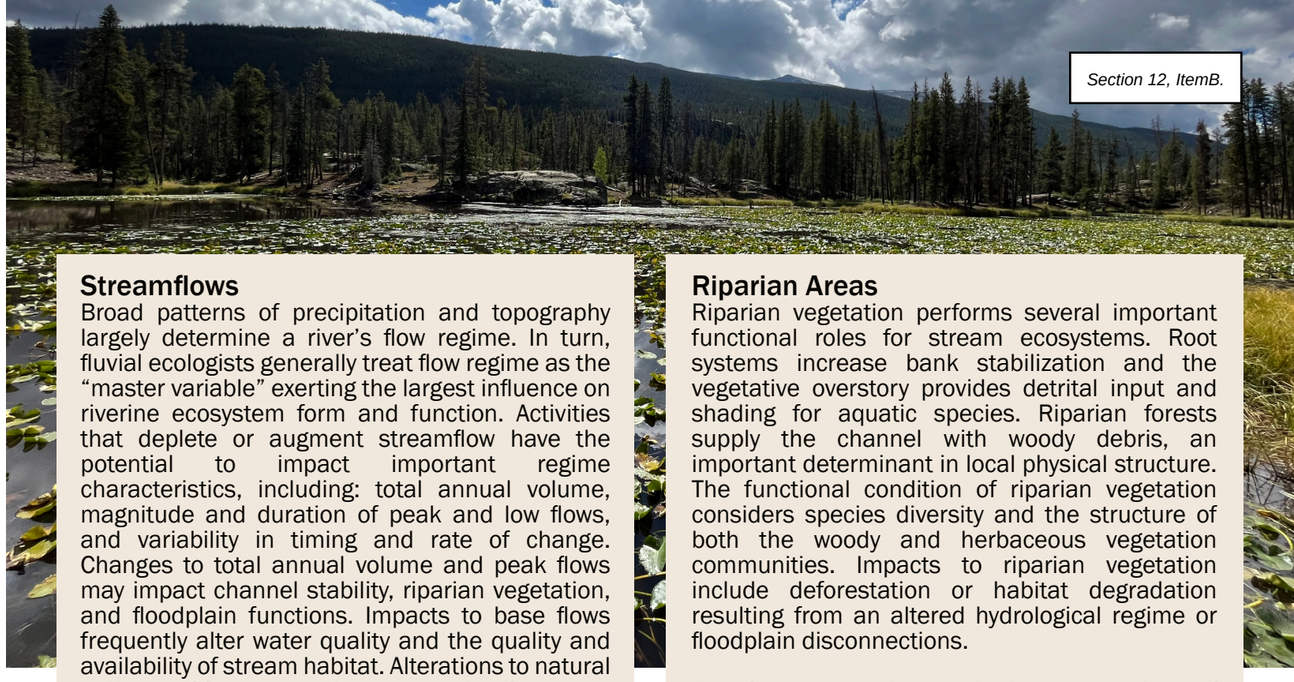
Aquatic Habitat

Interactions between streambed structure, channel hydraulics, water chemistry, vegetative shading, and organic matter inputs dictate the quality of habitat available for fish, macroinvertebrates, and macrophytes. In alluvial stream systems, high quality habitat typically supports vibrant and productive aquatic ecosystems—the kind of ecosystems that sustain robust trout fisheries. Habitat quality shares a directly proportional relationship to food-chain length in many systems. Ecosystems supporting long food chains tend to display greater resilience to changing external forcing variables like climate. Land and water management activities that affect sediment transport dynamics, streambed complexity, riparian shading, and local hydraulics comprise important primary controls on aquatic habitat quality.

Many aquatic species rely on specific and relatively narrow ranges of water depth, velocity and substrate types to perform various feeding/resting behaviors or complete different life stages. Fragmentation or degradation of habitat for aquatic species may, therefore, arise from modification of the hydrological regime, which alters local channel hydraulics and the spatial distribution of water depths and velocities. In a similar fashion, activities that physically alter the structure of the streambed may impact habitat quality by transforming the local hydraulic channel response to a given streamflow. The critical interaction between local structure and hydraulics gives credence to restoration approaches that aim to improve ecosystem function by reconfiguring channel cross-sectional geometry or planform patterns.

Functional Assessment Criteria

The complex interplay between the human, physical, chemical, and biological components of the riverine systems complicates the task of identifying appropriate management strategies that respond to local concerns about one or more of the Attributes. Each Attribute aggregates a suite of connected processes or characteristics. Therefore, evaluating the functional condition of multiple components of the system represents the first step towards developing a management plan that focuses actions on those components of the system constraining the delivery of highly valued EGS. The existence of complex interactions between Attributes makes it necessary to disaggregate them into a collection of state variables. These variables describe more fundamental ecosystem processes and provide a more straightforward basis for measurement and evaluation. The ERCWP assessed functional condition and identified constraints on the delivery of EGS based on a suite of physiochemical, biologic, geomorphic, hydrologic and hydraulic state variables. These include: streamflows, streambed sediment, water quality, riparian areas, river form, aquatic habitat, and aquatic life. Evaluation of each variable enabled a robust characterization of existing conditions and supported predictive assessments of changes in future state across a range of spatial scales.



Streamflows
Broad patterns of precipitation and topography largely determine a river's flow regime. In turn, fluvial ecologists generally treat flow regime as the "master variable" exerting the largest influence on riverine ecosystem form and function. Activities that deplete or augment streamflow have the potential to impact important regime characteristics, including: total annual volume, magnitude and duration of peak and low flows, and variability in timing and rate of change. Changes to total annual volume and peak flows may impact channel stability, riparian vegetation, and floodplain functions. Impacts to base flows frequently alter water quality and the quality and availability of stream habitat. Alterations to natural patterns of flow variability, including the frequency and timing of floods, impact fish, aquatic insects and other biota with life history strategies tied to predictable rates of occurrence or change.

Streambed Sediment
The production and transport of sediment within a stream system is a crucial determinant of stream form, habitat quality and general long-term stability. Functional condition considers the amount and timing of sediment production from the contributing watershed via surface and channel erosion, and sediment transport to and through the stream channel. Watershed-scale disruptions, such as deforestation, wildfire or reservoir construction/operation, can alter sediment regime characteristics.

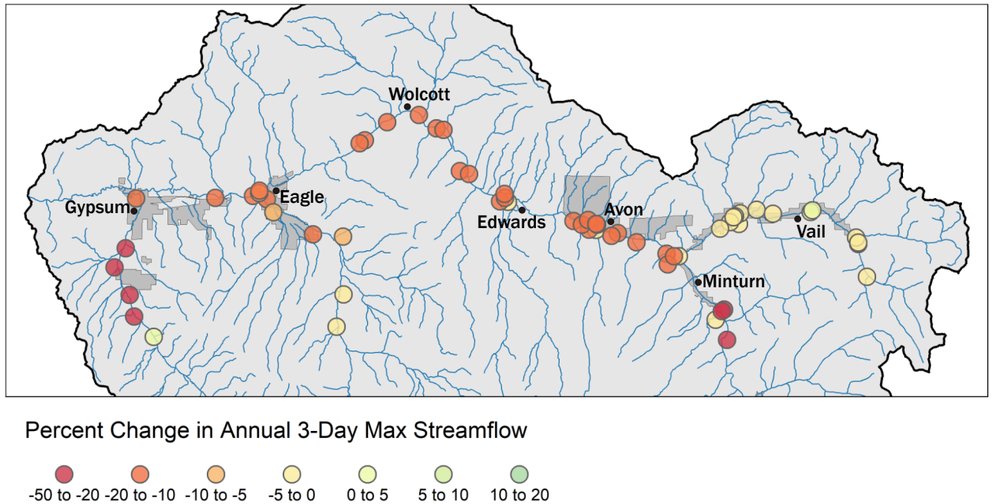
Water Quality
Natural geological weathering and human activities occurring at the scale of the contributing watershed largely dictate the physicochemical properties apparent on a stream reach. Biogeochemical processing by stream organisms may alter local water quality conditions to a small degree. Physical water quality conditions (e.g. water temperature), while somewhat influenced by local patterns of channel form and stream-side vegetation, remain fundamentally rooted in upstream conditions.

Riparian Areas
Riparian vegetation performs several important functional roles for stream ecosystems. Root systems increase bank stabilization and the vegetative overstory provides detrital input and shading for aquatic species. Riparian forests supply the channel with woody debris, an important determinant in local physical structure. The functional condition of riparian vegetation considers species diversity and the structure of both the woody and herbaceous vegetation communities. Impacts to riparian vegetation include deforestation or habitat degradation resulting from an altered hydrological regime or floodplain disconnections.

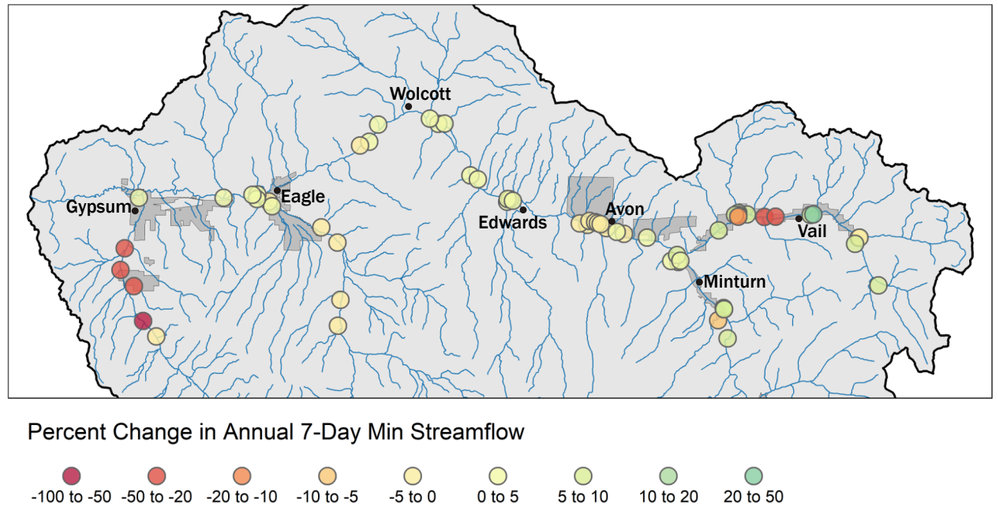
The frequency, lateral extent, and duration of interactions between the channel and the adjacent floodplain create a characteristic pattern of hydrological connectivity that determines the extent to which the river accesses and hydrates overbank areas. Overbank flows elevate the water table in the alluvial aquifer and produce favorable conditions for riparian vegetation. Typical floodplain connectivity impairments result from watershed-scale impacts to the flow regime or localized geomorphic impacts from artificial levees, ditches, channelization, or channel enlargement.

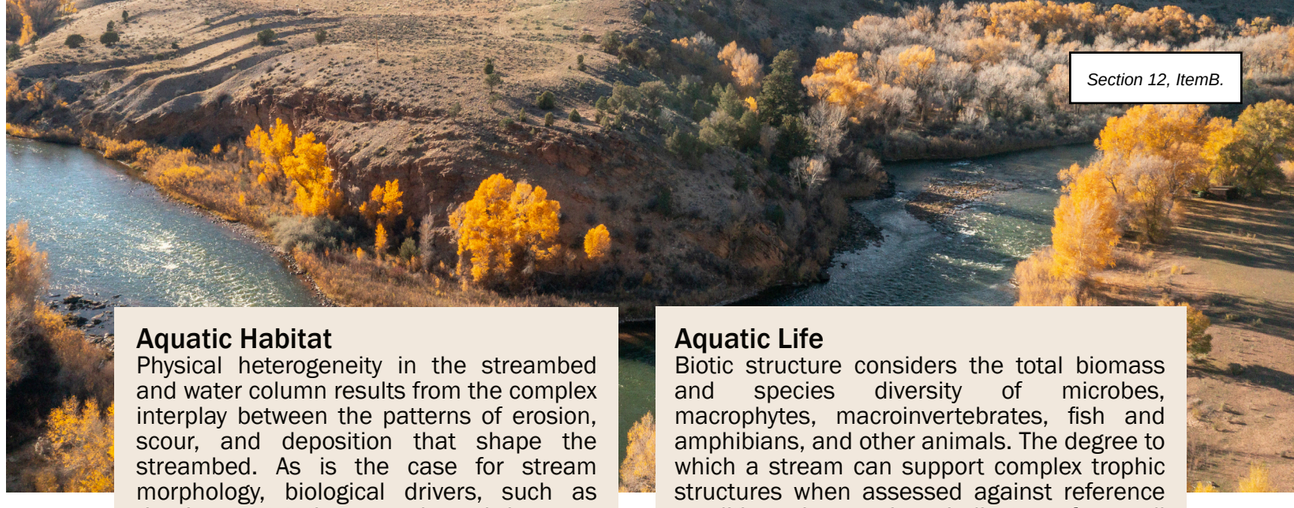
River Form
A stream's morphological patterns reflect the interplay between hydrology, channel hydraulics, sediment supply, beaver activity, and stream-side vegetation. Assessments of stream morphology consider the patterns of channel evolution, planform, cross-sectional dimensions, and channel profile. Impacts to stream morphology may arise from construction of roads and levees, extirpation of beavers, reduction of the active floodplain width, and disruption of sediment supplies due to dam construction. Stream's exhibiting morphological characteristics inappropriate for local valley forms and sediment regime may display elevated channel instability or a reduction in physical heterogeneity of the streambed.

The map below depicts assessed historical changes to 3-day peak streamflows at locations across the planning area resulting from surface water diversions, reservoir storage, and transmountain diversions. The largest reductions in peak flow occurred historically on the Eagle River above Minturn and on Gypsum Creek. Most mainstem Eagle River locations show reductions on the order of 10-20%. See ***Appendices F & G*** *for more details.*



The map below depicts assessed historical changes to 7-day minimum streamflows at locations across the planning area resulting from surface water diversions, reservoir storage, and transmountain diversions. The largest reductions in minimum flow occurred historically on Gore Creek during the winter months and on Gypsum Creek during the late summer and fall period. See ***Appendices F & G*** *for more details.*



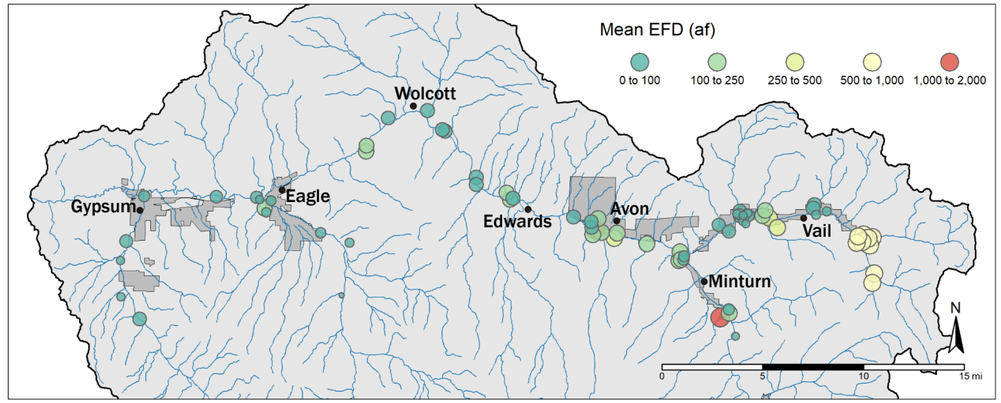


Aquatic Habitat

Physical heterogeneity in the streambed and water column results from the complex interplay between the patterns of erosion, scour, and deposition that shape the streambed. As is the case for stream morphology, biological drivers, such as riparian vegetation, wood, and beavers, may also exert significant control over physical structure. Assessments of physical structure consider the hydraulic structure (water depth and velocity distributions), bed and bank features, and substrate material. Heterogeneity is a critical determinant of habitat quality for many aquatic organisms including macroinvertebrates and fish. Activities that physically alter the structure of the streambed, disrupt the sediment regime, or reduce large woody debris supplies to a reach frequently impact the physical structure and degree of heterogeneity present in the stream channel.

Aquatic Life

Biotic structure considers the total biomass and species diversity of microbes, macrophytes, macroinvertebrates, fish and amphibians, and other animals. The degree to which a stream can support complex trophic structures when assessed against reference conditions is a prime indicator of overall ecosystem health. The living components of the stream system are the components most frequently recognized for their ties to EGS. The biotic makeup of a stream is impacted by all other ecosystem state variables. As a result, any activity that impairs other processes at the watershed, reach, or channel scale may similarly affect biotic structure. For example, disruptions in the hydrological regime impact the structural complexity of the streambed and water column. This complexity is an important control on habitat quality for fish and macroinvertebrates and, where it is reduced, a corresponding impairment of biotic structure may result.



The map above depicts Environmental Flow Deficits (EFDs) at locations across the planning area. EFDs reflect the amount of water in acre-feet (af) that would be needed to meet the Colorado Water Conservation Board Instream Flow (ISF) water right–a flow target meant to provide minimum protections for aquatic life–during a typical year. The largest deficits are evident in the upper Gore Creek watershed and on the Eagle River below Cross Creek. See ***Appendix H*** *for more details.*

Characterization of Future Risks

A key focus of the ERCWP was characterizing risks to river health and non-consumptive water uses due to changing hydrology or future water demands (**Appendix C**). Evaluation of potential future trajectories for Eagle River streamflows (**Appendix F**), and secondary impacts on aquatic habitat quality (**Appendix I**), riparian condition (**Appendix J**), water quality (**Appendix K**), water temperatures (**Appendix L**), , sediment mobilization (**Appendix M**), and recreational use opportunities (**Appendix N**) relied on inferences drawn from observed conditions, numerous completed trends analyses, and results produced by scientific modeling tools.

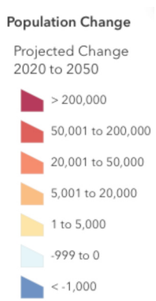
The use of hydrological simulation modeling results allowed for comparison of potential future streamflow trajectories with current and historical conditions and to consider how streamflow changes may affect various components of river health and the ability of local streams and rivers to support a variety of human uses. Multiple potential futures can be imagined for population growth and water use in Eagle County. Each of these futures may be accompanied by one of several climate change trajectories. Representing the synergistic impacts of growing populations and a changing climate is not a trivial task. Fortunately, the Eagle River Water and Sanitation District worked to provide a detailed water supply planning model (the "ER20" model) for the watershed that was tailored to describe changing streamflow conditions under a variety of potential future scenarios relevant to the planning process. This work roughly mirrored the approach used by Colorado Water Conservation Board to provide similar water planning models as a component of the Colorado Water Plan. The geographic scope of the ER20 model results included in the ERCWP was limited to the Eagle River mainstem below the confluence with Homestake Creek, Gore Creek below Black Gore Creek, Bush Creek, and Gypsum Creek. The impacts of population growth, development of new reservoirs in the upper watershed, and three different climate change trajectories were evaluated in ten different model scenarios.

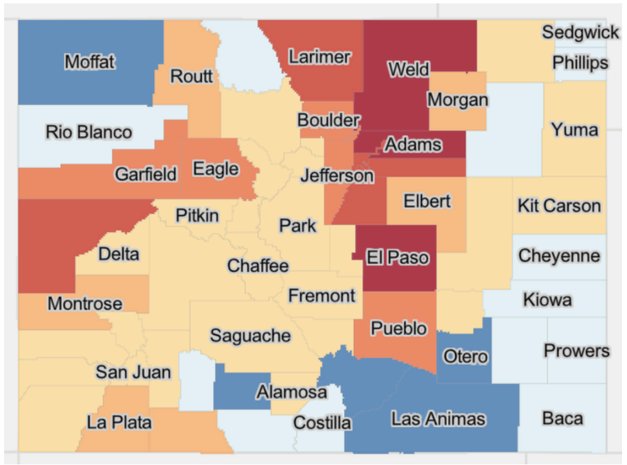
Municipal Water Demand

According to the Colorado State Demographer, Eagle County's population in 2020 was approximately 55,000 and is expected to exceed 70,000 by 2050. A growing population will increase demands for and use of municipal water supplies. Increasing demand for water will necessitate additional water diversions and/or new reservoir construction. Potential future risks to streams and rivers in the planning area associated with increasing municipal water demand include the following:

- Increased municipal diversions needed to satisfy a growing population places increasing pressure on instream flows, water quality (temperature, DO, and nutrients), and habitat connectivity for fish.

Population growth projections provided by the State of Colorado Demographers Office.





New Reservoirs & TMDs

The possibility exists for development of new water storage and transmountain diversion (TMD) projects in the upper watershed. The ERMOU outlines a plan for further development of the Homestake Reservoir and diversion system that includes 20,000 acre-feet of average annual yield passed under the divide for use by Colorado Springs and Aurora and 10,000 acre-feet of firm dry year yield, stored in the reservoir(s) for West Slope uses. New reservoir storage and TMD projects under the Eagle River MOU will alter patterns of streamflow along the mainstem of the Eagle River. Potential future risks and/or benefits to streams and rivers in the planning area associated with new water development projects include the following:

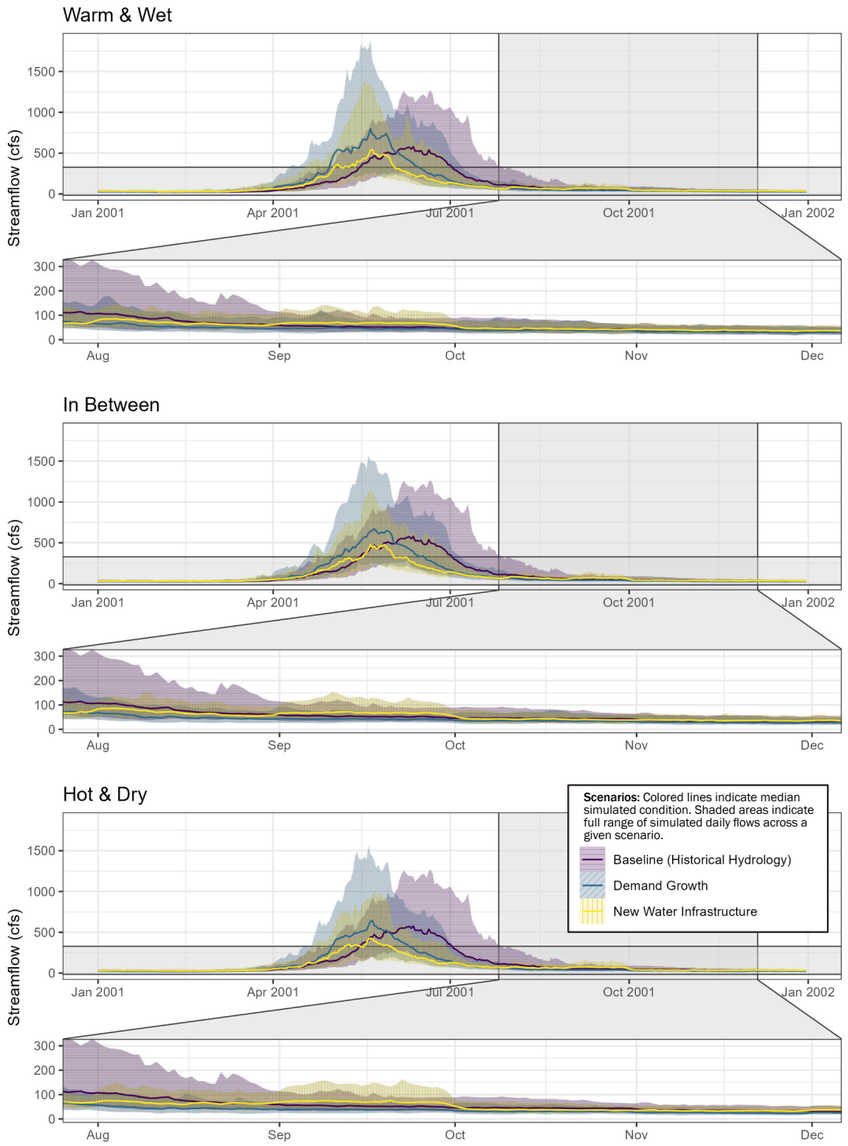
- New TMDs impact annual flow volumes and reduce peak flows on local streams and rivers, decreasing the frequency of streambed sediment mobilization needed to maintain high quality habitat for fish and aquatic macroinvertebrates. Late summer flow reductions increase the frequency and duration of ISF water right shortages, further limiting aquatic habitat quality.
- Water releases from new reservoirs help mitigate the impact of a warming climate and new TMDs on late summer baseflows in the upper watershed. Water storage comes at the expense of decreased peak flows necessary for flushing fine sediments from the streambed. Reduced high flow magnitudes and durations impact whitewater boating activities on downstream reaches, an important component of Eagle County's vibrant recreational economy.
- Releases of cool water from reservoirs helps mitigate elevated water temperature events in the late summer on some segments of the Eagle River, improving conditions for aquatic insects and fish.

Climate Change

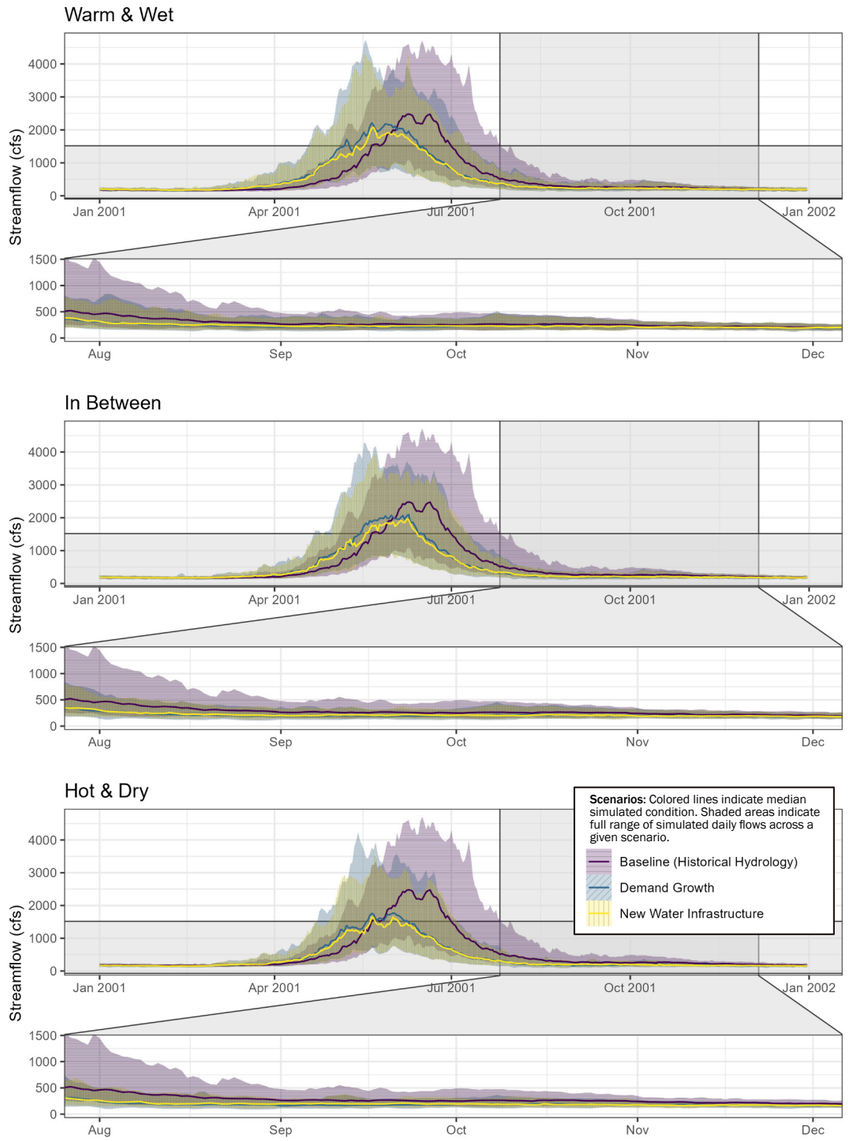
The Colorado State Climatologist indicates that statewide annual average air temperatures increased by +2.3°F between 1980-2022. By 2050 (the 2035-2064 period average), Colorado statewide annual temperatures are projected to warm by +2.5°F to +5.5°F compared to a 1971-2000 baseline, and +1.0°F to +4.0°F compared to today, under a medium-low emissions scenario (RCP4.5). Rising air temperatures are expected to increase vegetative demands for water, dry out soils, and change patterns of snowmelt in Eagle County. Potential future risks to streams and rivers in the planning area associated with climate change include the following:

- Wetter and warmer winters slightly increase peak flow magnitudes and variability due to earlier melt and increased probability of rain-on-snow events. Increased peak flow magnitudes may be accompanied by shorter duration of high flows.
- Total streamflow declines due to warming temperatures (increased vegetation ET demand, lower soil moisture, and longer growing/irrigation season) outpace potential gains from precipitation increases, causing overall streamflow declines.
- Severity and duration of acute low-flow events increase in summer/fall, negatively impacting abundance of aquatic insects.
- Decreased total flow volumes and reduced base flow magnitudes alter total annual sediment transport capacity, degrading habitat quality.
- Onset and peak snowmelt shifts earlier in the runoff season, increasing the duration of late season low flow conditions and elevated water temperature conditions.
- Declining late summer/early fall flows place make it more difficult to meet and maintain instream flows using reservoir releases. Water quality (temperature, DO, and nutrients), and habitat connectivity for fish degrade.
- Baseflow declines reduce stream network connectivity during late summer and fall, restricting refuge seeking movements, seasonal migration, and spawning activities of native and sport fish.

The graphic below indicates simulated changes in streamflow behavior on the **Eagle River near Minturn**. Colored overlays indicate key differences in streamflows between the current (Baseline) condition and scenarios representing 1) changed reservoir operations in response to increased local water demand (Demand Growth) and 2) the construction of new TMDs and reservoirs in the upper watershed (New Water Infrastructure). Notably, no significant water diversions for West Slope use exist above this location so the Demand Growth scenario largely reflects impacts of climate change. The top graphic indicates changes under a "Warm & Wet" climate future, the middle graphic indicates changes under an "In Between" climate future. The bottom graphic indicates changes associated with a "Hot and Dry" climate future. In all climate scenarios, spring runoff shifts to earlier in the year and the bulk of snowmelt occurs more quickly than under current conditions. Increasing in-basin water demand reduces late season flows. New TMDs and water storage in new or enlarged reservoirs reduce peak flows. Releases of stored West Slope water can offset some of the low flow impacts associated with climate change.



The graphic below indicates simulated changes in streamflow behavior on the **Eagle River nea** Colored overlays and tiled representations of climate change scenarios are identical to the opposing figure. Patterns at this lower watershed location are somewhat different, however. In all climate scenarios, spring runoff shifts to earlier in the year and peak flow magnitudes are reduced. The length of the runoff season is largely unaltered. The Demand Growth scenario at this location reflects increased upstream water diversions to meet growing municipal uses (due to population growth) and agricultural uses (due to increased evaporative demand from crops). The coupled effects of climate change and increasing in-basin water demand reduces late season flows. New TMDs and water storage in new or enlarged reservoirs in the upper watershed lead to a modest reduction in peak flows–a reflection of the mitigating influence of large tributary inflows from Gore Creek, Lake Creek, Brush Creek, and Gypsum Creek. Unlike more upstream locations, no benefit to low flows associated with reservoir releases is observed during the late summer period in the New Water Infrastructure scenario. See **Appendix F** for a more detailed discussion of historical and potential future hydrology in the planning area.



Impacts to river health and opportunities for local communities to use and enjoy local water sources are not only sourced from drivers of hydrological change. Shifts in land use and land cover can drastically alter inputs to the stream environment and degrade the physical and biological condition of floodplains and riparian areas. Wildfire is an ever-present risk to the health of streams and rivers and the ability of human communities to use water for a variety of activities. No modeling work was available to support a quantitative evaluation of wildfire impacts under the ERCWP. However, significant evidence is available from other watersheds that helped inform our characterization of risks associated with wildfire. The impacts of urbanization on floodplains and riparian zones in Eagle County are well-documented. While it was not possible under the ERCWP to predict the exact patterns of future urban development that may impact floodplains and riparian zones, observed historical patterns will likely persist. The impact of historical development on floodplain structure and riparian condition along the river corridor was assessed under the ERCWP.

Urbanization

Every town in Eagle County is positioned along the mainstem Eagle River or Gore Creek. Historical and ongoing development of residential and commercial areas and transportation corridors in floodplains and other near-stream areas degrades riparian forests, decreases water quality, and, in some cases, directly impacts the structure of stream channels. The addition of 15,000 people in the county by 2050 will necessitate additional development. The 2025 update to the Eagle County Strategic Plan outlines strategies for accommodating a growing population in a manner that is consistent with community values. A growing population will likely increase recreational uses of local streams and rivers. Increased recreational uses of stream and river corridors may degrade the quality of riparian areas. Potential future risks to streams and rivers in the planning area associated with urbanization include the following:

- Continued increases to impervious area, increased stormwater volumes, and riparian degradation impact aquatic community structure and limit the presence of sensitive aquatic species.
- Stormwater runoff and physical channel modification alter sediment supply and transport regimes, potentially degrading aquatic habitat.
- Continued development further alters, degrades, removes, or fragments riparian forest buffers.

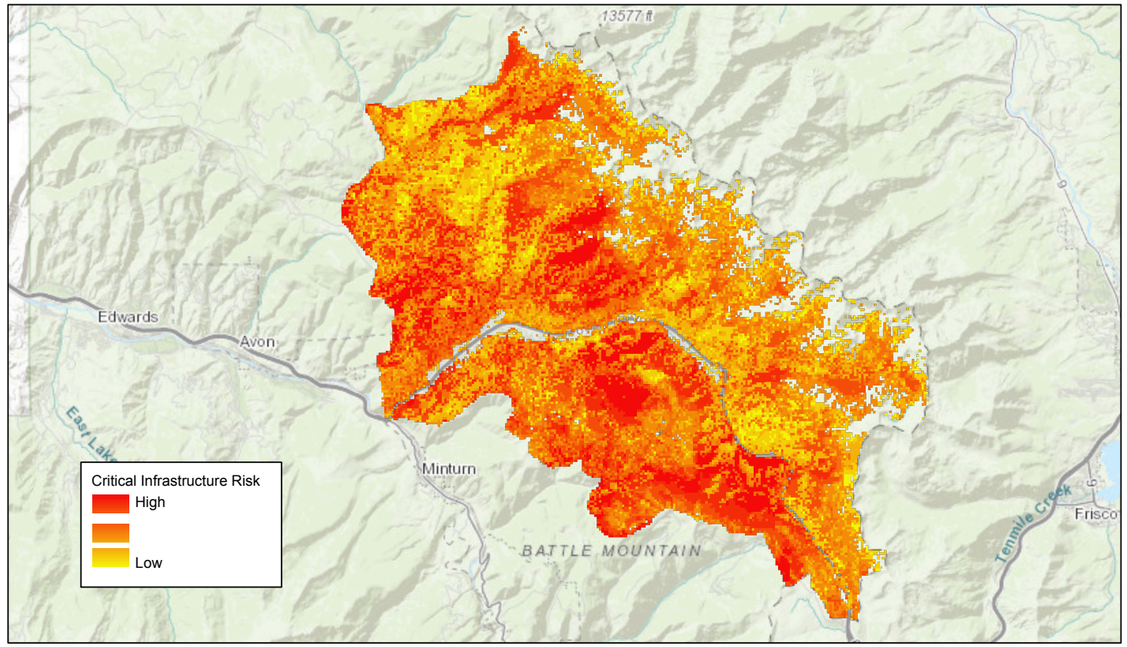
Below: Conceptual development rendering along the Eagle River near Edwards.

Wildfire

The Colorado Division of Fire Prevention and Control notes that the 20 largest wildfires in state history occurred since 2001. A warming climate and ongoing impacts from beetle infestations suggest that fire activity will only increase in the future. Burned watersheds often experience significant degradation of water quality and aquatic habitat as streams are inundated by fine sediments. Mudslides and debris flows present a danger to life and property. Flashier streamflow responses to rainfall events can produce floods that damage agricultural water diversions and municipal water treatment infrastructure. A comprehensive discussion of wildfire risks in the planning area is provided in the Eagle County Community Wildfire Protection Plan. Potential future risks to streams and rivers in the planning area associated with wildfire include the following:

- Runoff from burn scars degrades physical habitat and degrades water quality for aquatic insects and fish.
- Increased sediment fluxes impact channel shaping processes, increasing aggradation rates and altering seasonal sediment transport patterns.
- Inputs of fine sediment degrade spawning habitat quality for trout and impacts critical riffle habitat for aquatic macroinvertebrates.
- Runoff from burned areas increases dissolved metals loading to streams, potentially further degrading the quality of waters already impacted by discharges from the Eagle Mine.

The map below indicates wildfire risk to infrastructure in the Gore Creek watershed as assessed by the Town of Vail Community Wildfire Protection Plan



Vail GIS, Eagle County GIS | TOV Wildfire | County of Eagle, Bureau of Land Management, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS |

Reach-Scale Assessment Results

Domain experts completed focused evaluations of the ten state variables and associated sub-variables. State variable assessments evaluated current conditions and characterized the degree of departure from an expected reference state using a weight-of-evidence approach. A variety of assessment methodologies—some rapid and coarse, some focused and intensive—produced evidence that reflects ecosystem processes across a range of spatial scales with varying degrees of objectivity. The coarsest approaches (Level 1) produced qualitative, reconnaissance-level variable assessments that guided more targeted investigations. Rapid assessments (Level 2) focused on specific areas of concern and involved more field-intensive surveys that reinforced expert opinions regarding the presence and magnitude of functional impairment. In some cases, intensive quantitative (Level 3) evaluations sought to explicitly account for the complex interactions between state variables and management activities. All assessment results are summarized in reach-scale "Report Cards" of river health (**see pages 30-53**) that summarize the functional condition of ecosystem variables and sub-variables using an academic grading scale at right. See **Appendix O** for details on the assessment criteria used to generate the Report Cards. This approach intends to quickly communicate technical assessment results to a wide variety of audiences. Each report card is accompanied by a location map and a discussion of the primary causes of impairment on the reach. In addition to grades for the existing condition of variables and sub-variables, each report card includes an indication of the potential for drivers of future condition (**see discussion on pages 22-27**) to influence local conditions.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

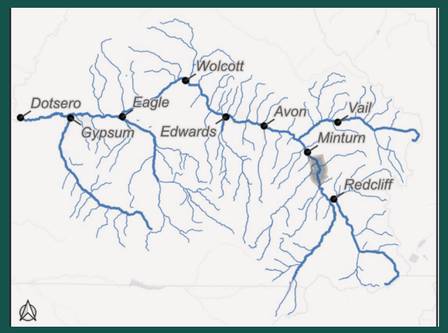
The report card at right summarizes functional assessment scores for stream reaches across the planning area using an academic grading scale (above) to indicate the degree of impairment to a suite of ecological variables and sub-variables. The most severe and widespread impairments are related to alteration of streamflow patterns and degradation of water quality. Similar reach-scale report cards are presented in subsequent pages.

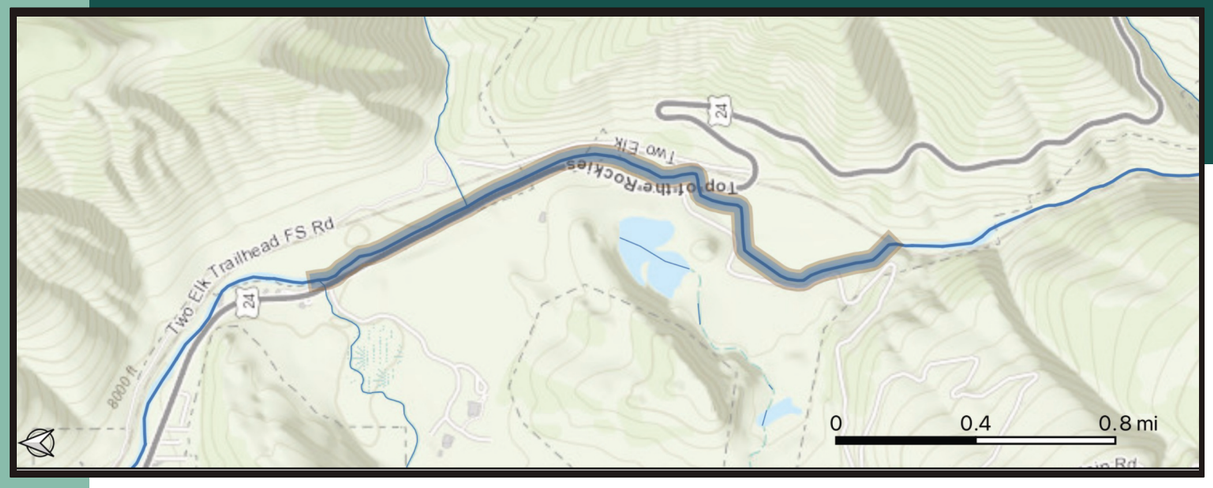
	Eagle River								Gore Creek		Brush Creek	Gypsum Creek
Variable / Sub-Variable	Tigiwon	Minturn	Avon	Edwards	Wolcott	Eagle	Gypsum	Dotsero	East Vail	West Vail	Eagle Ranch	Town Center
Streamflows												
Dry Year Base Flow	B	A	A	A	A	B	A	B	B	A	D	F
Typical Year Base Flow	B	B	A	A	A	A	A	A	A	A	C	F
Moderate Flood Frequency	F	F	D	D	D	D	D	D	A	A	F	F
Dry Year Peak Flow	D	C	C	B	B	C	C	C	C	C	C	F
Typical Year Peak Flow	C	C	B	B	B	B	B	B	A	A	B	D
Dry Year Total Volume	D	C	C	C	C	C	C	C	B	B	C	D
Typical Year Total Volume	C	B	B	B	A	B	A	A	A	A	A	C
Streambed Sediment												
Continuity and Transport	A	A	A	B	A	A	A	A	B	A	A	B
Flushing Flows	C	A	B	D	?	F	A	A	A	A	?	?
Water Quality												
Metals	F	D	A	A	A	A	A	A	A	A	A	A
Nutrients	A	A	B	C	C	C	C	B	A	C	A	?
Water Temperature	A	A	A	B	B	C	C	C	A	B	?	?
Riparian Areas												
Floodplain Physical Condition	B	B	B	A	C	B	C	B	C	B	C	C
Riparian Vegetation	B	C	B	B	B	B	C	B	C	B	B	C
River Form												
Channel Structure & Dynamics	B	B	B	B	A	B	B	A	C	B	B	C
Aquatic Habitat												
Habitat Structure	B	B	A	A	A	A	A	A	B	A	B	C
Longitudinal Connectivity	A	A	A	A	A	B	A	A	A	A	B	C
Aquatic Life												
Aquatic Insects	B	B	C	C	?	?	?	A	D	D	A	?
Fish	C	C	B	B	A	A	A	A	A	A	B	?

REPORT CARDS

Upper Eagle River

Rex Flats to the Confluence with Cross Creek





Current and Historical Drivers of Degradation

Aquatic insect communities near Minturn show increasing levels of stress/impact compared to upstream communities, potentially a result of Eagle Mine discharges and urban runoff from Minturn. Sensitive fish taxa like rainbow trout and sculpin are largely absent from the reach. Metals exceed relevant water quality standards, resulting in a 303(d) listing. This reach is also impacted by historical channel modification and habitat simplification.

Flows are altered on this reach by upstream reservoirs and TMDs. The frequency of years where flows are sufficient to mobilized bed sediments declined by approximate 30%. The frequency of peak flows equivalent to the natural 1-in-4 year flood declined more than 80% due to water use and management. Peak flows during typical and dry years declined 31-38% respectively. Total annual flow volumes in dry years declined 38% when compared to natural historic conditions.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

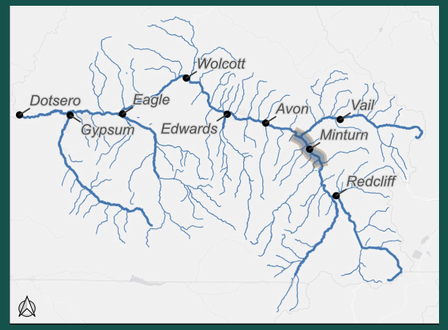
Icon	Expected Effect Size
⬆	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
⬇	Strongly Negative
⊗	Not Assessed

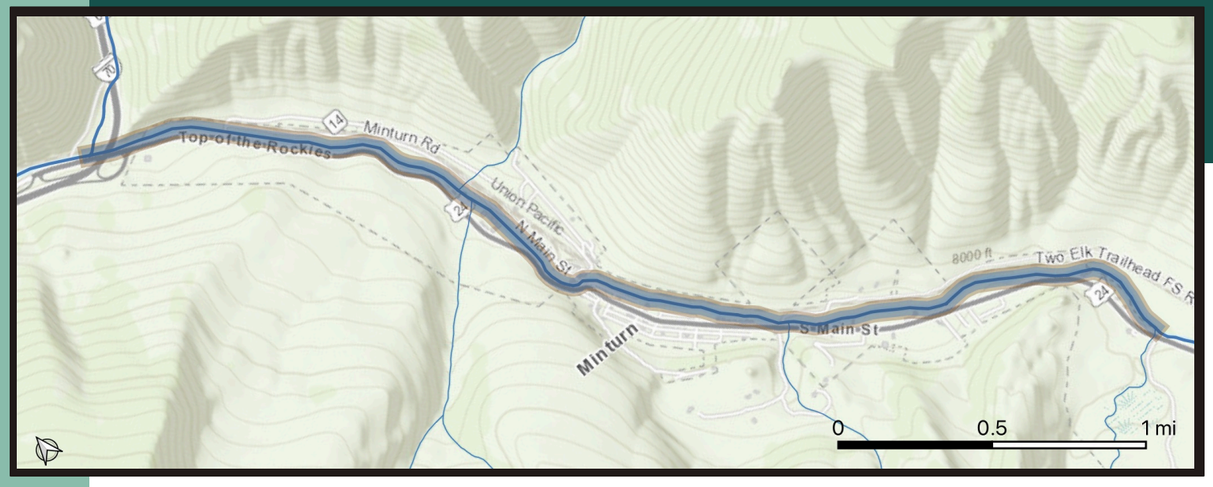
Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	B	○	○	⬇	⬇	⬇	○	⬆	○
Base Flow: Median Year	B	○	○	⬇	⬇	⬇	↓	⬆	○
High Peakflow Frequency	F	↓	○	⬆	⬆	⬆	⬇	⬇	○
Peak Flow: Dry Year	D	○	○	↑	↓	⬇	↓	⬇	○
Peak Flow: Median Year	C	○	○	⬆	↑	○	⬇	⬇	↑
Total Volume: Dry Year	D	○	○	○	↓	⬇	↓	↑	○
Total Volume: Median Year	C	○	○	↑	↓	⬇	⬇	⬇	○
Streambed Sediment									
Continuity and Transport	A	○	○	○	○	↓	↓	↓	⬇
Flushing Flows	C	○	○	○	○	○	⬇	⬇	○
Water Quality									
Metals	F	○	○	○	○	○	↓	↓	↓
Nutrients	A	○	○	○	○	○	○	○	↓
Temperature	A	○	○	○	↓	↓	○	↑	○
Riparian Areas									
Floodplain physical condition	B	○	○	○	○	○	○	○	○
Riparian vegetation	B	○	○	○	○	○	○	○	○
River Form									
Channel Structure and Dynamics	B	○	○	○	○	○	○	○	↓
Aquatic Habitat									
Habitat Structure	B	○	○	○	○	○	○	○	↓
In-channel Hydrologic Connectivity	A	○	○	↓	↓	⬇	↓	⬆	○
Aquatic Life									
Aquatic Insects	B	○	○	↓	↓	↓	○	↑	⬇
Fish	C	○	○	↓	↓	⬇	○	↑	⬇

REPORT CARDS

Upper Eagle River

Cross Creek to Gore Creek





Current and Historical Drivers of Degradation

Sensitive fish taxa are largely absent due to water quality impacts from the Eagle Mine. Ambient metals concentrations exceed relevant water quality standards, resulting in multiple 303(d) listings and only partial/seasonal attainment of standards.The growth and development of juvenile salmonids is impacted by metals.

Flows are altered by upstream TMDs and reservoirs. The frequency of peak flows equivalent to the natural 1-in-4 year flood declined significantly due to water use and management. Peak flows during typical and dry years declined 24-30% respectively. Total annual flow volumes in dry years declined 32% when compared to natural historic conditions.

Development in the Town of Minturn results in significant alteration to sediment transport continuity, lateral floodplain extent, and physical habitat structure in the stream channel.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

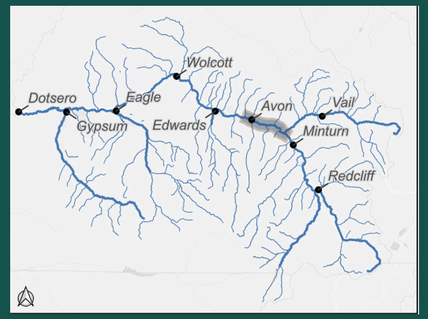
Icon	Expected Effect Size
⬆	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
⬇	Strongly Negative
⊗	Not Assessed

Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	A	○	○	↓	↓	↓	○	↑	○
Base Flow: Median Year	B	○	○	↓	↓	↓	↓	↑	○
High Peakflow Frequency	F	↓	○	↑	↑	↑	↓	↓	○
Peak Flow: Dry Year	C	○	○	↑	○	↓	↓	↓	○
Peak Flow: Median Year	C	○	○	↑	○	↓	↓	↓	↑
Total Volume: Dry Year	C	○	○	↓	↓	↓	↓	↑	○
Total Volume: Median Year	B	○	○	↑	↓	↓	↓	↓	○
Streambed Sediment									
Continuity and Transport	A	↓	○	○	○	↓	↓	↓	⬇
Flushing Flows	A	○	○	○	○	↓	↓	↓	○
Water Quality									
Metals	D	○	○	○	○	○	↓	↓	↓
Nutrients	A	○	○	○	○	○	○	○	↓
Temperature	A	○	○	○	↓	↓	○	↑	○
Riparian Areas									
Floodplain physical condition	B	○	○	○	○	○	○	○	○
Riparian vegetation	C	○	○	○	○	○	○	○	○
River Form									
Channel Structure and Dynamics	B	○	○	○	○	○	○	○	↓
Aquatic Habitat									
Habitat Structure	B	○	○	○	○	○	○	○	↓
In-channel Hydrologic Connectivity	A	○	○	↓	↓	↓	↓	↑	○
Aquatic Life									
Aquatic Insects	B	○	○	↓	↓	↓	○	↑	⬇
Fish	C	↓	○	↓	↓	↓	○	↑	↓

REPORT CARDS

Middle Eagle River

Gore Creek to Avon WWTP



Current and Historical Drivers of Degradation

Although this segment is not listed as an impaired waterway by Colorado's Water Quality Control Division, macroinvertebrate health indices in Avon hover slightly above the state of Colorado's impairment threshold and are consistently lower than sites upstream and downstream. Indices of sensitive taxa presence are the lowest of anywhere on the mainstem Eagle River, indicating degraded water quality conditions. Impaired water quality is likely sourced from urban runoff in the vicinity of Avon.

The frequency of peak flows equivalent to the natural 1-in-4 year flood declined nearly 60% due to upstream water use and management. Peak flows during dry years declined 21% and total annual volumes declined 22% when compared to natural historic conditions.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

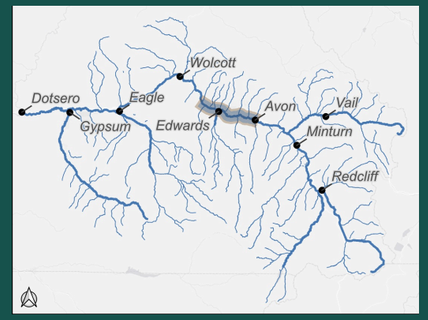
Icon	Expected Effect Size
↑	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
↓	Strongly Negative
⊗	Not Assessed

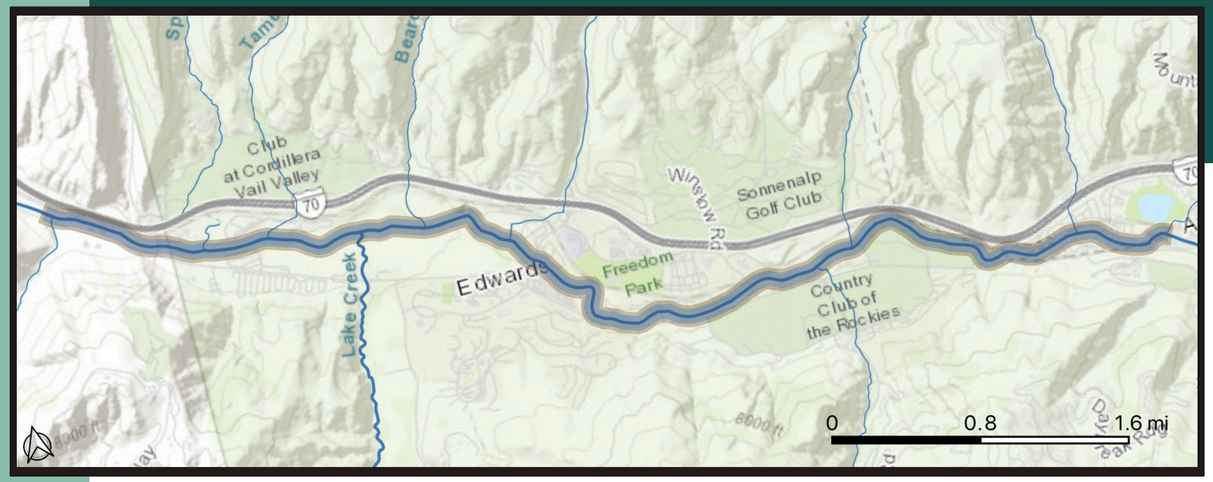
Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	A	○	○	↓	↓	↓	○	↑	○
Base Flow: Median Year	A	○	○	↓	↓	↓	↓	↑	○
High Peakflow Frequency	D	○	○	↑	↑	↑	↓	↓	○
Peak Flow: Dry Year	C	○	○	↑	○	↓	↓	↓	○
Peak Flow: Median Year	B	○	○	↑	○	↓	↓	↓	○
Total Volume: Dry Year	C	○	○	↓	↓	↓	↓	↑	○
Total Volume: Median Year	B	○	○	↑	○	↓	↓	↓	○
Streambed Sediment									
Continuity and Transport	A	○	↓	↑	○	↓	↓	↓	↓
Flushing Flows	B	○	○	○	○	↓	↓	↓	○
Water Quality									
Metals	A	○	○	○	○	○	↓	○	○
Nutrients	B	○	○	○	○	○	○	○	○
Temperature	A	○	○	○	↓	↓	○	↑	○
Riparian Areas									
Floodplain physical condition	B	○	○	○	○	○	○	○	○
Riparian vegetation	B	○	↓	○	○	○	○	○	○
River Form									
Channel Structure and Dynamics	B	○	○	○	○	○	○	○	○
Aquatic Habitat									
Habitat Structure	A	○	○	○	○	○	○	○	○
In-channel Hydrologic Connectivity	A	○	○	↓	↓	↓	↓	↑	○
Aquatic Life									
Aquatic Insects	C	○	↓	↓	↓	↓	○	↑	↓
Fish	B	↓	○	↓	↓	↓	○	↑	↓

REPORT CARDS

Middle Eagle River

Avon WWTP to Squaw Creek





Current and Historical Drivers of Degradation

Although this segment is not listed as an impaired waterway by Colorado's Water Quality Control Division, macroinvertebrate health indices in Avon hover slightly above the state of Colorado's impairment threshold and are consistently lower than sites upstream and downstream. Indices of sensitive taxa presence are the lowest of anywhere on the mainstem Eagle River, indicating degraded water quality conditions. Ambient nutrient concentrations do not exceed standards but are regularly within 50% of the standard value. Impaired water quality is likely sourced from urban runoff in the vicinity of Avon.

Flows are altered on this reach by upstream water use and management. The frequency of peak flows equivalent to the natural 1-in-4 year flood declined more than 40%. Peak flows during dry years declined 20%. Total annual flow volumes in dry years declined 26% when compared to natural historic conditions.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

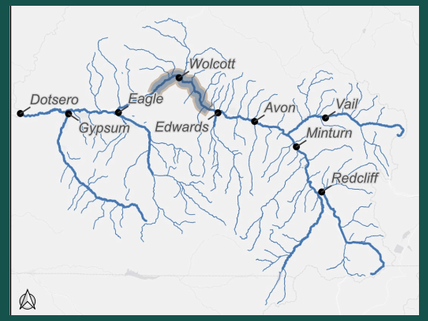
Icon	Expected Effect Size
↑	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
↓	Strongly Negative
⊗	Not Assessed

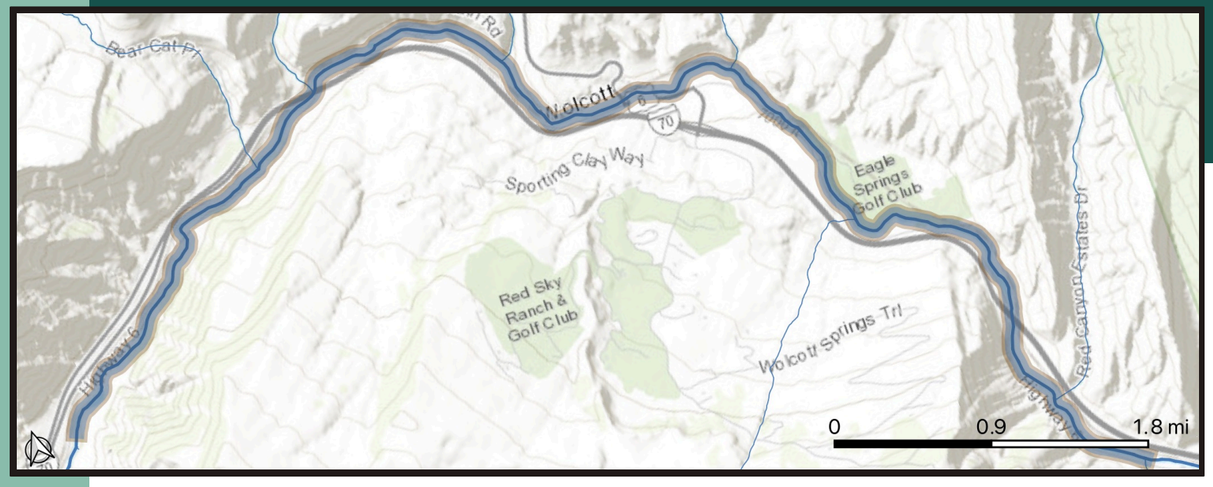
Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	A	○	○	↓	↓	↓	○	↑	○
Base Flow: Median Year	A	○	○	↓	↓	↓	↓	↑	○
High Peakflow Frequency	D	○	○	↑	↑	↑	↓	↓	○
Peak Flow: Dry Year	B	○	○	↑	↑	↓	↓	↓	○
Peak Flow: Median Year	B	○	○	↑	○	○	↓	↓	○
Total Volume: Dry Year	C	○	○	○	↓	↓	↓	○	○
Total Volume: Median Year	B	○	○	↑	○	↓	↓	↓	○
Streambed Sediment									
Continuity and Transport	B	○	↓	↑	○	↓	↓	↓	↓
Flushing Flows	D	○	○	↑	↑	↓	↓	↓	○
Water Quality									
Metals	A	○	○	○	○	○	↓	○	○
Nutrients	C	○	↓	○	○	↓	○	○	○
Temperature	B	○	○	↓	↓	↓	○	↑	○
Riparian Areas									
Floodplain physical condition	A	○	↓	○	○	○	○	○	○
Riparian vegetation	B	○	↓	○	○	↓	○	↓	○
River Form									
Channel Structure and Dynamics	B	○	↓	○	○	○	○	○	○
Aquatic Habitat									
Habitat Structure	A	○	○	○	○	○	○	○	○
In-channel Hydrologic Connectivity	A	○	○	↓	↓	↓	↓	↑	○
Aquatic Life									
Aquatic Insects	C	○	○	↓	↓	↓	○	↑	↓
Fish	B	↓	○	↓	↓	↓	○	↑	↓

REPORT CARDS

Lower Eagle River

Squaw Creek to Hollingsworth Ditch





Current and Historical Drivers of Degradation

This section of the Eagle River is impacted by transportation corridors including Hwy 6 and railroad tracks. This infrastructure bisects and fragments pocket floodplains. Legacy floodplain modification (e.g., filling and grading) is apparent in unconfined areas around Wolcott.

Flows are altered on this reach by upstream water use and management. The frequency of years achieving bed sediment mobilization near Red Mountain Ranch declined more than 70%. Total annual flow volumes in dry years declined 23% from natural historic conditions. The frequency of peak flows equivalent to the natural 1-in-4 year flood declined more than 35%. Annual 3-day peak flow magnitudes declined 19%.

Nutrients are an emerging water quality concern. Ambient nutrient concentrations do not exceed regulatory standards for water quality but regularly exceed 50% of the standard value.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

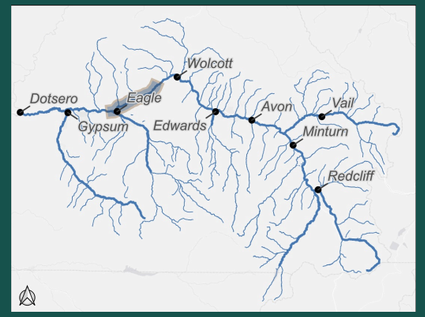
Icon	Expected Effect Size
↑	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
↓	Strongly Negative
⊗	Not Assessed

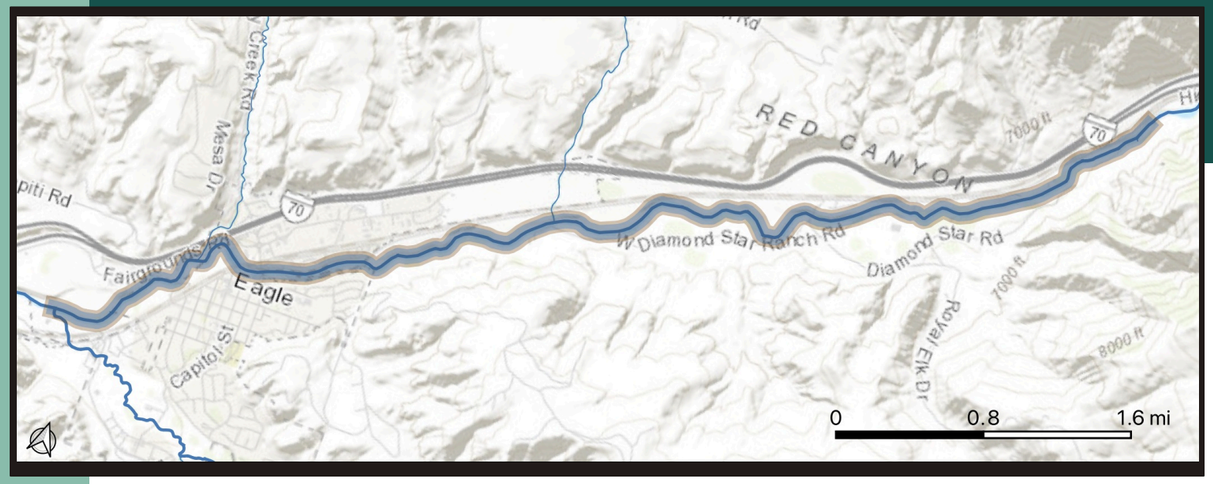
Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	A	○	○	↓	↓	↓	○	↑	○
Base Flow: Median Year	A	○	○	↓	↓	↓	↓	↑	○
High Peakflow Frequency	D	○	○	↑	↑	↑	↓	↓	○
Peak Flow: Dry Year	B	○	○	↑	↑	↓	↓	↓	○
Peak Flow: Median Year	B	○	○	↑	○	↓	↓	↓	○
Total Volume: Dry Year	C	○	○	↓	↓	↓	↓	○	○
Total Volume: Median Year	A	○	○	↑	○	↓	↓	↓	○
Streambed Sediment									
Continuity and Transport	A	○	↓	↑	○	↓	↓	↓	↓
Flushing Flows	?	⊗	⊗	⊗	⊗	⊗	⊗	⊗	○
Water Quality									
Metals	A	○	○	○	○	○	○	○	○
Nutrients	C	○	○	○	○	○	○	○	○
Temperature	B	○	○	↓	↓	↓	○	↑	○
Riparian Areas									
Floodplain physical condition	C	○	○	○	○	○	○	○	○
Riparian vegetation	B	○	○	○	○	○	○	○	↓
River Form									
Channel Structure and Dynamics	A	○	○	○	○	○	○	○	○
Aquatic Habitat									
Habitat Structure	A	○	○	○	○	○	○	○	○
In-channel Hydrologic Connectivity	A	○	○	↓	↓	↓	↓	↑	○
Aquatic Life									
Aquatic Insects	?	○	↓	↓	↓	↓	○	↑	↓
Fish	A	↓	○	↓	↓	↓	○	○	↓

REPORT CARDS

Lower Eagle River

Hollingsworth Ditch to Brush Creek





Current and Historical Drivers of Degradation

This section of the Eagle River flows through Red Canyon. Flows are altered on this reach by upstream water use and management. The frequency of years achieving bed sediment mobilization saw modest declines of up to 10%. The frequency of peak flows equivalent to the natural 1-in-4 year flood declined 44%. Total annual flow volumes in dry years have declined 26% from natural historic conditions.

Nutrients are an emerging water quality concern. Ambient nutrient concentrations do not exceed regulatory standards for water quality but regularly exceed 50% of the standard value.

Late summer water temperatures in this section of the Eagle River often approach or exceed WQCD and Colorado Parks and Wildlife (CPW) thresholds for impairment of aquatic life. Elevated water temperature conditions impact the sport fishery and opportunities for recreational angling. CPW regularly implements summer fishing closures on this reach.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

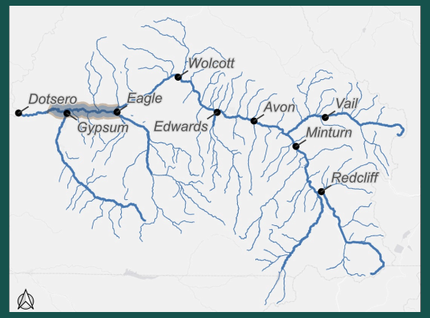
Icon	Expected Effect Size
⬆	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
⬇	Strongly Negative
⊗	Not Assessed

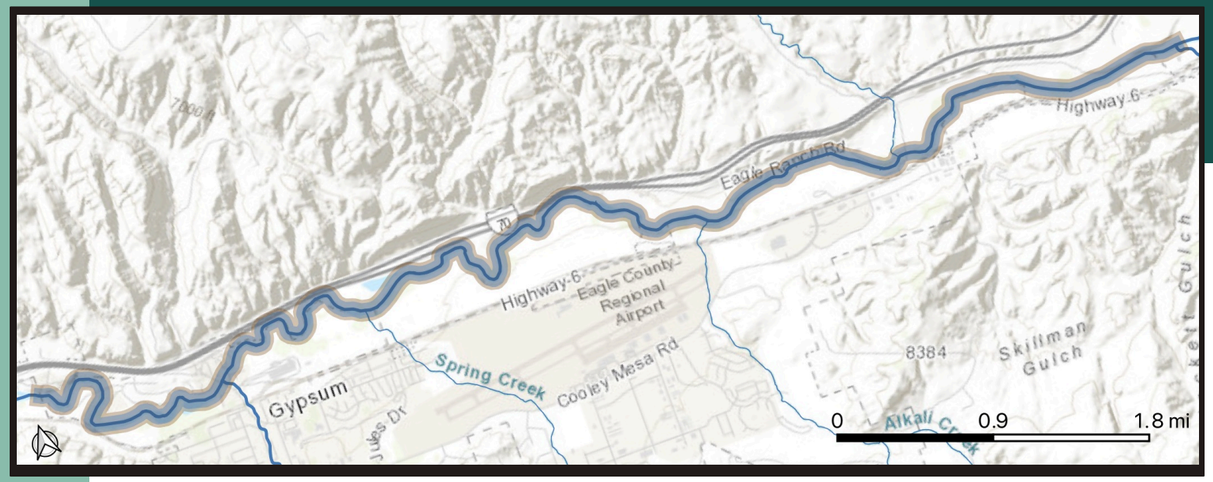
Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	B	○	○	⬇	⬇	⬇	○	⬆	○
Base Flow: Median Year	A	○	○	⬇	⬇	⬇	↓	⬆	○
High Peakflow Frequency	D	○	○	⬆	↑	↑	⬇	⬇	○
Peak Flow: Dry Year	C	○	○	⬆	⬆	⬇	↓	↓	○
Peak Flow: Median Year	B	○	○	↑	○	↓	⬇	⬇	○
Total Volume: Dry Year	C	○	○	↓	⬇	⬇	↓	○	○
Total Volume: Median Year	B	○	○	↑	○	⬇	⬇	↓	○
Streambed Sediment									
Continuity and Transport	A	○	↓	↑	○	↓	↓	↓	↓
Flushing Flows	F	○	○	○	↑	⬇	⬇	↓	○
Water Quality									
Metals	A	○	○	○	○	○	○	○	○
Nutrients	C	○	○	○	○	○	○	○	○
Temperature	C	○	○	↓	⬇	⬇	○	↑	○
Riparian Areas									
Floodplain physical condition	B	○	○	○	○	○	○	○	○
Riparian vegetation	B	○	↓	○	○	○	○	○	↓
River Form									
Channel Structure and Dynamics	B	○	○	○	○	○	○	○	○
Aquatic Habitat									
Habitat Structure	A	○	○	○	○	○	○	○	○
In-channel Hydrologic Connectivity	B	○	○	↓	⬇	⬇	↓	⬆	○
Aquatic Life									
Aquatic Insects	?	○	↓	↓	↓	↓	○	↑	↓
Fish	A	↓	↓	↓	⬇	⬇	○	○	↓

REPORT CARDS

Lower Eagle River

Brush Creek to Gypsum Creek





Current and Historical Drivers of Degradation

Significant alteration to riparian areas and floodplain structure exist throughout this reach, largely due to I-70 and agricultural land uses that resulted in filling, grading, or riparian deforestation. Flows are altered on this reach by upstream water use and management. The frequency of peak flows equivalent to the natural 1-in-4 year flood declined by 33%. Peak flows during dry years declined 22% from natural historic conditions. Total flow volumes during dry years decreased 22%.

Nutrients are an emerging water quality concern. Ambient nutrient concentrations do not exceed regulatory standards for water quality but regularly exceed 50% of the standard value.

Water temperatures in this section of the Eagle River often approach or exceed WQCD and Colorado Parks and Wildlife (CPW) thresholds for impairment of aquatic life. Elevated water temperature conditions impact the sport fishery and opportunities for recreational angling. CPW regularly implements summer fishing closures on this reach.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

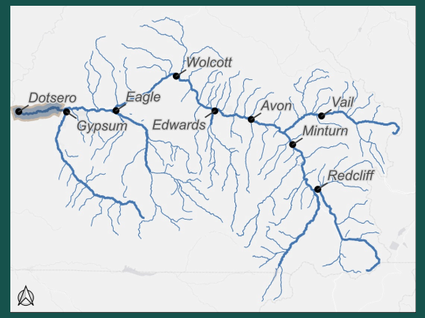
Icon	Expected Effect Size
↑	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
↓	Strongly Negative
⊗	Not Assessed

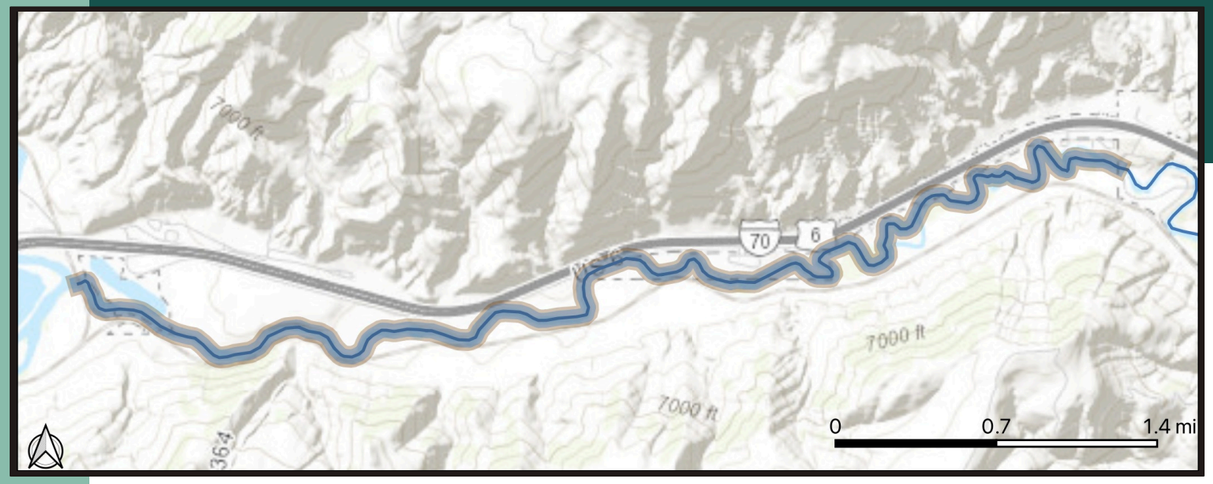
Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	A	○	○	↓	↓	↓	○	↑	○
Base Flow: Median Year	A	○	○	↓	↓	↓	↓	↑	○
High Peakflow Frequency	D	○	○	↑	↓	↓	↓	↓	○
Peak Flow: Dry Year	C	○	○	↑	↑	↓	↓	↓	○
Peak Flow: Median Year	B	○	○	○	↓	↓	↓	↓	○
Total Volume: Dry Year	C	○	○	○	↓	↓	↓	○	○
Total Volume: Median Year	A	○	○	○	↓	↓	↓	↓	○
Streambed Sediment									
Continuity and Transport	A	○	↓	↑	○	↓	↓	↓	↓
Flushing Flows	A	○	○	○	○	↓	↓	↓	○
Water Quality									
Metals	A	○	○	○	○	○	○	○	○
Nutrients	C	○	↓	○	○	↓	○	○	○
Temperature	D	○	○	↓	↓	↓	○	↑	○
Riparian Areas									
Floodplain physical condition	C	○	↓	○	○	○	○	○	↓
Riparian vegetation	C	○	↓	○	↓	↓	○	↓	↓
River Form									
Channel Structure and Dynamics	B	○	○	○	○	○	○	○	○
Aquatic Habitat									
Habitat Structure	A	○	○	○	○	○	○	○	○
In-channel Hydrologic Connectivity	A	○	○	↓	↓	↓	↓	↑	○
Aquatic Life									
Aquatic Insects	?	○	○	↓	↓	↓	○	↑	↓
Fish	A	↓	↓	↓	↓	↓	○	○	○

REPORT CARDS

Lower Eagle River

Gypsum Creek to Colorado River





Current and Historical Drivers of Degradation

Historical modification of floodplains for residential and commercial uses resulted in historical filling, grading, and riparian deforestation in the Town of Gypsum limits. Floodplains and river channels downstream of Gypsum exhibit unique morphologies but appear relatively unimpaired by human land use activities. A recent wildfire burned a large cottonwood gallery below Gypsum in recent years. Recovery trajectories for riparian vegetation are uncertain.

Flows are somewhat altered on this reach by upstream water use and management. The frequency of peak flows equivalent to the natural 1-in-4 year flood declined by 33%. Peak flows during dry years declined 22% from natural historic conditions. Total annual flow volumes in dry years declined 22%. A trends analysis shows significant declines in late summer streamflows between 1996-2020.

Water temperatures in this section of the Eagle River often approach or exceed WQCD and Colorado Parks and Wildlife (CPW) thresholds for impairment of aquatic life. Elevated water temperature conditions impact the sport fishery and opportunities for recreational angling. CPW regularly implements summer fishing closures on this reach.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

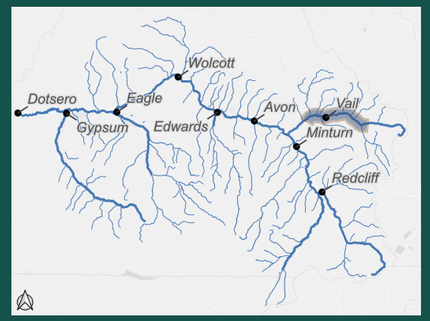
Icon	Expected Effect Size
⬆	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
⬇	Strongly Negative
⊗	Not Assessed

Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	B	○	○	⬇	⬇	⬇	○	⬆	○
Base Flow: Median Year	A	○	○	⬇	⬇	⬇	○	○	○
High Peakflow Frequency	D	○	○	○	↓	↓	↓	↓	○
Peak Flow: Dry Year	C	○	○	⬆	⬆	⬇	↓	↓	○
Peak Flow: Median Year	B	○	○	↓	⬇	⬇	↓	↓	○
Total Volume: Dry Year	C	○	○	↓	⬇	⬇	○	○	○
Total Volume: Median Year	A	○	○	○	↓	⬇	↓	↓	○
Streambed Sediment									
Continuity and Transport	A	○	↓	↑	○	↓	↓	↓	↓
Flushing Flows	A	○	○	○	○	↓	↓	↓	○
Water Quality									
Metals	A	○	○	○	○	○	○	○	○
Nutrients	B	○	↓	○	○	○	○	○	○
Temperature	D	○	○	↓	⬇	⬇	○	○	○
Riparian Areas									
Floodplain physical condition	B	○	↓	○	○	○	○	○	↓
Riparian vegetation	B	○	○	○	↓	↓	↓	↓	⬇
River Form									
Channel Structure and Dynamics	A	○	○	○	○	○	○	○	○
Aquatic Habitat									
Habitat Structure	A	○	○	○	○	○	○	○	○
In-channel Hydrologic Connectivity	A	○	○	↓	⬇	⬇	○	↑	○
Aquatic Life									
Aquatic Insects	A	○	○	↓	↓	↓	○	↑	↓
Fish	A	↓	○	↓	⬇	⬇	○	○	○

REPORT CARDS

Upper Gore Creek

Black Gore to Vail WWTP



Current and Historical Drivers of Degradation

The section of Gore Creek above Vail is included on Colorado's 303(d) list of impaired waterways. Water quality degradation manifests in low aquatic macroinvertebrate heath index scores. Expected sources of degradation include stormwater runoff, riparian degradation, pesticide application, and transportation infrastructure runoff.

Significant alteration of stream channels occurred during the development of roads and commercial and residential areas along the creek. Extensive bank armoring, channel straightening, and habitat simplification exist along the Vail Golf Course and through Vail Village. Significant alteration to continuity, lateral extent, and structure of riparian forest communities exists throughout due to town development, residential development, or the golf course.

Water storage and operations of Black Lakes produce modest impacts to the flow regime. Peak flows in dry years declined 21% relative to natural conditions. A trends analysis shows significant declines in late summer streamflows between 1996-2020.

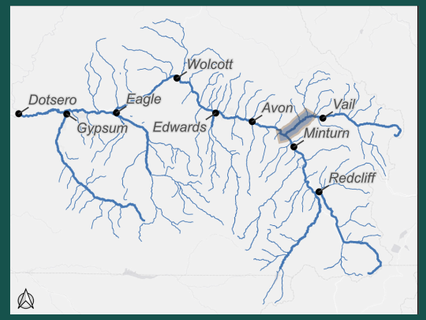
Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

Icon	Expected Effect Size
⬆	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
⬇	Strongly Negative
⊗	Not Assessed

Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	B	⬆	○	⬇	⬇	⬇	○	⬆	○
Base Flow: Median Year	A	⬆	○	⬇	⬇	⬇	○	⬆	○
High Peakflow Frequency	A	○	○	↑	↑	↓	○	○	○
Peak Flow: Dry Year	C	○	○	⬆	⬆	↓	○	○	○
Peak Flow: Median Year	A	○	○	↑	○	⬇	○	○	↑
Total Volume: Dry Year	B	○	○	⬇	⬇	⬇	○	○	○
Total Volume: Median Year	A	○	○	↑	○	⬇	○	○	○
Streambed Sediment									
Continuity and Transport	B	○	↓	↑	○	↓	○	○	↓
Flushing Flows	A	○	○	⬇	○	↑	○	○	○
Water Quality									
Metals	A	○	○	○	○	○	○	○	↓
Nutrients	A	○	○	○	○	○	○	○	↓
Temperature	A	○	○	○	○	○	○	○	○
Riparian Areas									
Floodplain physical condition	C	○	○	○	○	○	○	○	○
Riparian vegetation	C	○	○	○	○	○	○	○	○
River Form									
Channel Structure and Dynamics	C	○	○	○	○	○	○	○	↓
Aquatic Habitat									
Habitat Structure	B	○	○	○	○	○	○	○	↓
In-channel Hydrologic Connectivity	A	↓	○	↓	⬇	⬇	○	○	○
Aquatic Life									
Aquatic Insects	D	○	○	↓	↓	↓	○	○	⬇
Fish	A	○	○	↓	↓	↓	○	○	⬇

Lower Gore Creek

Vail WWTP to Eagle River



Current and Historical Drivers of Degradation

The section of Gore Creek above Vail is included on Colorado's 303(d) list of impaired waterways. Water quality degradation manifests in low aquatic macroinvertebrate heath index scores. Expected sources of degradation include stormwater runoff, riparian degradation, pesticide application, and transportation infrastructure runoff. This section of Gore Creek is also impacted by discharges from the Vail Wastewater Treatment Plant (WWTP). Elevated nutrient concentrations are evident.

Water storage and operations of Black Lakes and water withdrawals for municipal supply produce modest impacts to the flow regime. Winter water withdrawals for snowmaking can impact streamflows but are generally offset by discharges from the WWTP and releases from Black Lakes. Peak flows during typical and dry years declined more than 20%. A trends analysis shows significant declines in late summer streamflows between 1996-2020.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

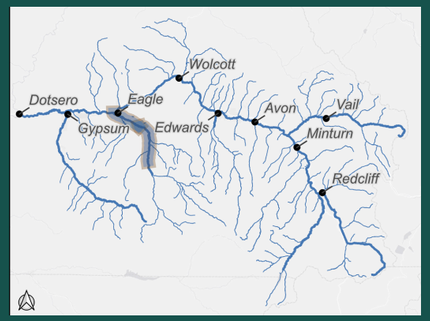
Icon	Expected Effect Size
⬆	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
⬇	Strongly Negative
⊗	Not Assessed

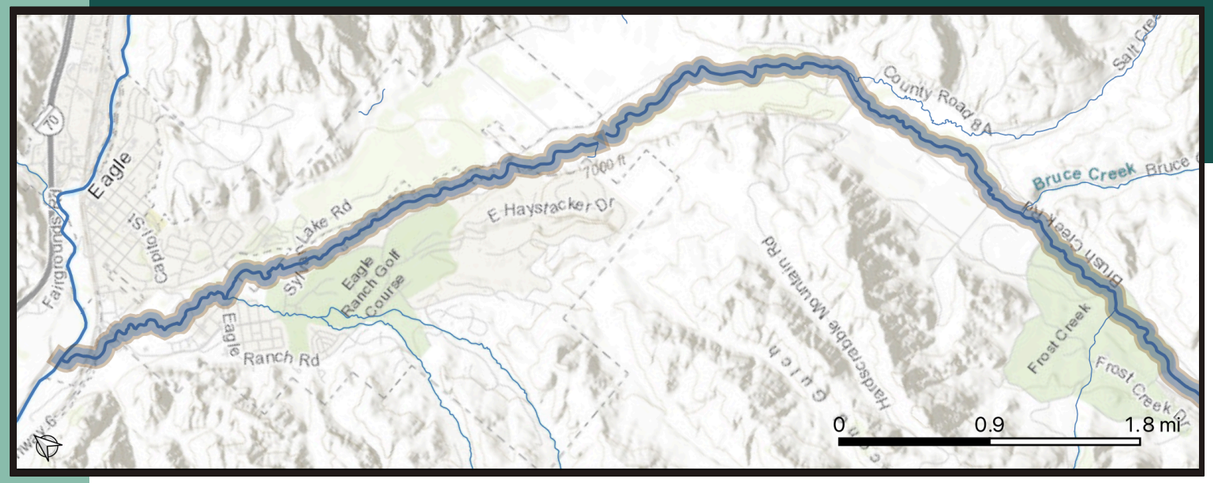
Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	A	○	○	⬇	⬇	⬇	○	○	○
Base Flow: Median Year	A	○	○	⬇	⬇	⬇	○	○	○
High Peakflow Frequency	A	○	○	↑	↑	↓	○	○	○
Peak Flow: Dry Year	C	○	○	⬆	○	↓	○	○	○
Peak Flow: Median Year	A	○	○	○	↓	⬇	○	○	↑
Total Volume: Dry Year	B	○	○	○	⬇	⬇	○	○	○
Total Volume: Median Year	A	○	○	↑	↓	⬇	○	○	○
Streambed Sediment									
Continuity and Transport	A	○	○	○	○	↓	○	○	⬇
Flushing Flows	A	○	○	○	○	↓	○	○	○
Water Quality									
Metals	A	○	○	○	○	○	○	○	↓
Nutrients	C	○	↓	○	○	↓	○	○	↓
Temperature	B	○	○	○	↓	↓	○	○	○
Riparian Areas									
Floodplain physical condition	B	○	○	○	○	○	○	○	○
Riparian vegetation	B	○	○	○	○	○	○	○	○
River Form									
Channel Structure and Dynamics	B	○	○	○	○	○	○	○	○
Aquatic Habitat									
Habitat Structure	A	○	○	○	○	○	○	○	↓
In-channel Hydrologic Connectivity	A	↓	○	↓	⬇	⬇	○	○	○
Aquatic Life									
Aquatic Insects	D	○	○	↓	↓	↓	○	○	⬇
Fish	A	○	○	↓	↓	↓	○	○	⬇

REPORT CARDS

Brush Creek

Town Diversion to Eagle River





Current and Historical Drivers of Degradation

Past or present agricultural activities and recent residential and urban development near the Town of Eagle resulted in extensive floodplain and channel encroachment and modifications or removal of riparian vegetation .

Summer baseflows in Aug/Sep of typical and dry years declined between 25-37% when compared to natural historic conditions. High peak flow frequency (the frequency of years with peaks above the natural flow 4-yr recurrence) declined profoundly (> 50%). Agricultural and municipal water uses decrease annual flow volumes by 25% during dry years.

Ambient nutrient concentrations do not exceed standards but approach it by exceeding 50% of the standard threshold or having maximum observed concentrations that are above the threshold.

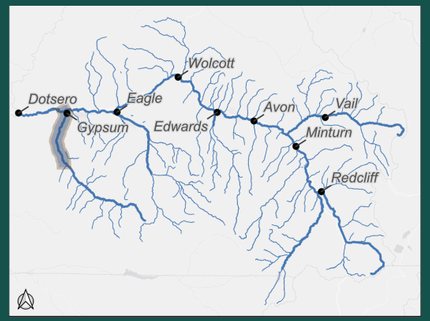
Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

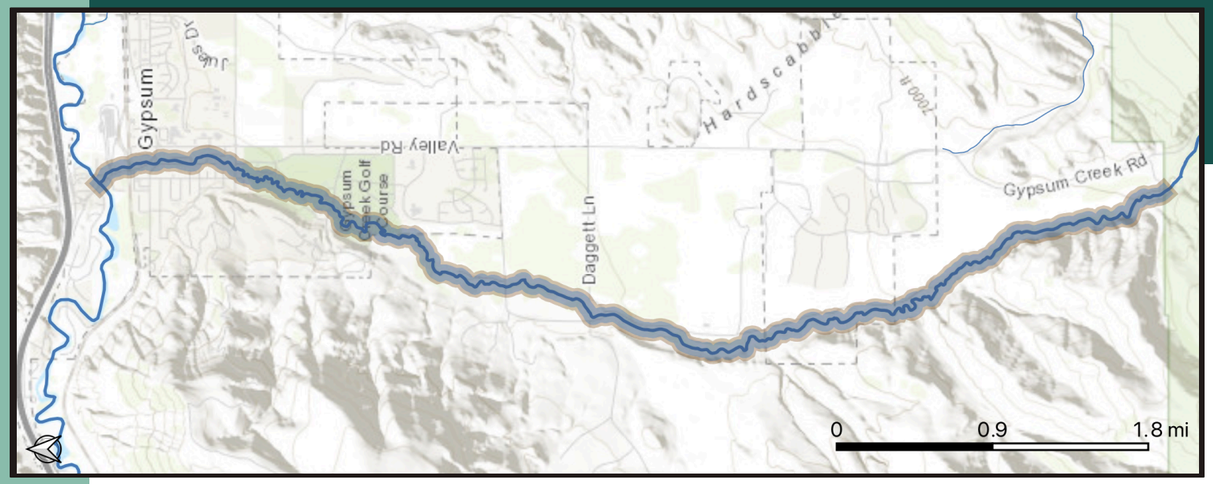
Icon	Expected Effect Size
⊕	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
⊖	Strongly Negative
⊗	Not Assessed

Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	D	↓	○	↓	↓	↓	○	○	○
Base Flow: Median Year	C	○	○	↓	↓	↓	○	○	○
High Peakflow Frequency	F	○	○	↓	↓	↓	○	○	○
Peak Flow: Dry Year	C	○	○	○	↓	↓	○	○	○
Peak Flow: Median Year	B	○	○	↓	↓	↓	○	○	↑
Total Volume: Dry Year	C	○	○	↓	↓	↓	○	○	○
Total Volume: Median Year	A	○	○	↓	↓	↓	○	○	○
Streambed Sediment									
Continuity and Transport	A	↓	○	○	↓	↓	○	○	↓
Flushing Flows	?	⊗	⊗	⊗	⊗	⊗	⊗	⊗	⊗
Water Quality									
Metals	A	○	○	○	○	○	○	○	↓
Nutrients	A	○	↓	○	○	○	○	○	↓
Temperature	?	○	○	↓	↓	↓	⊗	⊗	⊗
Riparian Areas									
Floodplain physical condition	C	○	↓	○	○	○	○	○	○
Riparian vegetation	B	○	↓	○	↓	↓	○	○	↓
River Form									
Channel Structure and Dynamics	B	○	↓	○	○	○	○	○	↓
Aquatic Habitat									
Habitat Structure	B	○	↓	○	○	○	○	○	↓
In-channel Hydrologic Connectivity	B	○	○	↓	↓	↓	○	○	○
Aquatic Life									
Aquatic Insects	A	○	↓	↓	↓	↓	○	○	↓
Fish	B	○	↓	↓	↓	↓	○	○	↓

Gypsum Creek

USFS Boundary to Eagle River





REPORT CARDS

Current and Historical Drivers of Degradation

Significant physical channel alteration, including bank armoring, straightening, and simplification, exists throughout the Town of Gypsum. Channel encroachment and high flow capacity reduction appears evident on many ranches and outlying suburbs due to flow losses at large ditches. Extensive encroachment on stream channels and floodplains exist from past or present agricultural uses and recent residential development.

Seasonal or permanent barriers to aquatic organism passage exist at low flows at specific locations on the reach. Significant alteration to continuity, lateral extent, and structure or riparian communities exists due to town development and agricultural land uses. These changes significantly degrade stream and floodplain habitat.

Agricultural and municipal water uses alter the streamflow regime. High peak flow frequency declined profoundly (~90%). Peak flows during typical and dry years declined by 37-60% compared to natural historic conditions. Summer baseflows during Aug/Sep in average and dry years declined by 50-80% relative to natural conditions. Total annual flow volumes in dry years declined 37%.

Grade	Degree of Impairment
A	None
B	Minor
C	Significant
D	Severe
F	Profound
?	Data Gap

Icon	Expected Effect Size
⬆	Strongly Positive
↑	Somewhat Positive
○	Niether Positive or Negative
↓	Somewhat Negative
⬇	Strongly Negative
⊗	Not Assessed

Functional Assessment		Potential Future Drivers							
Variable / Sub-Variable	Existing Condition	Increasing Municipal Water Use	Urbanization	Warm & Wet Climate Future	In-Between Climate Future	Hot and Dry Climate Future	New TMDs	Increased Reservoir Capacity	Wildfire
Streamflows									
Base Flow: Dry Year	F	○	○	⬇	⬇	⬇	↑	↑	○
Base Flow: Median Year	F	○	○	⬇	↓	⬇	○	○	○
High Peakflow Frequency	F	○	○	↓	⬇	⬇	○	○	○
Peak Flow: Dry Year	F	○	○	↓	⬇	⬇	○	○	○
Peak Flow: Median Year	D	○	○	⬇	⬇	⬇	⬇	⬇	↑
Total Volume: Dry Year	D	○	○	↓	⬇	⬇	○	○	○
Total Volume: Median Year	C	○	○	⬇	⬇	⬇	○	○	○
Streambed Sediment									
Continuity and Transport	B	↓	↓	○	↓	⬇	○	○	⬇
Flushing Flows	?	⊗	⊗	⊗	↓	⊗	⊗	⊗	⊗
Water Quality									
Metals	A	○	○	○	○	○	○	○	↓
Nutrients	?	○	↓	○	○	○	○	○	↓
Temperature	?	○	○	↓	⬇	⬇	⊗	⊗	⊗
Riparian Areas									
Floodplain physical condition	C	○	↓	○	○	○	○	○	○
Riparian vegetation	C	○	↓	○	↓	⬇	○	○	↓
River Form									
Channel Structure and Dynamics	C	○	↓	○	○	○	○	○	↓
Aquatic Habitat									
Habitat Structure	C	○	↓	○	○	○	○	○	↓
In-channel Hydrologic Connectivity	C	○	○	↓	⬇	⬇	○	○	○
Aquatic Life									
Aquatic Insects	?	○	↓	↓	↓	⬇	○	○	⬇
Fish	?	○	↓	⬇	⬇	⬇	○	○	⬇

Identifying At-Risk Values

Water resources are highly valued by the local community. Streams and rivers provide municipal water supply, enhance natural beauty of the landscape, support the local tourism economy and provide numerous cultural, social and intrinsic functions. The ERCWP seeks to identify how these values may be at risk in a changing and uncertain world. A shared understanding of system behavior is a crucial foundation for conversations regarding the potential impact of alternative water management approaches on ecosystem function or recreational use opportunity. The technical information discussed in the sections above intends to support the development of that shared understanding.

Understanding how to weigh the relative importance of the numerous values at risk can be a difficult exercise for both the public and water managers. A useful framework is to consider risks through the lens of 'how likely is this event or outcome to occur?' and 'how impactful will it be if it does?'. Values at Risk can then be differentiated by the likelihood of a negative impact on a value or issue of concern, and the severity of the consequence associated with that impact. Dividing the risk space into four quadrants yields risk ratings and treatment pathways where:

Risk Rating 1: High priority. Corresponds to impacts that are both likely and are expected to produce significant negative consequences. These high-priority risks require sufficient allocation of resources and proactive treatment to reduce likelihood and/or the consequences associated with an event.

Risk Rating 2: Medium priority. Corresponds to impacts that are likely but are expected to be manageable and/or not produce significant negative consequences. These medium-priority risks should be managed strategically over the long-term.

Risk Rating 3: Medium priority. Corresponds to impacts that are rare or difficult to plan for but are expected to produce significant negative consequences if/when they do occur. These medium-priority risks compel additional investigation into the event triggers and response pathways in order to be better prepared for reactive management of an event.

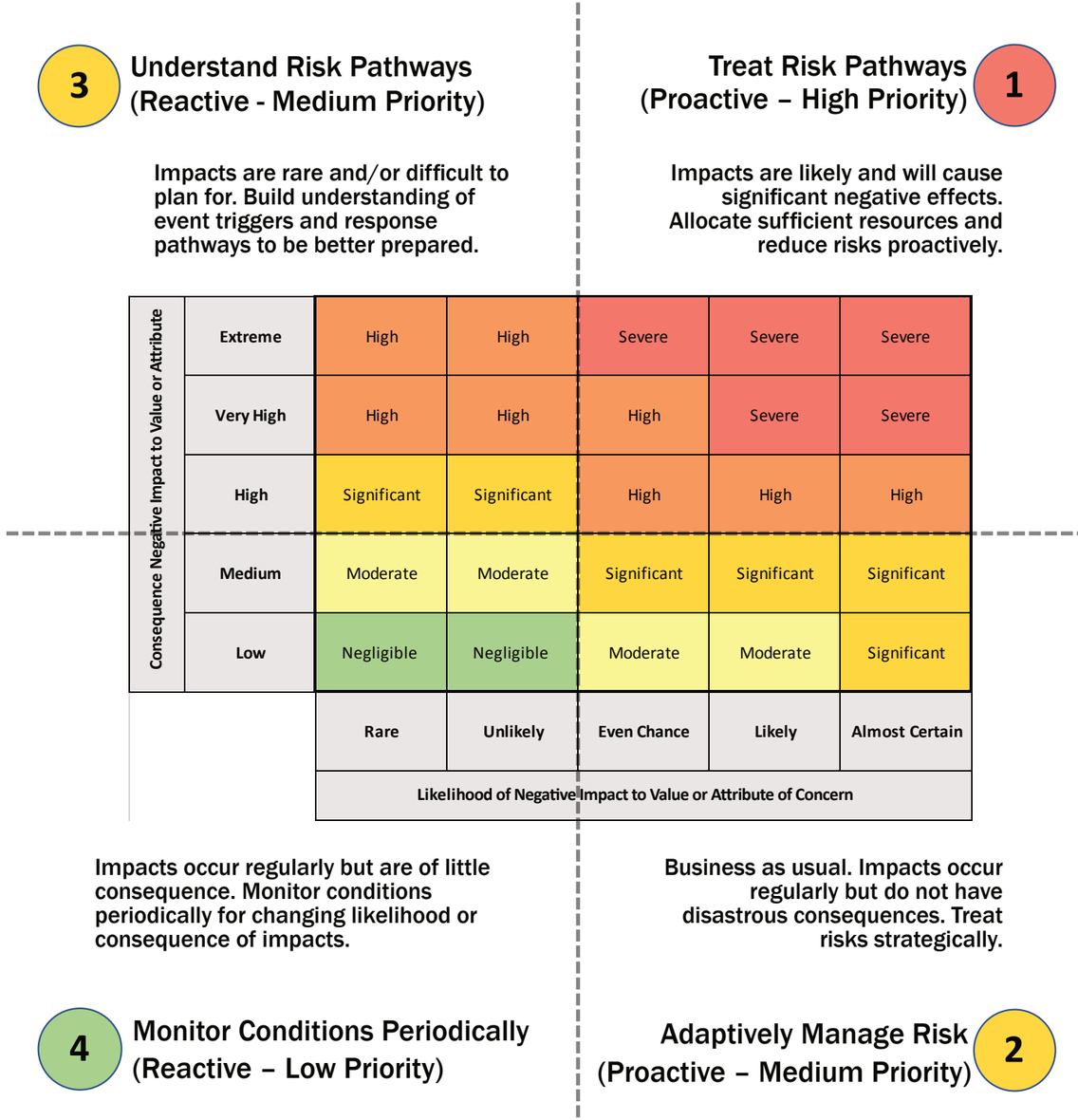
Risk Rating 4: Low priority. Corresponds to impacts that occur regularly but are of relatively minor consequence to the issue or value of interest. These low-priority risks entail periodic monitoring or assessment of conditions to alter stakeholders to changing event likelihood or consequence severity.

Potential future risks to the values derived from local streams and rivers were explored and identified through a process of stakeholder elicitation and workshops. Community workshop activities included causal chain diagramming, small group discussion, and multi-voting. Outcomes of these stakeholder processes were reviewed and summarized into two categories:

- Environmental and Recreational Uses
- Consumptive and Municipal Uses

The relatively high ranking of environment and recreation water uses by community members, coupled with the relative surplus of existing planning activity and information conducted in other venues for municipal and agricultural water uses, provides a rational basis for focusing on these uses in future decision-making processes regarding water resource use and development.

The following pages summarize the Values at Risk identified through the ERCWP process. A more detailed discussion of the Values at Risk is provided in **Appendix C**.



The figure above is a conceptualized risk space relating 1) the likelihood of some negative impact to a value or attribute of concern and 2) the consequence of that impact. Varying degrees of likelihoods and consequences are indicated in the gray boxes. The associated level of risk to the value or attribute of concern is indicated in the colored boxes. The risk space is divided into four quadrants that suggest different strategies and priorities for responding to risk. Values at Risk identified during the ERCWP are assigned to these four risk quadrants on the following pages.

RISK RATING

1

High priority. Corresponds to impacts that are both likely and are expected to produce significant negative consequences. These high-priority risks require sufficient allocation of resources and proactive treatment to reduce likelihood and/or the consequences associated with an event.

Wildlife and Biodiversity

- Instream flow deficits limited in most areas of the watershed but are more prevalent in upper reaches of Gore Creek and on the Eagle River near Avon. Deficits may become more severe on the mainstem Eagle River and on Gore Creek near Vail, especially during dry years, due to growing water demands and a changing climate.

Municipal Water Supply

- Growing populations and warming air temperatures increase demand for municipal water supply in systems throughout the watershed.
- Increases to in-basin municipal diversions and/or storage of surface water due to the combined effects of climate change and population growth may alter patterns of streamflow in a manner that negatively impacts riverine ecosystems along the Eagle River below Cross Creek, Gore Creek, Brush Creek and Gypsum Creek.
- Increases to transmountain diversions due to increasing water demand on the Front Range may alter patterns of streamflow in a manner that negatively impacts riverine ecosystems on the Eagle River.

Angling

- Elevated summer and fall water temperatures driven by changes in water use and climate lead to more fishing closures and reduced fishery quality; the largest impacts are expected below Edwards.

Recreational Boating

- Altered streamflow on the Eagle River due to changes in water use and climate may reduce the frequency and duration of suitable conditions for a variety of whitewater boating activities and shift a greater number of those suitable conditions to the early spring period.

Aesthetics and Viewscapes

- Development in floodplains and placement of infrastructure within the river corridor degrades the aesthetic quality of the landscape, particularly on Gore Creek; similar potential for future degradation exists along the Eagle River between Wolcott and Gypsum.

Snowmaking

- Warming winter air temperatures may lead to an inability for local ski resorts to make snow in the early winter months, which may reduce the total available skier days.
- Warming climate and shifting precipitation patterns may mean that snowmaking is required for a longer period in any given year; increasing the duration of the impact of snowmaking activities on streamflows, particularly in Gore Creek.

RISK RATING 2

Medium priority. Corresponds to impacts that are likely but are expected to be manageable and/or not produce significant negative consequences. These medium-priority risks should be managed strategically over the long-term.

Municipal Water Supply

- Out-of-basin augmentation of local municipal water use fails to mitigate impacts of that use on local ecosystems.
- Loading of metals from historical and ongoing mining activities negatively impacts drinking water supply quality on the Eagle River above Avon.

Angling

- Altered streamflow on the Eagle River below Edwards due to changes in water use and climate may reduce the frequency and duration of suitable conditions for float fishing and shift a greater number of those suitable conditions to the late winter/ early spring period.

Aesthetics and Viewscapes

- Growing populations and increasing urban/suburban development pressure leads to conversion of agricultural lands and a loss of open, green spaces in upland areas buffering communities or along river corridors.

Agriculture

- Aging water supply infrastructure may increase operation and maintenance costs for some agricultural producers, eroding the economic viability of local farming/ranching enterprises. Inefficiencies in water delivery infrastructure may also limit agricultural users' ability to adapt and respond to climate change.
- Water use by phreatophytes along open ditches increases consumptive use.

Wildlife and Biodiversity

- Warm stream temperatures degrade the health of the cold-water fishery in the middle and lower watershed.
- Sedimentation impacts from large wildfires may produce acute fish-kill or macroinvertebrate loss events. Downstream aquatic habitat conditions may be degraded and require several years to recover. Impacts may occur broadly across the watershed.
- Continued water quality impacts from Eagle Mine impact fishery structure on the Eagle River near Minturn.
- Combined effects of climate change and upstream water development may exacerbate water quality impacts from Eagle Mine on the fishery near Minturn.
- Climate change and future municipal water demands may deplete streamflows on Gypsum Creek, disconnecting headwaters reaches from the mainstem Eagle River.
- Traction sand and road salts sourced from the I-70 corridor over Vail Pass may impact aquatic habitat quality on Gore Creek. Road expansion is likely to increase the quantity of both making it into the creek in the future.
- Native cutthroat trout populations that exist in small tributary streams at high elevations may be at risk for fire, hybridization with non-native species, or future fragmentation of habitat due to infrastructure development.
- Continued urbanization is expected to disproportionately impact riparian areas along the Eagle River mainstem below Wolcott, on Gore Creek and along tributaries like Brush Creek and Gypsum Creek.
- Ongoing agricultural activities on select parcels in the river corridor near Edwards and between Eagle and Gypsum suppress recovery of native riparian plant communities.
- Recovery trajectories are uncertain for recently burned areas of riparian forest along the Eagle River near Gypsum; ongoing climate change and development pressures may limit natural recovery potential.
- Development in floodplains and placement of infrastructure within the river corridor fragments terrestrial wildlife habitats on streams and rivers throughout the watershed.

RISK RATING 3

Medium Priority. Corresponds to impacts that are rare or difficult to plan for but are expected to produce significant negative consequences if/when they do occur. These medium-priority risks compel additional investigation into the event triggers and response pathways to be better prepared for reactive management of an event.

Wildlife and Biodiversity

- Future water temperature increases driven by changes in climate may lead to the complete loss of the cold-water fishery and a shift in species composition to a warm-water fishery in the lower watershed.
- Existing high-quality riparian areas along the mainstem Eagle River near Edwards and between Wolcott and Gypsum appear at greatest risk for change due to altered peak flow hydrology under various climate change and water use scenarios.

Municipal Water Supply

- Warming air temperatures may decrease the overall effectiveness of outdoor water conservation programs/projects.
- Consolidation of water supply to a smaller number of diversion points following low-frequency/high-impact events (e.g., hazardous material spill on Vail Pass, catastrophic wildfire) may lead to increasingly altered streamflows on some reaches of stream.
- Large wildfires may significantly degrade the quality of drinking supply for smaller municipal systems (e.g., on Brush Creek and Gypsum Creek).

Angling

- Changes to streamflow, water quality and/or fishing pressures may alter the status of the Gold medal fishery on lower Gore Creek and the candidate Gold Medal reaches on the Eagle River near Avon and Gypsum.
- Increasing likelihood of fishing closures on some subset of stream/river reaches may increase angling pressures on other reaches, degrading the fishing experience and the quality of the sport fishery.

RISK RATING 4

Low Priority. Corresponds to impacts that occur regularly but are of relatively minor consequence to the issue or value of interest. These low-priority risks entail periodic monitoring or assessment of conditions to alter stakeholders to changing event likelihood or consequence severity.

Wildlife and Biodiversity

- Water quality degradation from urbanization may degrade macroinvertebrate communities and qualifying conditions for Gold medal fishery status on lower Gore Creek and on the Eagle River near Avon and near Gypsum.
- Aquatic biology on the Eagle River and Gore Creek is supported by a high degree of hydrological connectivity among reaches and between mainstem channels and various tributaries in the middle and upper watershed. Warming air and water temperatures under climate change may induce some thermal barriers to fish movement in the middle and lower watershed.
- Structural/physical habitat degradation caused by legacy agricultural activities and infrastructure placement occurs sporadically along the Eagle River mainstem below Town of Eagle and along Gore Creek in the vicinity of the public golf course.
- Growing resident and visitor populations may increase nutrient loading from wastewater treatment plants and stormwater runoff while changing streamflows under climate change may reduce the diluent capacity of receiving waters during some times of year, creating problematic conditions for aquatic life.

Municipal Water Supply

- Questions regarding the impact of arsenic on water supply quality remain due to uncertainty in the regulatory environment.

Agriculture

- Changing economic and social pressures may lead to a progressive reduction in the number of productive agricultural operations.

Translating Values at Risk to Management Objectives

Stakeholders to the ERCWP reflected on the Values at Risk (**pages 54-61**) and identified a set of durable Management Objectives (**Appendix A**) that can be used to guide policy development and project implementation in the Eagle River watershed. Stakeholders worked to ensure that identified objectives are measurable, operable, meaningful and motivational:

Measurable means that progress toward meeting the objective can be quantified over time

Operable means that the community does not expect that meeting the objective will require broad participation of governments, organizations or individuals not represented in the planning process or who reside outside of Eagle County; or require an infinite time horizon

Meaningful means the objective is issue-based and relevant to the ERCWP planning goals

Motivational means that local organizations, governments or individuals whose participation is required for the objective to be successful should, generally, be inspired or have the political will to act to meet the objective.

Management Objectives are issue-based statements that respond directly to the issues that the community expects the ERCWP to address. A summary of the ERCWP objectives is presented in the graphic at right. Identified objectives are presented in greater detail elsewhere. Detailed objectives reference specific geographies and timeframes over which they apply and can be assessed. They are also accompanied by clear and measurable targets for success; and a set of proposed performance indicators or metrics that can be used to evaluate objective success over time (Note: the selected metrics may change over time as new information and assessment techniques come available). The Management Objectives included in the ERCWP are aspirational in nature and should not be misconstrued as enforceable policy statements. They should also not be interpreted as consensus statements or as the maximum necessary standard for meeting the goals of the ERCWP.

Management objectives identified through the ERCWP process.

Issue of Concern	Objective
Wildlife and Biodiversity	Protect riparian and wetland ecosystem condition and function
	Support viability of native and sport fish populations
	Maintain or enhance surface water quality for aquatic biota
Municipal Water Supply	Meet projected municipal water demands of expected population growth in Eagle County given the uncertainty of a changing climate
	Improve municipal water system efficiency
	Strengthen connections between land use planning and water use
	Limit negative impacts of municipal water use on the natural environment
	Maintain or enhance surface water and groundwater supply quality
	Reduce water consumption for outdoor amenities (ponds, fountains, golf courses, parks, turf fields, etc.)
	Limit water quality impacts of water use by outdoor amenities
Angling	Maintain Gold Medal trout fishery eligibility on Gore Creek and the Eagle River
	Protect riparian ecosystems at fishing access points
	Maintain opportunities for float fishing on the Eagle River
	Enhance user knowledge of river ethics, parking at public access points, maximum user capacity of a give reach for enjoyment, etc.
	Promote conditions conducive to fishery health
Recreational Boating	Provide for adequate recreational boating access to the Eagle River and Gore Creek
	Maintain opportunities for recreational boating on the Eagle River and Gore Creek
	Enhance user knowledge of river ethics, parking at public access points, maximum user capacity of a give reach for enjoyment, etc.
Agriculture	Maintain green spaces and terrestrial habitat provided by productive irrigated agriculture
	Improve efficiency of existing irrigation water delivery and irrigation systems
Aesthetics and Viewscapes	Recognize the importance of maintaining the aesthetic qualities of healthy functioning stream and river corridors
Snowmaking	Minimize negative environmental impacts associated with water demands for snowmaking

Support for Ongoing Identification and Prioritization of Management Strategies

The Management Objectives (**Appendix A**) represent a critical primary deliverable from the ERCWP. They provide a framework for ongoing efforts to identify projects, policies, and other actions that support the goals of the Plan. In this way, the ERCWP is envisioned as a dynamic process that does not end with the publication of this document or associated planning outputs. The Eagle River Coalition intends to continue engagement with local stakeholders to identify, fund, and implement critical actions that further the goals and mission of the Plan.

Initial Strategy List

The final steps in the ERCWP planning process involved identification of an *initial* set of alternative actions that support he identified Management Objectives. Stakeholders to the ERCWP participated in several workshops to evaluate the outcomes from various technical assessments, consider the values at risk and management priorities expressed through the Management Objectives. The outcome of these workshops was a draft set of 92 projects, policies, and other managements actions subjected to further evaluation. The planning team assessed the list of ideas against the Management Objectives and performed a cursory feasibility analysis to reduce the list to 30 potential Strategies that can help mitigate future risks to the values and benefits the local community derives from streams and rivers. Those Strategies were organized into 9 broad categories:

- Instream habitat restoration
- Management of instream flows
- Climate studies/infrastructure
- Riparian habitat restoration
- Recreation infrastructure
- Recreation use limits
- Turf reduction and landscaping
- Water rates
- Education and community outreach

Each remaining Strategy was evaluated against the perceived constraints, or challenges that might limit the ability of the community to actually implement the action. Strategies were also assessed by identifying the number of Management Objectives they respond to. These outcomes of these evaluations were captured as a pair of dimensionless indices that allow for relative comparisons among the Strategies.

The first step in computing the Responsiveness to Objectives Index involved answering a series of questions exploring the degree to which each Strategy related to each Management Objective. Those questions are provided below.

Management Objective Responsiveness Questions

- How strongly does this Strategy respond to a Management Objective?
- Does it respond to more than one?
- Do you think this Strategy can achieve the desired result without completing other Strategies first?
- How would you measure/determine that this Strategy had the intended effect on the Management Objective?

Initial set of project and policy Strategies identified through the ERCWP process. Each Strategy is accompanied by a pair of dimensionless indices that describe their respective responsiveness to the Management Objectives and the number and type of limiting factors that may complicate implementation of the Strategy.

Strategy	ID	Description	Scaled Evaluation Indices	
			Responsiveness to Objectives	Perceived Limiting Factors
Instream Habitat Restoration	HAB-1	Partner with local conservation district to construct fish passage structures around select agricultural water diversions on Gypsum Creek and Brush Creek	2.9	1
	HAB-2	Partner with USFS and CPW to install Aquatic Organism Passage (AOP) Projects on tributaries holding native trout	1.8	0
	HAB-3	Implement aquatic and riparian habitat restoration project on the Eagle River below Gypsum impacted by wildfire	2.5	2
	HAB-4	Reroute Wearyman Road (connector of Shrine Pass and Red Cliff) to reduce sedimentation	1.0	1
	HAB-5	Conduct post-project monitoring for instream habitat restoration projects to quantify effectiveness	0.8	3
Management of Instream Flows	Q-1	Construct modeling tools to evaluate feasibility of mitigating water temperature impacts on lower Eagle River through reservoir releases	3.5	5
	Q-2	Pilot Water Temperature Reduction Project	7.0	2
	Q-3	Support the Colorado River District's efforts to secure the Shoshone Power Plant water rights in Glenwood Canyon	7.0	1
Climate Studies/ Infrastructure	CSI-1	Support the Central Colorado Mountains River Basin Weather Modification Program	1.2	2
	CSI-2	Incentivize installation and use of smart irrigation controls on residential dwellings	3.2	1
Riparian Habitat Restoration	RIP-1	Continue to pursue riparian/wetland restoration opportunities identified in the Eagle River Inventory and Assessment that fall outside the ERCWP planning area	3.2	2
	RIP-2	Use riparian condition mapping produced by the ERCWP to plan and implement riparian habitat restoration with private landowners in Edwards near the confluence with Lake Creek and between Eagle and Gypsum	8.3	2
	RIP-3	Plan and implement riparian habitat restoration projects with public land entities on upper Brush Creek and Gypsum Creek.	7.6	1
	RIP-4	Increase river canopy shading along the lower Eagle River with large trees to address increasing river temperatures	6.6	1
	RIP-5	Utilize conservation easements to protect riparian habitat, wetlands, and floodplains, especially near Edwards, Wolcott, and between Eagle and Gypsum	3.9	3
	RIP-6	Develop recommendations for complementary riparian setbacks in Eagle County and the towns of Eagle County	7.5	2
Recreation Infrastructure	REC-1	Inventory and upgrade existing boat ramp infrastructure (e.g., hard and soft), river access points, and nearby recreational areas	6.2	2
	REC-2	Improve efficiency of existing irrigation water delivery and irrigation systems for parks, golf courses, and ball fields	0.6	3
Recreation Use Limits	USE-1	Study the impacts of recreational boating and angling on aquatic species, especially during elevated temperature events	0.6	1
	USE-2	Study user pay systems for river use, including the effectiveness, feasibility and equity of such regulations	0.6	1
Turf reduction and Landscaping	TRF-1	Implement turf replacement and stormwater demonstration projects throughout the county	6.8	3
	TRF-2	Organize an education and outreach program to promote water-wise landscaping throughout the county	6.8	0
	TRF-3	Establish a local source/nursery for native drought-tolerant and/or riparian vegetation	3.2	1
	TRF-4	Establish landscape guidelines for turf reduction for new developments or rebuilds	6.8	1
	TRF-5	Develop an incentive program for community members to re-landscape their properties and reduce turf	6.8	2
	TRF-6	Establish policies to reduce water use on existing properties	7.2	1
Water Rates	RTE-1	Promote use of Eagle River Water and Sanitation District's tiered water rate cost structure in other jurisdictions	7.0	1
	RTE-2	Establish water budgets for residential and commercial properties throughout Eagle County	3.5	1
Education and Community Outreach	EDU-1	Establish a long-term stakeholder coalition to prioritize, fund, and implement projects	0.0	1
	EDU-2	Engage with homeowners by bringing information to their homes to reduce excessive water use	3.6	1

Index values were computed by summing weighted responsiveness scores for each Strategy. Weights reflected a Strategy's correspondence to the prioritization of water uses expressed by community members and the Value at Risk ratings associated with each Management Objective that the Strategy responds to. The scoring approach is outlined below.

∑ (Responsiveness Scores X Water Use Ranking Weights X Value At Risk Weights) = Index Score

Responsiveness Scores	Water Use Ranking Weights	Value At Risk Weights
3 - Strongly Responsive	7 - Wildlife and Biodiversity	4 - Treat Risk Pathways
2 - Moderately Responsive	6 - Municipal Use	3 - Adaptively Manage Risk
1 - Somewhat Responsive	5 - Agriculture	2 - Understand Risk Pathways
0 - Not Applicable	4 - Recreational Boating	1 - Monitor Conditions
	3 - Angling	
	2 - Aesthetics	
	1 - Snowmaking	

The Limiting Factors Index was assessed for each Strategy by considering a series of questions related to the potential challenges posed by various factors. The questions contemplated by the project team are provided below, organized by limiting factor category.

Limiting Factors Questions

Secondary Effects
- What are potential adverse or unintended consequences (e.g. environmental or socioeconomic) produced by the Strategy; how might these be addressed

Implicated Stakeholders
- Is there a local champion individual or organization for this Strategy ?
- Who are the decision-making bodies or individuals implicated by this Strategy (e.g. local governments, federal resource management agencies)?
- Who are the key constituencies who must be influenced/agree to participate in order to successfully implement the Strategy (who has something to gain; who has something to lose)? What motivates them (e.g., $$$, fear, ease, peers)? Why will they support/oppose the strategy? What's the process required to engage or address them?

Underlying Factors
- Is there an underlying factor that acts as a critical driver or barrier that must be addressed to implement this Strategy or that may limit its effectiveness after it is implemented (e.g. climate change may decrease water supply and constrain efforts to manage water creatively for other uses)?
- Is it feasible for us, or someone else within the community, to fully address this factor successfully on a reasonable time scale? If not, to what extent can the factor be addressed locally?

Scope and Scale
- What degree of legal interest/work is required to implement the Strategy (e.g., water rights, conservation easements, management agreements)?
- What degree, frequency or level of management is required (e.g. one-time effort, bi-annual, monthly, etc.)?
- To what degree will the Strategy require local, state, or federal permits and how difficult will it be to secure those?

Costs
- What's the estimated order of magnitude cost to implement the Strategy (e.g., tens of thousands of dollars, hundreds of thousands, millions)?
- Is funding available locally? If not, what are the other likely sources of funding? How much match funding (as a percentage of the total expected cost) can be expected to come from the local community?

Weights were assigned to each Strategy corresponding to each of the potential limiting factors using the rating system described below. The limiting factor scores were then summed for each Strategy area. This summed value was used as the index score. The dominant limiting factors identified across the full set of Strategies were Costs and Implicated Stakeholders.

Limiting Factor Weights

0 - Not Applicable: This issue is not relevant to the action or was previously overcome.

1 - Some Concern: This issue presents some barriers for action implementation/success but it can be easily resolved by continued efforts of local stakeholders in the near-term.

2 - Significant Concern: This issue is expected prohibit implementation or severely limit success of the action in the near term. Significant work/attention are likely required resolve it.

3 - Deal breaker: This issue seems insurmountable but is critical to the success of the action. It is not clear how it can be resolved now or in the future.

Those Strategies deemed most responsive to the Management Objectives and presenting few issues or constraints for implementation may be prioritized for implementation on shorter timelines. Other Strategies remain important priorities for the community, but additional roadmapping and groundwork is likely required before implementation can proceed. Over time, community members will identify additional Strategies for responding to the Management Objectives. Evaluating the opportunities presented by new Strategies relative to those stated here may benefit from a structured process like a Multi-Criteria Decision Analysis (MCDA). The approach outlined above provides ERC and its partners with a template for MCDA implementation.

Implementation of the Strategies

The list of Management Objectives (**Appendix A**) and Strategies (**Appendix P**) provided by the Plan (and updated in coming years by the community) intends to function as a roadmap for activities that preserve and enhance the ability of streams and rivers in the Eagle River Watershed to meet human and ecosystem needs. Identified lists of Limiting Factors can be used as a "punch list" of tasks that require completion prior to pursuit of a Strategy. Implementation of individual Strategies will be most effective when and where local stakeholders and an identified project champion partner to secure necessary funding, conduct outreach to the community, and oversee the implementation of projects or policies.

Implementation of the Strategies outlined in the ERCWP, and additional Strategies identified by ERC and its partners in the future, will only be successful with collaboration and cooperation among affected stakeholders, elected officials, and resource managers. The collection of entities implicated by the Strategies are varied and diverse. While ERC expects to play a central coordination role for implementation of the Plan, there is no single entity expected to carry the torch for implementation of the full set of Strategies.

The rationale for the actions embodied in the Plan's list of Strategies is expected to support requests for and receipt of funding from local, regional, state, and federal sources. A non-exclusive list of potential funding sources for Strategy implementation includes the following:

- **Eagle River Fund**
- **Colorado River District Community Funding Partnership**
- **Colorado Basin Roundtable Water Supply Reserve Fund**
- **Colorado Water Conservation Board Watershed Restoration Grants**
- **Colorado Water Conservation Board Colorado Water Plan Grants**
- **Colorado Water Conservation Board Turf Replacement Program**
- **U.S. Bureau of Reclamation Water Smart Grants**

The wealth of technical material provided by the ERCWP should support grant application development and provide a pathway for long-term assessment of project outcomes. Characterizing project success or failure will be critical to ongoing efforts to update the Plan through addition, modification, or removal of Management Objectives and the identification of new Strategies.

Updates to the Plan

The long-term success and relevance of the Eagle River Community Water Plan hinges on periodic review of the Values at Risk, stated Monitoring Objectives, and Strategies by those individuals and organizations charged with the Plan's implementation. Specific activities that should occur in the future to ensure the lasting relevancy and utility of the ERCWP to the local community include:

(a) Regular consideration of Monitoring Objectives and associated performance measures relative to the current state of knowledge and assumptions underlying the Values at Risk;

(b) annual stakeholder review of implementation successes and other achievements relative to the recommended Strategies and development of a work-plan for activities in the upcoming year;

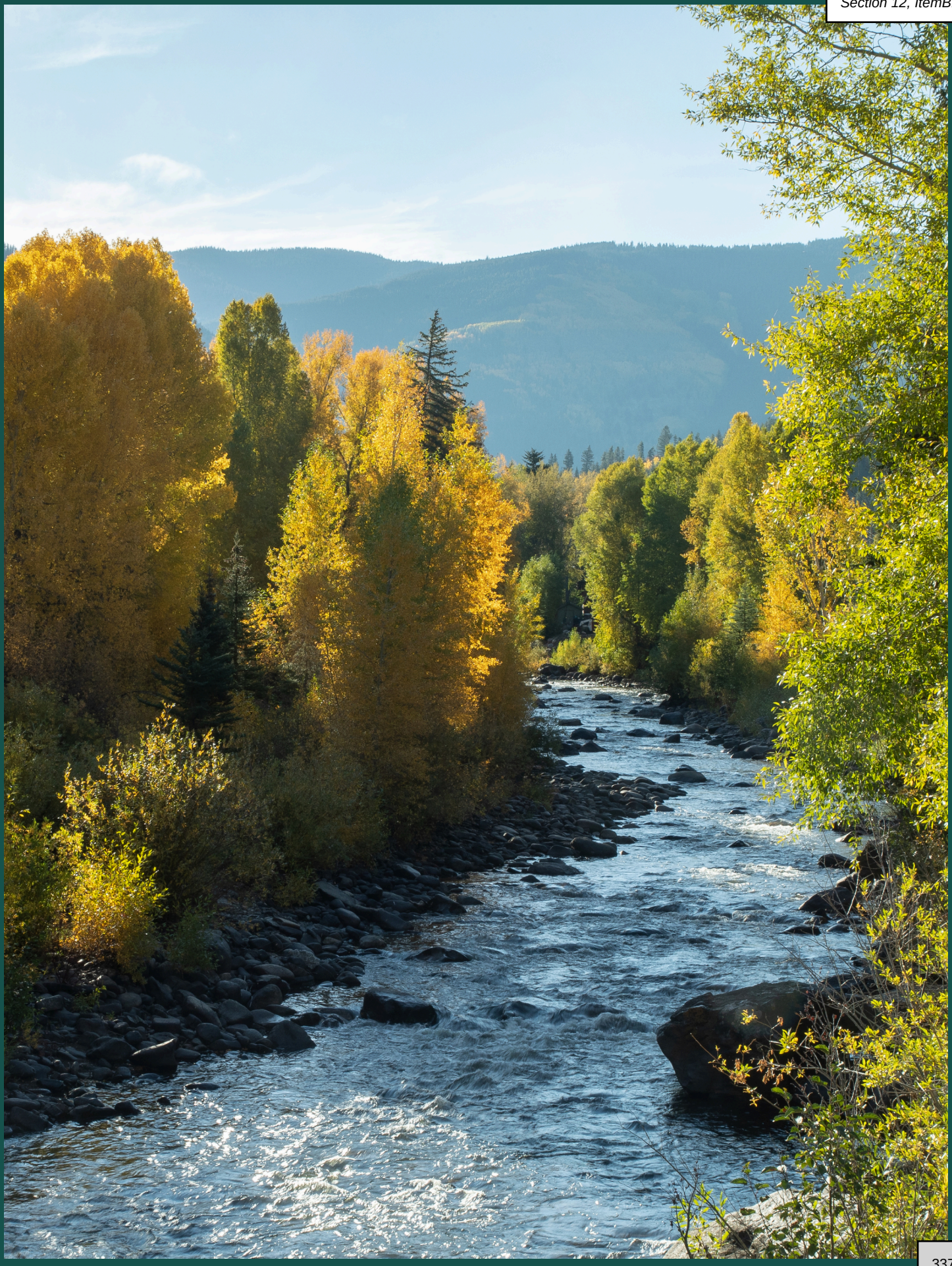
(c) comprehensive assessments conducted on relevant ecological or social timeframes that collate new data and provide new analyses to identify emergent hydrological, ecological and human conditions and trends;

(d) major updates to the Eagle River Community Water Plan conducted every ten years based on most recent comprehensive assessment results and input from the community;

(e) ongoing monetary support of projects, programs, and policy initiatives that work to further the achievement of the Monitoring Objectives; and

(f) annual targeted updates on Eagle River Community Water Plan activities provided to local government, community groups, and/or other stakeholder organizations.

Many of the Community Values identified by the ERCWP apply broadly across the Eagle River Watershed. However, the technical assessment of local conditions was geographically limited. Accordingly, future updates to the ERCWP may benefit from an extension of the technical assessment to include a wider geographical area. Throughout the planning process, some community members emphasized the need to extend the technical assessment approaches used under the ERCWP to evaluate the existing and potential future conditions of the upper Eagle River and Homestake Creek, especially as those waterways may be impacted by projects completed under the Eagle River MOU. More focused analysis and planning work on Lake Creek, Brush Creek and Gypsum Creek may also identify additional planning needs and opportunities.



To: Mayor and Town Council
From: Michellee Metteer
Date: July 17, 2024
Agenda Item: Resolution 36 – Series 2024; A Resolution Approving the Installation of a PRV in the Master Meter House for the Complete Utilization of Tanks #2 and #3

REQUEST:
Staff is recommending the Council approve Resolution 36 – Series 2024; A Resolution Approving the work to construct a PRV Meter house within the Minturn potable water distribution system.

INTRODUCTION:
Staff is seeking confirmation from Councl to move forward with the Request for Proposal process to install a pressure reducing valve (PRV) on the potable water distribution system. This PRV will allow for full storage utilization of both Minturn tanks #2 and #3. The only remaining work, which is not included in this project or cost estimate, will be the relining of tank #2 at an estimated cost of approximately $140,000.

ANALYSIS:
Because Minturn's two main water storage tanks are located at different elevations, a PRV is needed to allow each tank to fully function without overflow. This work would be conducted within the current master meter housing and entirely within an already-created structure. If approved, an RFP would be issued, Council would approve the recommended contract and work could commence as early at this fall with a completion date of late winter/early spring.

COMMUNITY INPUT: The community is encouraged to provide input.

BUDGET / STAFF IMPACT:
By paying cash and not utilizing Minturn's State Revolving Funds (SRF) leftover from the water tank construction, staff estimates a 25% cost savings with a PRV Meter house project cost of approximately $304,000.

STRATEGIC PLAN ALIGNMENT:
In accordance with Strategy #4 the Town will advance decisions/projects/initiatives that expand future opportunity and viability for Minturn.

RECOMMENDED ACTION OR PROPOSED MOTION: Motion to approve Resolution 36 – Series 2024 as presented.

Attachments:
- Resolution 36 – Series 2024
- Engineer's Opinion Probable Construction Cost
- Meter House Drawings

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 36 – SERIES 2024

A RESOLUTION APPROVING THE INSTALLATION OF A PRESURE REDUCING VALVE TO BALANCE WATER PRESURE BETWEEN TANK #2 AND TANK #3 ON THE MINTURN WATER SYSTEM FOR THE TOWN OF MINTURN, COLORADO

WHEREAS, the Town of Minturn has installed a concrete water storage tank on the Minturn Water Storage and Distribution system; and

WHEREAS, The proposed plan was developed and approved by town engineering firm HDR Engineering Inc to make necessary improvements to the Meter House as laid forth in the attached documentation; and.

WHEREAS, The proposed work will provide complete utilization of both Minturn water tanks #2 and tank #3 providing additional water storage services to the Town.

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO THAT THE MINTURN METER HOUSE IMPROVEMENTS ARE HEREBY APPROVED AND ADOPTED.

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 17th day of July, 2024.

TOWN OF MINTURN

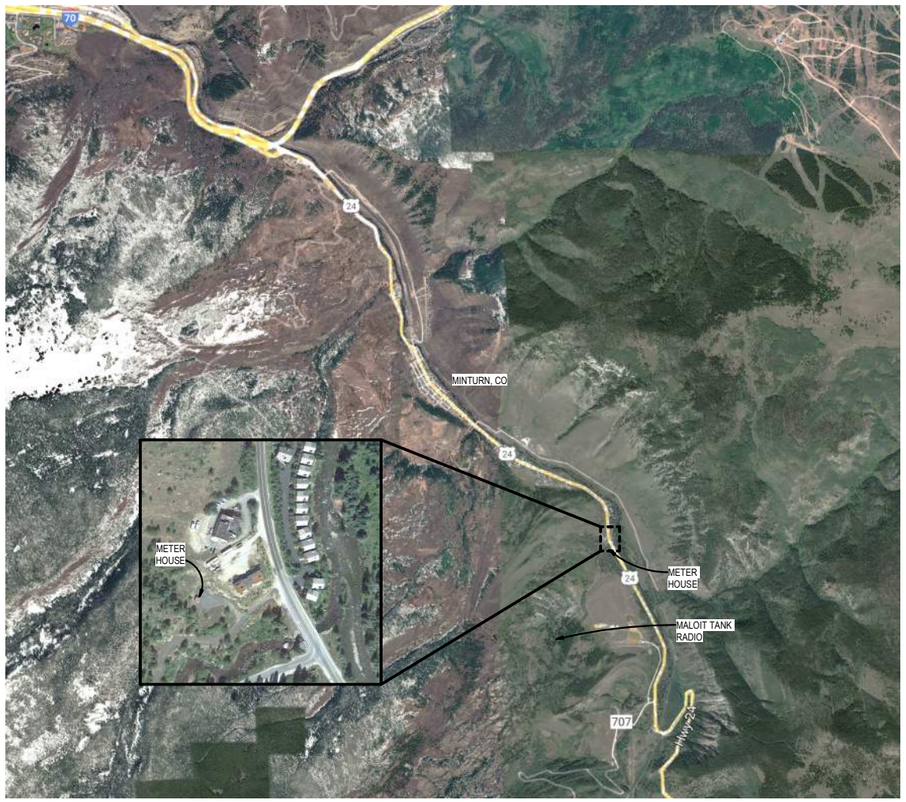
By:_____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

Opinion of Probable Construction Cost **Date** 7/11/2024
Meter House Improvements Town of Minturn

ITEM	QTY	UNIT		COST		TOTAL
(2) 6” HPBFVs with elec. actuators	2		$	12,000	$	24,000
(1) 6” Dismantling Joint	1		$	3,000	$	3,000
(3) 6” DIP Tee, (1) 6” Elbow	4		$	4,000	$	16,000
(1) 1” Air Release Valve	1	ea	$	1,000	$	1,000
Bolts, Nuts, Gaskets	1	ea	$	2,000	$	2,000
Pipe Supports	2	ea	$	500	$	1,000
Incidentals/Misc (Small dia valves/pipe)	1	lot	$	4,000	$	4,000
Mechanical Piping Install/Disinfection	1	lot	$	20,000	$	20,000
Process Mechanical Subtotal					**$**	**71,000**
AB CompactLogix PLC Panel w/ RTU/Antenna	1	ea	$	60,000	$	60,000
RTU/Antenna Improvments at Maloit Tank	1	lot	$	10,000	$	10,000
PITs	2	ea	$	5,000	$	10,000
Electrical/System Integration Install	1	lot	$	25,000	$	25,000
Electrical/Integration Subtotal					**$**	**105,000**
Materials and Labor Subtotal					**$**	**176,000**
Contingency	20	%			$	35,200
Mob/Demob.	5	%			$	8,800
Overhead/Profit	10	%			$	17,600
Bonds/Ins	5	%			$	8,800
GCs (PM, Admin, Warranty)	10	%			$	17,600
EOPCC Range (-10%, +15%)			**$**	**238,000**	**- $**	**304,000**



VICINITY MAP

Contract Drawings For

TOWN OF MINTURN

ISSUE FOR PROJECT BID

METER HOUSE IMPROVEMENTS

Project No. 10348601

Date: JULY 2024

INDEX OF DRAWINGS

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COLORADO LICENSED PROFESSIONAL ENGINEER JAROD COLE TIMKE 51505

2024-07-11

07/2024

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GENER

1. THESE ABBREVIATIONS APPLY TO THE ENTIRE SET OF CONTRACT DRAWINGS.
2. LISTING OF ABBREVIATIONS DOES NOT IMPLY THAT ALL ABBREVIATIONS ARE USED IN THE CONTRACT DRAWINGS.
3. ABBREVIATIONS SHOWN ON THIS SHEET INCLUDE VARIATIONS OF A WORD. FOR EXAMPLE, "MOD" MAY MEAN MODIFY OR MODIFICATION, "INC" MAY MEAN INCLUDED OR INCLUDING, AND "REINF" MAY MEAN REINFORCE OR REINFORCING.
4. SEE INSTRUMENTATION AND GENERAL LEGEND SHEETS FOR PROJECT-SPECIFIC EQUIPMENT AND PIPING SYSTEM ABBREVIATIONS.

A/C	AIR CONDITIONING
A/E	ARCHITECT/ENGINEER
A	AMPERE
AB	ANCHOR BOLT
ABAN	ABANDON
ABC	AGGREGATE BASE COURSE
ABT	ABOUT
AC	ALTERNATING CURRENT
ACK	ACKNOWLEDGE
ACP	ACOUSTIC CEILING PANEL, ASPHALTIC CONCRETE PAVEMENT
ACST	ACOUSTIC
AD	ADDENDUM, AREA DRAIN
ADDL	ADDITIONAL
ADH	ADHESIVE
ADJ	ADJUSTABLE, ADJACENT
AF	AMP FRAME, AMP FUSE
AFF	ABOVE FINISH FLOOR
AFG	ABOVE FINISH GRADE
AGGR	AGGREGATE
AI	AREA INLET, ANALOG INPUT
AIC	AMPS INTERRUPTING CAPACITY
ALIG	ALIGNMENT
ALT	ALTERNATE, ALTITUDE
ALUM	ALUMINUM
AM	ACOUSTICAL MATERIAL
AMB	AMBIENT
ANC	ANCHOR
AO	ANALOG OUTPUT
AP	ACCESS PANEL
APRX	APPROXIMATE
APVD	APPROVED
ARCH	ARCHITECTURAL
ASSY	ASSEMBLY
AT	ACOUSTICAL TILE, AMP TRIP
ATC	ACOUSTICAL TILE CEILING
ATM	ATMOSPHERE
AUTO	AUTOMATIC
AUX	AUXILIARY
AVE	AVENUE
AVG	AVERAGE
AWG	AMERICAN WIRE GAGE
AWT	ACOUSTICAL WALL TILE
B TO B	BACK TO BACK
BAL	BALANCE
BBD	BULLETIN BOARD
BC	BASE CABINET, BOTTOM CHORD, BOLT CENTER, BOLT CIRCLE
BD	BOARD
BE	BOTH ENDS, BELL END
BF	BOTH FACES, BOTTOM FACE, BLIND FLANGE, BOARD FEET
BITUM	BITUMINOUS
BKG	BACKING
BL	BASE LINE
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BENCHMARK, BEAM
BOC	BACK OF CURB
BOD	BOTTOM OF DUCT
BOG	BOTTOM OF GRILLE
BOL	BOTTOM OF LOUVER, BOLLARD
BOP	BOTTOM OF PIPE
BOR	BOTTOM OF REGISTER
BOT	BOTTOM
BOU	BOTTOM OF UNIT
BP	BASE PLATE
BRG	BEARING
BRGP	BEARING PLATE
BRKT	BRACKET
BS	BOTH SIDES
BTU	BRITISH THERMAL UNIT
BTW	BETWEEN
BTWLD	BUTT WELD
BU	BELL UP, BUILT-UP
BUR	BUILT-UP ROOFING
BW	BOTH WAYS
BYP	BYPASS
CTOC	CENTER TO CENTER
C&G	CURB AND GUTTER
C	CHANNEL SHAPE, CENTIGRADE, CONDUIT
CAB	CABINET
CAP	CAPACITY
CAT	CATALOG, CATEGORY
CAV	CAVITY
CB	CATCH BASIN
CCB	CONCRETE BLOCK
CCW	COUNTER CLOCKWISE
CDF	CONTROLLED-DENSITY FILL
CE	CONCRETE EDGE
CER	CERAMIC
CF	CUBIC FEET (FOOT)
CFL	COUNTER FLASHING
CHBD	CHALKBOARD
CHD	CHORD
CHFR	CHAMFER
CHH	COMMUNICATION HANDHOLE
CI	CURB INLET
CIP	CAST-IN-PLACE
CIPB	CONCRETE INTERLOCKING PAVER BALLAST
CIRC	CIRCULATION, CIRCULAR
CJ	CONSTRUCTION JOINT
CKT	CIRCUIT
CL	CENTERLINE, CLASS, CLOSE
CLG	CEILING
CLKG	CAULKING
CLR	CLEAR
CMH	COMMUNICATION MANHOLE
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT, CONCRETE OPENING
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMM	COMMUNICATION
COMP	COMPOSITION, COMPRESSIBLE, COMPOSITE
CON	CONCENTRIC
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COOR	COORDINATE
CORR	CORROSIVE, CORRUGATED
CP	CHECKER PLATE, CONTROL POINT
CPLG	COUPLING
CRL	CORROSION-RESISTANT LINING
CSC	COMPRESSION SLEEVE COUPLING
CSK	COUNTERSINK
CSS	CLINIC SERVICE SINK
CT	CERAMIC TILE
CTJ	CONTRACTION JOINT
CTR	CENTER
CTRL	CONTROL
CVT	CULVERT
CU	COPPER, CUBIC
CW	CLOCKWISE
CY	CUBIC YARD
d	PENNY (NAIL MEASURE)
D	DEEP, DIFFUSER, DRAIN
DB	DUCT BANK, DECIBEL, DRY BULB
DBA	DEFORMED BAR ANCHOR
DBL	DOUBLE
DC	DIRECT CURRENT
DEG	DEGREE
DEG C	DEGREE CENTIGRADE
DEG F	DEGREE FAHRENHEIT
DEMO	DEMOLITION
DEP	DEPRESSED
DEPT	DEPARTMENT
DET	DETAIL
DI	DROP INLET, DUCTILE IRON, DIGITAL INPUT
DIA	DIAMETER
DIAG	DIAGONAL, DIAGRAM
DIFF	DIFFERENTIAL, DIFFERENCE
DIM	DIMENSION
DISCH	DISCHARGE
DIST	DISTANCE, DISTRIBUTION
DIV	DIVISION
DL	DEAD LOAD
DMJ	DOUBLE MECHANICAL JOINT
DMPF	DAMP PROOFING
DN	DOWN
DO	DISSOLVED OXYGEN, DIGITAL OUTPUT, DITTO
DP	DEPTH
DPDT	DOUBLE POLE, DOUBLE THROW
DPST	DOUBLE POLE, SINGLE THROW
DS	DOWN SPOUT
DT	DOUBLE TEE, DRIP TRAP ASSEMBLY
DUP	DUPLICATE
DWG	DRAWING
DWL	DOWEL
DWR	DRAWER
E	EAST
EA	EACH, EXHAUST AIR
EC	ELECTRICAL CONTRACTOR
ECC	ECCENTRIC
ED	EQUIPMENT DRAIN
EDB	ELECTRICAL DUCT BANK
EE	EACH END
EF	EACH FACE
EFF	EFFLUENT, EFFICIENCY
EHH	ELECTRICAL HANDHOLE
EIFS	EXTERIOR INSULATION & FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELBOW, ELEVATION
ELEC	ELECTRICAL
EMBD	EMBEDDED
EMER	EMERGENCY
EMH	ELECTRICAL MANHOLE
ENCL	ENCLOSURE
ENGR	ENGINEER
ENTR	ENTRANCE
EOP	EDGE OF PAVEMENT
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ES	EACH SIDE, EQUAL SPACE, EMERGENCY SHOWER
ESEW	EMERGENCY SHOWER AND EYE WASH
EST	ESTIMATE
EW	EACH WAY, EMERGENCY EYE/FACE WASH
EWC	ELECTRIC WATER COOLER
EWEF	EACH WAY, EACH FACE
EWTB	EACH WAY, TOP AND BOTTOM
EXC	EXCAVATION
EXH	EXHAUST
EXP	EXPANSION, EXPOSED
EXST	EXISTING
EXT	EXTERIOR, EXTERNAL, EXTENSION
F TO F	FACE TO FACE
F&B	FACE AND BYPASS
FAB	FABRICATE
FB	FLOOR BEAM
FBD	FIBERBOARD
FBG	FIBERGLASS
FBM	BOARD FOOT MEASURE
FBO	FURNISHED BY OWNER
FC	FLUSHING CONNECTION
FCA	FLANGED COUPLING ADAPTER
FD	FLOOR DRAIN
FDC	FLEXIBLE DUCT CONNECTION
FDR	FEEDER
FDTN	FOUNDATION
FE	FLANGED END
FEC	FIRE EXTINGUISHER CABINET
FES	FLARED END SECTION
FEXT	FIRE EXTINGUISHER
FF	FAR FACE, FACTORY FINISH, FLAT FACE
FG	FINISHED GRADE
FH	FIRE HYDRANT
FIG	FIGURE
FIN	FINISH
FJT	FLUSH JOINT
FL	FLOW, FLOW LINE
FLEX	FLEXIBLE
FLG	FLANGE
FLOR	FLUORESCENT
FLR	FLOOR
FLS	FLASHING, FLUSH
FN	FENCE
FO	FINISHED OPENING
FOB	FLAT ON BOTTOM
FOC	FACE OF CONCRETE, FACE OF CURB
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUDS
FOT	FLAT ON TOP
FPT	FEMALE PIPE THREAD
FR	FRAME
FRP	FIBERGLASS REINFORCED PLASTIC
FRTM	FIRE RETARDANT TREATED MATERIAL
FS	FLOOR SINK, FAR SIDE
FT	FEET, FOOT
FTG	FOOTING, FITTING
FUR	FURRED, FURRING
FURN	FURNITURE, FURNISH
FUT	FUTURE
FV	FACE VELOCITY
FW	FIELD WELD, FIRE WALL
FWD	FORWARD
FWE	FURNISHED WITH EQUIPMENT
FXTR	FIXTURE
G	GRILLE, GROUND
GA	GAGE (METAL THICKNESS)
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR, GRADE BREAK
GC	GROOVED COUPLING
GD	GUARD
GEN	GENERAL
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFMU	GROUND FACE MASONRY UNIT
GG	GUTTER GRADE
GJ	GROOVED JOINT
GL	GLASS
GLB	GLASS BLOCK, GLULAM BEAM
GND	GROUND
GP	GUY POLE
GR	GRADE
GRTG	GRATING
GSB	GYPSUM SHEATHING BOARD
GT	GREASE TRAP
GVL	GRAVEL
GW	GUY WIRE
GWB	GYPSUM WALLBOARD
GYP	GYPSUM HARDBOARD
H	HIGH
HB	HOSE BIBB
HBD	HARDBOARD
HC	HANDICAPPED, HOLLOW CORE, HORIZONTAL CURVE, HORIZONTAL CENTERLINE
HD	HEAD, HOT DIP
HDR	HEADER
HDW	HARDWARE
HEX	HEXAGONAL
HGR	HANGER
HH	HANDHOLE
HID	HIGH-INTENSITY DISCHARGE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HP	HIGH POINT, HORSEPOWER
HPC	HORIZONTAL POINT OF CURVATURE
HPS	HIGH-PRESSURE SODIUM
HPT	HORIZONTAL POINT OF TANGENCY
HR	HOSE REEL, HOUR
HS	HEADED STUD, HIGH STRENGTH
HSS	HOLLOW STRUCTURAL SHAPE
HT	HEIGHT
HTG	HEATING
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HWD	HARDWOOD
HWL	HIGH WATER LEVEL
HYD	HYDRAULIC
HZ	HERTZ, CYCLES PER SECOND
ID	INSIDE DIAMETER, INTERIOR DIMENSION
IE	INVERT ELEVATION, FOR EXAMPLE
IF	INSIDE FACE
IH	INTAKE HOOD
IMP	IMPACT
IN	INCH
INC	INCLUDE, INCANDESCENT
INF	INFLUENT
INSTR	INSTRUMENTATION
INSUL	INSULATION
INT	INTERIOR, INTERSECTION
INTR	INTERMEDIATE, INTERIOR
INV	INVERT
IPS	IRON PIPE SIZE
IPT	INTERNAL PIPE THREAD
IR	INSIDE RADIUS, IRON ROD
IRR	IRRIGATION
ISO	ISOMETRIC
JB	JUNCTION BOX
JCT	JUNCTION
JF	JOINT FILLER
JST	JOIST
JT	JOINT
K	KIP
KB	KNEE BRACE
KCMIL	THOUSAND CIRCULAR MILS
KD	KNOCK DOWN
KO	KNOCK OUT
KSI	KIPS PER SQUARE INCH
KW	KILOWATT
L	ANGLE, LENGTH, LAVATORY, LINTEL
LAD	LADDER
LAM	LAMINATE
LATL	LATERAL
LB	LAG BOLT, POUND
LCTB	LIQUID CHALK AND TACK BOARD
LDG	LANDING
LDR	LEADER
LE	LIFTING EYE
LF	LINEAR FOOT
LG	LONG
LH	LEFT HAND
LIN	LINEAR
LIQ	LIQUID
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LMLU	LIQUID MARKER LECTURE UNIT
LNG	LONGITUDINAL
LOC	LOCATION
LP	LOW POINT
LPS	LOW-PRESSURE SODIUM
LR	LONG RADIUS
LT	LEFT
LTD	LIMITED
LTG	LIGHTING
LTL	LINTEL
LTNG	LIGHTNING
LV	LOW VOLTAGE
LVL	LAMINATED VENEER LUMBER
LVR	LOUVER
LW	LIGHTWEIGHT
LWC	LIGHTWEIGHT CONCRETE
LWL	LOW WATER LEVEL
MA	MIXED AIR
MACH	MACHINED
MAINT	MAINTENANCE
MAN	MANUAL
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MBR	MEMBER
MC	MECHANICAL CONTRACTOR, MECHANICAL COUPLING, MOMENT CONNECTION
MCB	METAL CORNER BEAD
MCJ	MASONRY CONTROL JOINT
MDMJ	MODIFIED DOUBLE MECHANICAL JOINT
MECH	MECHANICAL
MED	MEDIUM
MFR	MANUFACTURER
MH	MANHOLE, METAL HALIDE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MJ	MECHANICAL JOINT
ML	MASONRY LINTEL
MLO	MAIN LUGS ONLY
MMB	MEMBRANE
MO	MASONRY OPENING
MOD	MODULAR, MODIFY
MON	MONUMENT
MPT	MALE PIPE THREAD
MRGWB	MOISTURE-RESISTANT GYPSUM WALLBOARD
MS	MOP SINK
MSL	MEAN SEA LEVEL
MT	MOUNT
MU	MASONRY UNIT
MULL	MULLION
MV	MEDIUM VOLTAGE
MW	MONITORING WELL
N	NORTH, NEUTRAL
NA	NOT APPLICABLE
NAT	NATURAL, NATIONAL
NC	NORMALLY CLOSED
NEG	NEGATIVE
NF	NEAR FACE, NON-FUSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN, NUMBER
NOM	NOMINAL
NPS	NOMINAL PIPE SIZE
NPT	NATIONAL PIPE THREAD
NS	NEAR SIDE
NTS	NOT TO SCALE
NWL	NORMAL WATER LEVEL
O TO O	OUT TO OUT
OA	OUTSIDE AIR, OVERALL
OC	ON CENTER
OCPD	OVER CURRENT PROTECTION DEVICE
OD	OUTSIDE DIAMETER
OED	OPEN END DUCT
OF	OUTSIDE FACE, OFFICE FURNISHING
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OG	ORIGINAL GROUND
OH	OVERHEAD
OPNG	OPENING
OPP	OPPOSITE
OPT	OPTIONAL
OR	OUTSIDE RADIUS
ORD	OVERFLOW ROOF DRAIN
ORIG	ORIGINAL
OVFL	OVERFLOW
OVHG	OVERHANG
OZ	OUNCE
P	PAINT
PA	PUBLIC ADDRESS
PAR	PARALLEL, PARAPET
PB	PANIC BAR, PULL BOX
PBD	PARTICLE BOARD
PC	POINT OF CURVE, PIECE, PRECAST
PCC	POINT OF COMPOUND CURVATURE
PCF	POUNDS PER CUBIC FOOT
PCT	PERCENT
PE	PLAIN END
PED	PEDESTAL
PEN	PENETRATION
PERF	PERFORATED
PERM	PERMANENT
PERP	PERPENDICULAR
PF	POWER FACTOR
PFMU	PREFACED MASONRY UNIT
PH	PHASE
PI	POINT OF INTERSECTION
PKG	PACKAGE
PL	PLATE, PROPERTY LINE, PRECAST LINTEL
PLAS	PLASTER
PLAT	PLATFORM
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PNEU	PNEUMATIC
POL	POLISH
POS	POSITIVE, POSITION
PP	POLYPROPYLENE, POWER POLE
PRC	POINT OF REVERSE CURVATURE
PREF	PREFINISHED
PREFAB	PREFABRICATED
PRELIM	PRELIMINARY
PREP	PREPARE
PRES	PRESSURE
PRI	PRIMARY
PROP	PROPERTY, PROPOSED
PROT	PROTECTION
PS	PIPE SUPPORT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	POUNDS PER SQUARE INCH ABSOLUTE
PSIG	POUNDS PER SQUARE INCH GAGE
PST	PRESTRESSED
PT	POINT, POINT OF TANGENCY
PTN	PARTITION
PVC	POLYVINYL CHLORIDE, POINT OF ERTICAL CURVE
PVC-RGS	PVC COATED RGS
PVMT	PAVEMENT
PWD	PLYWOOD
PWJ	PLYWOOD WEB JOIST
PZ	PIEZOMETER
Q	RATE OF FLOW
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
QUAL	QUALITY
R&R	REMOVE AND REPLACE
R&S	REMOVE AND SALVAGE
R	RADIUS, REGISTER, RISER
RA	RETURN AIR
RB	RESILIENT BASE, ROCK BERM
RCPT	RECEPTACLE
RD	ROOF DRAIN
REC	RECESS
RECD	RECEIVED
RECT	RECTANGULAR
RED	REDUCER
REF	REFERENCE
REINF	REINFORCING
REM	REMOVE
REQD	REQUIRED
RESIL	RESILIENT
RET	RETAINING, RETURN
REV	REVISION, REVERSE
RF	RESILIENT FLOORING
RFG	ROOFING
RFL	REFLECTED, REFLECTOR
RGH	ROUGH
RGS	RIGID GALVANIZED STEEL
RH	RELIEF HOOD, RIGHT HAND, RELATIVE HUMIDITY
RL	REQUIRED LAP
RLFA	RELIEF AIR
RND	ROUND
RNG	RUNNING
RO	ROUGH OPENING
ROW	RIGHT-OF-WAY
RPM	REVOLUTIONS PER MINUTE
RR	RAILROAD
RSP	RIPRAP, ROCK SLOPE PROTECTION
RT	RIGHT
RVT	RESILIENT VINYL TILE
RY	READY
S	SOUTH, SINK
SA	SUPPLY AIR
SAMU	SOUND-ABSORBING MASONRY UNIT
SAN	SANITARY
SB	SPLASH BLOCK
SC	SOLID CORE
SCH	SCHEDULE
SCHEM	SCHEMATIC
SCN	SCREEN
SE	STEEL/ALUMINUM EDGE
SEC	SECONDARY, SECONDS
SECT	SECTION
SEP	SEPARATE
SF	SQUARE FOOT, SILT FENCE
SG	SHEET GLASS, SEALANT GROOVE
SH	SHOWER
SHT	SHEET
SHTG	SHEATHING
SIL	SILENCE
SIM	SIMILAR
SJ	SLAB JOINT
SL	SLOPE, STEEL LINTEL
SLTD	SLOTTED
SLV	SLEEVE
SMLS	SEAMLESS
SOG	SLAB ON GRADE
SP	SOUNDPROOF, STANDPIPE
SPA	SPACING
SPEC	SPECIFICATION
SPLY	SUPPLY
SPST	SINGLE POLE SINGLE THROW
SPT	SET POINT
SQ	SQUARE
SR	SHORT RADIUS
SS	SERVICE SINK
SST	STAINLESS STEEL
ST	STREET
STA	STATION
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STOR	STORAGE
STR	STRUCTURAL, STRAIGHT
SUB	SUBSTITUTE
SUC	SUCTION
SUSP	SUSPENDED
SY	SQUARE YARD
SYM	SYMBOL
SYMM	SYMMETRICAL
SYN	SYNTHETIC
SYS	SYSTEM
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T	TILE, TREAD
TA	TOILET ACCESSORY, TEMPERED AIR
TAN	TANGENT
TBM	TEMPORARY BENCHMARK
TCE	TEMPORARY CONSTRUCTION EASEMENT
TEF	TROWELED EPOXY FLOORING
TEMP	TEMPORARY, TEMPERATURE
THD	THREAD
THK	THICK
THRESH	THRESHOLD
TKBD	TACK BOARD
TOB	TOP OF BOLT, TOP OF BANK, TOP OF BEAM, TOP OF BERM
TOC	TOP OF CURB, TOP OF CONCRETE
TOD	TOP OF DUCT
TOF	TOP OF FOOTING
TOG	TOP OF GRATING
TOL	TOLERANCE, TOP OF LEDGER
TOM	TOP OF MASONRY
TOP	TOP OF PLATE
TOPO	TOPOGRAPHY
TOS	TOP OF SLAB, TOP OF STEEL, TOE OF SLOPE
TOW	TOP OF WALL
TP	TOILET PARTITION, TELEPHONE POLE, TOE PLATE, TRAP PRIMER
TPD	TOILET PAPER DISPENSER
TPG	TOPPING, THROUGH PLATE GIRDER
TR	TRANSOM
TRANS	TRANSITION
TRD	TRENCH DRAIN
TYP	TYPICAL
U	URINAL
UG	UNDERGROUND
ULT	ULTIMATE
UNFN	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
V	VENT, VELOCITY, VOLT
VA	VOLT AMPERE
VAC	VACUUM
VAR	VARNISH, VARIABLE, VOLT AMPERES REACTIVE
VB	VAPOR BARRIER, VINYL BASE, VALVE BOX
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
VCT	VINYL COMPOSITION TILE, VERTICAL CENTERLINE
VEL	VELOCITY
VENT	VENTILATION
VERT	VERTICAL
VERTS	VERTICAL REINFORCING
VG	VERTICAL GRAIN
VIF	VERIFY IN FIELD
VIN	VINYL
VOL	VOLUME
VPC	VERTICAL POINT OF CURVATURE
VPI	VERTICAL POINT OF INTERSECTION
VPT	VERTICAL POINT OF TANGENCY
VS	VERSUS, VAPOR SEAL
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W/	WITH
W/O	WITHOUT
W	WATT, WEST, WIDE, WINDOW, WIRE, WIDE FLANGE BEAM
WB	WOOD BASE
WC	WATER CLOSET, WATER COLUMN
WD	WOOD, WIDTH
WF	WIDE FLANGE, WASH FOUNTAIN
WG	WIRE GLASS, WATER GAGE
WH	WALL HYDRANT, WEEP HOLE
WI	WROUGHT IRON
WL	WATER LEVEL
WLD	WELDED
WM	WIRE MESH
WP	WEATHERPROOF
WS	WATERSTOP, WATER SURFACE
WSCT	WAINSCOT
WT	WEIGHT, WATER TIGHT
WTHP	WATERPROOF, WORKING POINT
WWF	WELDED WIRE FABRIC
XP	EXPLOSION-PROOF
XS	EXTRA STRONG
XSECT	CROSS SECTION
XXS	DOUBLE EXTRA STRONG
YH	YARD HYDRANT
YS	YIELD STRENGTH

ISSUE	DATE	DESCRIPTION
A	07/2024	ISSUED FOR PROJECT BID

PROJECT MANAGER	JAROD C. LIMKE
ELECTRICAL	J. HUCKENPAHLER
I&C	C. OPPEGARD
CIVIL	M. JARRETT
DRAWN BY	E. PAZ
PROJECT NUMBER	10348601

COLORADO LICENSED JAROD C. LIMKE 51505 PROFESSIONAL ENGINEER 2024-07-11

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

GENERAL ABBREVIATIONS

0 1" 2"

FILENAME

SCALE NONE

SHEET 00G- 342

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MATERIALS IN PLAN/SECTION

FILLED REGIONS - MATERIALS
"MATERIAL" FILLED REGIONS ARE DRAFTING HATCH PATTERNS THAT REPRESENTS AN ACTUAL MATERIAL OR PRODUCT.

- MATERIAL - BITUMINOUS PAVING (ASPHALT)
- MATERIAL - CONCRETE - ARCHITECTURE PRECAST WALL PANEL
- MATERIAL - CONCRETE - ARCHITECTURAL PRECAST WALL PANEL
- MATERIAL - CONCRETE - CAST-IN-PLACE
- MATERIAL - CONCRETE - GLASS FIBER REINFORCED
- MATERIAL - CONCRETE - LIGHTWEIGHT
- MATERIAL - CONCRETE - STRUCTURAL
- MATERIAL - EFIS
- MATERIAL - FILL - COURSE - CRUSHED STONE
- MATERIAL - FILL - FINE - GRAVEL
- MATERIAL - FILL - FINE - SAND
- MATERIAL - FILL - MEDIUM - GRAVEL
- MATERIAL - FILTER POINT MAT - PLAN
- MATERIAL - FIREPROOFING - MINERAL WOOL
- MATERIAL - FIREPROOFING - SEALANT
- MATERIAL - FIREPROOFING - SPRAY-APPLIED
- MATERIAL - FLOOR - CARPET - STYLE 1
- MATERIAL - FLOOR - CARPET - STYLE 2
- MATERIAL - FLOOR - TERRAZZO - STYLE 1
- MATERIAL - FLOOR - TERRAZZO - STYLE 2
- MATERIAL - GLAZING
- MATERIAL - GLAZING - SPANDREL
- MATERIAL GRATING - PLAN
- MATERIAL GRATING - SECTION
- MATERIAL - GROUT
- MATERIAL - GYPSUM - PLASTER
- MATERIAL - GYPSUM - WALLBOARD
- MATERIAL - INSULATION - BATTING - SECTION
- MATERIAL - INSULATION - RIGID FOAM
- MATERIAL - MASONRY - BRICK
- MATERIAL - MASONRY - CMU
- MATERIAL - MASONRY - DOLMITE
- MATERIAL - MASONRY - MORTAR
- MATERIAL - MASONRY - STRUCTURAL CLAY TILE
- MATERIAL - METAL - ALUMINUM
- MATERIAL - METAL - CHECKERED PLATE - PLAN
- MATERIAL - METAL - ORNAMENTAL
- MATERIAL - METAL - STEEL
- MATERIAL - PLASTER STUCCO
- MATERIAL - PLASTIC
- MATERIAL - RESILIENT TILE
- MATERIAL - RIPRAP - PLAN AND/OR SECTION
- MATERIAL - SEALANT - ACOUSTICAL
- MATERIAL - SEALANT - FIRE SEALANT
- MATERIAL - SOD - SECTION
- MATERIAL - SOILD - COMPACTED - EARTH
- MATERIAL - SOILD - COMPACTED - FINE
- MATERIAL - SOIL - UNDISTURBED - FINE
- MATERIAL - SOIL - UNDISTURBED - EARTH
- MATERIAL - STONE - CAST
- MATERIAL - STONE - CUT FINISHED
- MATERIAL - SYSTEM - DRAINABLE EXTERIOR INSULATION AND FINISH
- MATERIAL - TERRAZZO - 1
- MATERIAL - TERRAZZO - 2
- MATERIAL - TILE - PORCELAIN
- MATERIAL - WEEP JOINT MORTAR PROTECTION SYSTEM - SECTION
- MATERIAL - WOOD - FINISH - COURSE GRAIN
- MATERIAL - WOOD - FINISH - FINE GRAIN
- MATERIAL - WOOD - FINISH VERTICAL GRAIN
- MATERIAL - WOOD FLOORING
- MATERIAL - WOOD - GLULAM
- MATERIAL - WOOD - MDF
- MATERIAL - WOOD - PARTICLE BOARD
- MATERIAL - WOOD - PLYWOOD
- MATERIAL - WOOD - CONTINUOUS - SECTION
- MATERIAL - WOOD - BLOCKING - SECTION

Filled Regions - Graphics
GRAPHIC FILLED REGIONS ARE DRAFTING HATCH PATTERNS THAT ARE A SIMPLE GRAPHIC PATTERN AND DOES NOT REPRESENT A MATERIAL OR PRODUCT.

- MATERIAL - RESILIENT SHEET
- GRAPHIC - CONTRACT LIMIT - NOT-IN-CONTRACT

Filled Regions - Surface
SURFACE FILLED REGIONS ARE MODELING HATCH PATTERNS THAT RESPRESENT A MATERIAL OR PRODUCT AS RESPRESENTED ON A VERTCIAL OR HORIZONTAL SURFACE.

Ceiling Tiles

- SURFACE - CEILING TILE - 24" x 24"
- SURFACE - CEILING TILE - 24" x 24" - DEMO
- SURFACE - CEILING TILE - 24" x 48"
- SURFACE - CEILING TILE - 24" x 48" - DEMO
- SURFACE - CEILING TILE - 24" x 72"
- SURFACE - CEILING TILE - 24" x 72" - DEMO
- SURFACE - CEILING TILE - 48" x 48"
- SURFACE - CEILING TILE - 48" x 48" - DEMO
- SURFACE - CEILING - ACOUSTICAL TILE - SECTION

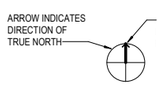
Masonry

- SURFACE - MASONRY - BRICK - MODULAR - RUNNING BOND
- SURFACE - MASONRY - CMU - 8" x 16" - RUNNING BOND
- SURFACE - MASONRY - CMU - 8" x 16" - STACKED BOND

Metals

- SURFACE - ENTRANCE GRID - 65 MM

GENERAL SYMBOLOGY



NORTH ARROW

PLAN TITLE ON SHEET

DETAIL

FOR REFERENCING DETAILS INCLUDED IN DRAWING SET.
1. DETAIL NUMBER
2. SHEET WHERE DETAIL IS LOCATED *

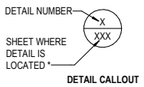
SECTION

1. SECTION NUMBER
2. SHEET WHERE SECTION VIEW IS FIRST CUT *

ELEVATION

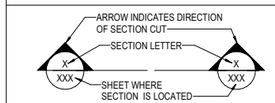
1. ELEVATION IDENTIFICATION NUMBER
2. SHEET WHERE POINT OF VIEW MARKER CAN BE FOUND *

SECTION, DETAIL, ELEVATION TITLE

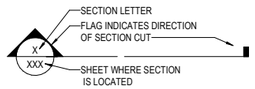


DETAIL CALLOUT

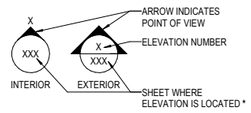
FOR REFERENCING DETAILS INCLUDED IN DRAWING SET.



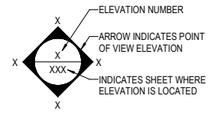
FULL BUILDING SECTION CUT MARKER



SECTION CUT MARKER



SINGLE ELEVATION OR PHOTO MARKER



MULTIPLE ELEVATION OR PHOTO MARKER

TARGET ELEVATION MARKER

* EXCEPTIONS WHERE THE SHEET NUMBER IS REPLACED BY A DASH (-)

1. FOR COMMON DETAILS, SECTIONS, ELEVATIONS OR DETAILS THAT ARE CUT OR CALLED OUT ON MULTIPLE SHEETS.
2. SECTIONS, ELEVATIONS OR DETAILS THAT ARE LOCATED ON THE SAME SHEET THEY ARE CUT OR CALLED OUT ON.

GENERAL TAGGING

ROOM/SPACE NAME XX-XX — ROOM OR SPACE

XXX — DOOR

DOOR MARK / STAIR: XXX | XXX / XXXX | XXXX — FIRE DOOR/STAIR

A — NEW COLUMN GRID BUBBLE

A — EXISTING COLUMN GRID BUBBLE

X — WALL TYPE

X — CURTAIN WALL

X — WINDOW TYPE

X — ACCESSORY, FURNITURE, AND MISCELLANEOUS EQUIPMENT IDENTIFIER

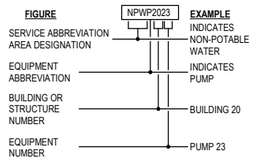
KEYNOTE NUMBER — X — LOUVER TYPE

— SHEET KEYNOTE

— REVISION DELTA

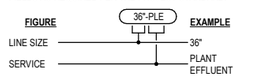
EQUIPMENT IDENTIFICATION

NOTE: THE BELOW EQUIPMENT TAG IS AN EXAMPLE ONLY. MODIFY FIELDS AS REQUIRED PER THE PROJECT STANDARD.

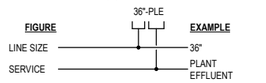


PIPING

NOTE: THE BELOW PIPE TAG IS AN EXAMPLE ONLY. MODIFY FIELDS AS REQUIRED PER THE PROJECT STANDARD.



PIPING (ALTERNATE)



GENERAL LINE STYLES

- 4-HOUR FIRE RATED WALL
- 3-HOUR FIRE RATED WALL
- 2-HOUR FIRE RATED WALL
- 1-HOUR FIRE RATED WALL
- COLUMN GRID LINE
- CENTERLINE
- CONTRACT LIMIT
- ELEVATION LINE
- MATCHLINE
- PROPERTY LINE

SHEET NAMING CONVENTION

AREA DESIGNATION

TO BE EDITED ON AN A PROJECT BASIS. TO BE DETERMINED BY THE PROJECT MANAGER, THEN ADDED TO THE GENERAL LEGEND.

EXAMPLE:
01 BUILDING OR AREA NAME
02 BUILDING OR AREA NAME
03 BUILDING OR AREA NAME

SINGLE DISCIPLINE DESIGNATOR & DISCIPLINE ORDER*

G	GENERAL
X	DEMOLITION/HAZAROUS MATERIAL
V	SURVEYING/MAPPING
B	GEOTECHNICAL
C	CIVIL
L	LANDSCAPE
S	STRUCTURAL
A	ARCHITECTURAL
I	INTERIORS
Q	EQUIPMENT
F	FIRE PROTECTION
P	PLUMBING
D	PROCESS
M	MECHANICAL
E	ELECTRICAL
W	DISTRIBUTED ENERGY
T	TELECOMMUNICATIONS
R	RESOURCE
U	UNIVERSAL/OTHER DISCIPLINES
Y	INSTRUMENTATION & CONTROLS
Z	CONTRACTOR/SHOP DRAWINGS
O	OPERATIONS

DOUBLE LETTER DESIGNATOR*

SEE LINKED NCS DOCUMENT:

\\intranet.hdr\hdr\Engi\ECGCADStandards\BIM\Autodesk\Common \Documentation\NCS_Discipline_Designators.pdf

SHEET TYPE DESIGNATOR

0	GENERAL (SYMBOLS, LEGENDS)
1	PLANS
2	ELEVATIONS
3	SECTIONS
4	LARGE SCALE VIEWS
5	DETAILS
6	SCHEDULES AND DIAGRAMS
7	OTHER VIEWS

*NCS ALLOWS THE COMBINED USE OF BOTH SINGLE AND DOUBLE LETTER DISCIPLINE DESIGNATORS WITHIN A PROJECT.

EXAMPLE 1 (WITH BUILDING SERIES, SINGLE LETTER DESIGNATOR)

GRAVITY THICKENER STRUCTURAL FOUNDATION PLAN, DRAWING 01

0	2						BUILDING OR AREA 02
BUILDING OR AREA DESIGNATION							
		S	-				STRUCTURAL
DISCIPLINE DESIGNATOR							
				1			PLAN
SHEET TYPE DESIGNATOR							
					0	1	SHEET 01
SHEET NUMBER							
0	2	S	-	1	0	1	EXAMPLE

EXAMPLE 2 (WITH BUILDING SERIES, DOUBLE LETTER DESIGNATOR)

GRAVITY THICKENER STRUCTURAL FOUNDATION PLAN, DRAWING 01

0	2						BUILDING OR AREA 02
BUILDING OR AREA DESIGNATION							
		S	B				STRUCTURAL
DISCIPLINE DESIGNATOR							
				1			PLAN
SHEET TYPE DESIGNATOR							
					0	1	SHEET 01
SHEET NUMBER							
0	2	S	B	1	0	1	EXAMPLE

EXAMPLE 3 (NO BUILDING SERIES, DOUBLE LETTER DESIGNATOR)

GRAVITY THICKENER STRUCTURAL FOUNDATION PLAN, DRAWING 01

							BUILDING OR AREA (LEFT BLANK)
BUILDING OR AREA DESIGNATION (LEFT BLANK)							
		S	B				STRUCTURAL
DISCIPLINE DESIGNATOR							
				1			PLAN
SHEET TYPE DESIGNATOR							
					0	1	SHEET 01
SHEET NUMBER							
		S	B	1	0	1	EXAMPLE

FIRE & LIFE SAFETY

GENERA

1. THIS IS A STANDARD SHEET DRAWING COMMON TO ALL PROJECTS. ALL SYMBOLS ARE NOT NECESSARILY USED ON THIS PROJECT.
2. SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.

ISSUE	DATE	DESCRIPTION
A	07/2024	ISSUED FOR PROJECT BID

PROJECT MANAGER	JAROD C. LIMKE
ELECTRICAL	J. HUCKENPAHLER
I&C	C. OPPEGARD
CIVIL	M. JARRETT
DRAWN BY	E. PAZ
PROJECT NUMBER	10348601

COLORADO LICENSED JAROD COLE LIMKE 51505 PROFESSIONAL ENGINEER 2024-07-11

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

GENERAL
GENERAL LEGEND

0 1" 2"

FILENAME

SCALE NONE

SHEET 00G-343

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PRIMARY ELEMENT SYMBOLOGY

- ORIFICE PLATE
- PITOT TUBE OR ANNUBAR
- FI — ROTOMETER
- SONIC OR ULTRASONIC FLOWMETER
- M — MAGNETIC FLOWMETER
- FI — MASS DISPERSION FLOWMETER
- FLUME
- WEIR
- PROPELLER OR TURBINE METER
- VENTURI TUBE
- VENTURI FLUME
- FLOAT SWITCH
- TE — TEMPERATURE ELEMENT WITH THERMOWELL
- FG — SIGHT FLOW GLASS

LINE TYPES

- MAIN PROCESS LINE
- SECONDARY PROCESS LINE
- AUXILIARY PROCESS LINE
- DIRECTION OF FLOW
- PNEUMATIC SIGNAL
- ELECTRICAL SIGNAL
- HYDRAULIC SIGNAL
- SOFTWARE OR DATA LINK
- SIGNAL CONNECTION
- CROSSOVER - NO CONNECTION
- CAPILLARY

CROSS REFERENCE SYMBOLOGY

X | YYYYYYY — CONTINUATION TO THE RIGHT
Z

YYYYYYY | X — CONTINUATION TO THE LEFT
Z

TEXT
X = CONNECTOR NUMBER
Y = SHEET CONTINUATION
Z = TO/FROM DESCRIPTION

INSTRUMENT SYMBOLOGY

- LOCALLY MOUNTED FIELD INSTRUMENTATION
- MOUNTED ON PANEL FRONT
- MOUNTED INSIDE PANEL
- XXX — FRONT PANEL MOUNTED ON AUXILIARY PANEL (SUBSCRIPT INDICATES PANEL)
- MOUNTED INSIDE AUXILIARY PANEL
- PILOT LIGHT
- INSTRUMENT FUNCTIONS SHARING COMMON HOUSING
- COMPLEX INTERLOCK AS DEFINED IN CONTROL DIAGRAM OR IN SPECIFICATIONS
- SHARED DISPLAY, SHARED CONTROL, FIELD MOUNTED
- SHARED DISPLAY, SHARED CONTROL, PRIMARY LOCATION - NORMALLY ACCESSIBLE TO OPERATOR
- PROGRAMMABLE LOGIC CONTROL, PRIMARY LOCATION - NORMALLY ACCESSIBLE TO OPERATOR
- PROGRAMMABLE LOGIC CONTROL, FIELD MOUNTED

CONTROL SWITCH NOTATION ABBREVIATIONS

XXX / XXXX

ACK	ACKNOWLEDGE
ESTOP	EMERGENCY STOP
FAIL	FAILURE
FOR	FORWARD-OFF-REVERSE
FR	FORWARD-REVERSE
FS	FAST-SLOW
HA	HAND-AUTO
HOA	HAND-OFF-AUTO
HOR	HAND-OFF-REMOTE
LL	LEAD-LAG
LLS	LEAD-LAG-STANDBY
LOR	LOCAL-OFF-REMOTE
LR	LOCAL-REMOTE
LS	LEAD-STANDBY
MA	MANUAL-AUTO
OAC	OPEN-AUTO-CLOSE
OC	OPEN-CLOSE
OO	ON-OFF
OSC	OPEN-STOP-CLOSE
RJ	RUN-JOG
RJR	RUN-JOG-REVERSE
SIL	SILENCE
SS	START-STOP

VALVES

- BALL VALVE
- BUTTERFLY VALVE
- CONE VALVE
- CHECK VALVE
- DOUBLE-DISK CHECK VALVE
- BALL CHECK VALVE
- DIAPHRAGM VALVE
- GATE VALVE
- GLOBE VALVE
- KNIFE GATE VALVE
- NEEDLE VALVE
- PINCH VALVE
- PLUG VALVE
- THREE-WAY BALL VALVE
- THREE-WAY PLUG VALVE
- PRESSURE-REDUCING VALVE
- PRESSURE-REGULATING VALVE
- THREE-WAY CONTROL VALVE
- or — PRESSURE-RELIEF VALVE
- X — AIR-RELEASE VACUUM VALVE
  A = AIR RELEASE
  VAC = VACUUM

ACTUATOR SYMBOLOGY

- M P S — OPERATOR ABBREVIATIONS:
  M = MOTOR
  P = PNEUMATIC
  S = SOLENOID
- FLOAT OPERATOR
- SPRING-OPPOSED SINGLE-ACTING PNEUMATIC CYLINDER
- DOUBLE-ACTING PNEUMATIC CYLINDER
- PNEUMATIC DIAPHRAGM
- PNEUMATIC DIAPHRAGM WITH POSITIONER

INSTRUMENT IDENTIFICATION LETTERS

	FIRST LETTER: MEASURED OR INITIATING VARIABLE	FIRST LETTER: VARIABLE MODIFIER	SUCCEEDING LETTERS: READOUT OR PASSIVE FUNCTION	SUCCEEDING LETTERS: OUTPUT/ACTIVE FUNCTION	SUCCEEDING LETTERS: FUNCTION MODIFIER
A	ANALYSIS		ALARM		
B	BURNER, COMBUSTION		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
C	USERS CHOICE			CONTROL	CLOSED
D	USERS CHOICE	DIFFERENTIAL			DEVIATION
E	VOLTAGE		SENSOR (PRIMARY ELEMENT)		
F	FLOW RATE	RATIO (FRACTION)			
G	USER'S CHOICE		GLASS, GAUGE VIEWING DEVICE		
H	HAND				HIGH
I	CURRENT (ELECTRICAL)		INDICATE		
J	POWER	SCAN	SCAN		
K	TIME, TIME SCHEDULE	TIME; RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT		LOW
M	USER'S CHOICE				MIDDLE, INTERMEDIATE
N	USER'S CHOICE		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
O	USER'S CHOICE		ORIFICE, RESTRICTION		
P	PRESSURE, VACUUM		POINT (TEST) CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE	INTEGRATE, TOTALIZE		
R	RADIATION		RECORD		RUN
S	SPEED, FREQUENCY	SAFETY		SWITCH	STOP
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	MULTIFUNCTION
V	VIBRATION, MECH. ANALYSIS			VALVE, DAMPER, LOUVER	
W	WEIGHT, FORCE		WELL PROBE		
X	UNCLASSIFIED	X AXIS	ACCESSORY DEVICES UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE OR PRESENCE	Y AXIS		AUXILLIARY DEVICES	
Z	POSITION, DIMENSION	Z AXIS SAFETY INSTRUMENTED SYSTEM		DRIVER, ACTUATOR, UNCLASSIFIED FINAL CONTROL ELEMENT	

ABBREVIATIONS

MISCELLANEOUS INSTRUMENTATION

AI	ANALOG INPUT
AO	ANALOG OUTPUT
CL2	CHLORINE (ANALYZER MODIFIER)
CO	CARBON MONOXIDE (ANALYZER MODIFIER)
CO2	CARBON DIOXIDE (ANALYZER MODIFIER)
COMB	COMBUSTIBLES (ANALYZER MODIFIER)
COND	CONDUCTIVITY (ANALYZER MODIFIER)
DEN	DENSITY (ANALYZER MODIFIER)
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
DO	DISSOLVED OXYGEN (ANALYZER MODIFIER)
E/P	VOLTAGE TO PNEUMATIC
H2S	HYDROGEN SULFIDE (ANALYZER MODIFIER)
HCL	HYDROGEN CHLORIDE (ANALYZER MODIFIER)
I/O	INPUT/OUTPUT
I/P	CURRENT TO PNEUMATIC
NOX	NITROGEN OXIDE (ANALYZER MODIFIER)
OI	OPERATOR INTERFACE
O2	OXYGEN (ANALYZER MODIFIER)
P&ID	PROCESS AND INSTRUMENTATION DIAGRAM
SS	SUSPENDED SOLIDS (ANALYZER MODIFIER)
TURB	TURBIDITY (ANALYZER MODIFIER)
WAN	WIDE AREA NETWORK

TYPES OF POWER SUPPLY

A	PLANT COMPRESSED AIR
IA	INSTRUMENTATION AIR
ES	ELECTRIC SUPPLY
NG	NATURAL GAS
HYD	HYDRAULIC

EQUIPMENT ABBREVIATIONS

XXX

ABBREVIATIONS

PIPING SYSTEM IDENTIFICATION

PLI	PLANT INFLUENT
SWH	SOFT WATER (HOT)
ABI	AERATION BASIN INFLUENT
BWR	BACKWASH RETURN
BD	BASIN DRAIN
CLI	CLARIFIER INFLUENT
CWI	CLEARWELL INFLUENT
CBI	CONTACT BASIN INFLUENT
DE	DECANT
FTI	FILTER INFLUENT
FLCI	FLOCCULATION INFLUENT
GBI	GRIT BASIN INFLUENT
OVFL	OVERFLOW
RWS	RAW WATER SUPPLY
SGB	SLUDGE BLOWDOWN
SUP	SUPERNATANT
TFI	TRICKLING FILTER INFLUENT
BWS	BACKWASH SUPPLY
CEN	CENTRATE
DS	DIGESTED SLUDGE
FIL	FILTRATE
GTS	GRIT SLURRY
PSG	PRIMARY SLUDGE
RAS	RETURN ACTIVATED SLUDGE
SCM	SCUM
SSG	SECONDARY SLUDGE
SG	SLUDGE
TSG	THICKENED SLUDGE
WAS	WASTE ACTIVATED SLUDGE
WLW	WELL WATER
SCK	SLUDGE CAKE
NG	NATURAL GAS
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
GR	GLYCOL RETURN
GS	GLYCOL SUPPLY
HTWR	HEATING WATER RETURN
HTWS	HEATING WATER SUPPLY
ALS	ALUM SOLUTION
AMGV	AMMONIA GAS (VACUUM)
AMS	AMMONIA SOLUTION
CARS	CARBON (SLURRY)
CLGV	CHLORINE GAS (VACUUM)
CLS	CHLORINE SOLUTION
FLU	FLOURIDE
POSA	POLYMER SOLUTION (ANIONIC)
POSC	POLYMER SOLUTION (CATIONIC)
POL	POLYPHOSPHATE
SDGV	SULFER DIOXIDE GAS (VACUUM)
SDS	SULFER DIOXIDE SOLUTION
FC	FERRIC CHLORIDE
SHY	SODIUM HYDROXIDE
IW	IRRIGATION WATER
NPW	NON POTABLE WATER
SW	SEAL WATER
SVW	SERVICE WATER
SP	SUMP
PWC	POTABLE WATER (COLD)
PWH	POTABLE WATER (HOT)
CA	COMPRESSED AIR
IA	INSTRUMENT AIR
LPA	LOW PRESSURE PROCESS AIR
DG	DIGESTER GAS
CLGP	CHLORINE GAS (PRESSURE)
CLL	CHLORINE LIQUID
SDGP	SULFER DIOXIDE GAS (PRESSURE)
SDL	SULFER DIOXIDE LIQUID
STW	STORMWATER
CVT	CULVERT
FOD	FOUNDATION DRAIN
ASH	ASH
ASHS	ASH SLURRY
RFGT	REFRIGERANT
AV	ACID VENT
AW	ACID WASTE
RL	RAIN LEADER
SRL	SECONDARY RAIN LEADER
VT	VENT
WST	WASTE
FOR	FUEL OIL RETURN
FOS	FUEL OIL SUPPLY
SAN	SANITARY SEWER
POT	POTASSIUM PERMANGANATE
SUL	SULFURIC ACID
CARD	CARBON (DRY)
CKD	CEMENT KILN DUST
LM	LIME (DRY)
FW	FINISHED WATER
SMP	SAMPLE
ACE	ACETYLENE
ARG	ARGON
HE	HELIUM
HYD	HYDROGEN
MET	METHANE
NIT	NITROGEN
NTO	NITROUS OXIDE
UPW	ULTRA PURE WATER

MISCELLANEOUS SYMBOLOGY

GENERAL

1. THIS IS A STANDARD INSTRUMENTATION SYMBOLOGY AND ABBREVIATIONS SHEET. LISTING OF SYMBOLS AND ABBREVIATIONS DOES NOT IMPLY ALL SYMBOLS AND ABBREVIATIONS HAVE BEEN USED ON THIS PROJECT.
2. SEE PROCESS, MECHANICAL AND PLUMBING LEGEND SHEET FOR MISCELLANEOUS PIPING SYMBOLS.
3. SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.
4. VALVE SYMBOLS SHOWN HERE ARE APPLICABLE ONLY TO INSTRUMENTATION DIAGRAMS. SEE PROCESS, MECHANICAL AND PLUMBING LEGEND SHEET FOR VALVE SYMBOLS USED ELSEWHERE ON THE SHEETS.

ISSUE	DATE	DESCRIPTION
A	07/2024	ISSUED FOR PROJECT BID

PROJECT MANAGER	JAROD C. LIMKE
ELECTRICAL	J. HUCKENPAHLER
I&C	C. OPPEGARD
CIVIL	M. JARRETT
DRAWN BY	E. PAZ
PROJECT NUMBER	10348601

COLORADO LICENSED JARROD C. LIMKE 51505 PROFESSIONAL ENGINEER
2024-07-11

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

GENERAL
PROCESS AND INSTRUMENTATION LEGEND

0 1" 2"

FILENAME

SCALE 12" = 1'-0"

SHEET 00G-344

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ONE-LINE, POWER, AND LIGHTING SYMBOLOGY

X 20A 3P
X 100AF 80AT 3P
LOW VOLTAGE CIRCUIT BREAKER (CB). RATING AND NO. OF POLES AS SHOWN. WHEN SPECIFIC TYPE, OTHER THAN MCCB, IS REQUIRED, X INDICATES TYPE.

TYPES
MCCB - MOLDED CASE
ICCB - INSULATED CASE
LVP - LOW VOLTAGE POWER
MCP - MOTOR CIRCUIT PROTECTOR (RATING PER CONNECTED LOAD)

TRIP UNIT
L - LONG TIME PICKUP
S - SHORT TIME PICKUP
I - INSTANTANEOUS PICKUP
G - GROUND FAULT PICKUP
A - ARC ENERGY REDUCTION MODE

X — INTERLOCK: X - INDICATES TYPE

TYPES
E - ELECTRICAL
M - MECHANICAL
K - KEY

GFP — GROUND FAULT PROTECTION
52 — MEDIUM VOLTAGE CIRCUIT BREAKER
FUSE, RATING, AND NUMBER OF FUSES AS NOTED
FUSED CUTOUT, CURRENT RATING, FUSE RATING, AND QUANTITY AS NOTED
FUSIBLE SWITCH, CURRENT RATING, FUSE RATING, AND QUANTITY AS NOTED (3 POLE UON)
NON-FUSED SWITCH, CURRENT RATING, AND NUMBER OF POLES AS NOTED (3 POLE UON)
DISCONNECT OR DRAWOUT CONNECTION
A C B — MAGNETIC MOTOR STARTER
A C B — SEPARATELY MOUNTED COMBINATION MAGNETIC MOTOR STARTER AND DISCONNECT
D C — MOTOR/LOAD CONTROLLER
D C — SEPARATELY MOUNTED MOTOR/LOAD CONTROLLER WITH SHORT CIRCUIT PROTECTION AND DISCONNECT

MOTOR STARTER AND CONTROLLER SUBSCRIPTS
A - MAGNETIC STARTER NEMA SIZE
B - STARTER TYPE
NONE - FULL VOLTAGE NON-REVERSING (FVNR)
FVR - FULL VOLTAGE REVERSING
2S - TWO SPEED
RVAT - REDUCED VOLTAGE AUTO TRANSFORMER
C - CONTROL DIAGRAM OR CONTROLS SCHEDULE NUMBER (IF REQUIRED)
D - CONTROLLER TYPE
VFD - VARIABLE FREQUENCY DRIVE
SS - SOLID STATE
CONT - CONTACTOR

J — SEPARATELY MOUNTED COMBINATION MOTOR STARTER OR CONTROLLER; SEE ELECTRICAL ONE - LINE DIAGRAM OR SCHEDULE FOR DESCRIPTION
J — SEPARATELY MOUNTED MOTOR STARTER OR CONTROLLER; SEE ELECTRICAL ONE-LINE DIAGRAM OR SCHEDULE FOR DESCRIPTION
X J — NON-FUSED SAFETY SWITCH, 30A, 3P, X INDICATES AMP RATING GREATER THAN 30A
X J Y — FUSED SAFETY SWITCH, 3P, X INDICATES AMP RATING GREATER THAN 30A, Y INDICATES FUSE SIZE
CB J — SEPARATELY MOUNTED CIRCUIT BREAKER; SEE ELECTRICAL ONE - LINE DIAGRAM OR SCHEDULE FOR DESCRIPTION
7 1/2 — HP — MOTOR WITH DESIGN HORSEPOWER (WHEN INDICATED)
G — GENERATOR
ATS — TRANSFER SWITCH, CURRENT RATING, AND NUMBER OF POLES AS NOTED
ATS - AUTOMATIC
MTS - MANUAL

TRANSFORMER
3-PHASE, 3-WIRE DELTA CONNECTION
3-PHASE, 4-WIRE GROUNDED WYE CONNECTION
LP100 208/120V 3 , 4W — SWITCHBOARD OR PANELBOARD; NAME, VOLTAGE, PHASE, NUMBER OF WIRES WHEN INDICATED
100 KVA — NON-MOTOR LOAD WITH DESIGN KVA, KW, OR AMP
VOLTAGE TRANSFORMER (VT, PT, OR CPT)
CURRENT TRANSFORMER (CT)
WH — UTILITY WATT-HOUR METER PER UTILITY REQUIREMENTS
DMP — DIGITAL METERING PACKAGE
GROUND
LIGHTNING ARRESTER
SPD — LOW VOLTAGE SURGE PROTECTIVE DEVICE
SS — SELECTOR SWITCH
PB — PUSHBUTTON
IC — INSTRUMENTATION / CONTROL DEVICE
SV — SOLENOID VALVE
CONTROL PANEL INTEGRAL OR PROVIDED WITH ASSOCIATED EQUIPMENT
CONTROL PANEL WITH DISCONNECT SWITCH INTEGRAL OR PROVIDED WITH ASSOCIATED EQUIPMENT
J OR J — JUNCTION OR PULL BOX
PANELBOARD (250V TO 600V)
PANELBOARD (LESS THAN 250V)
X — ELECTRICAL EQUIPMENT ENCLOSURE: SWITCHBOARD, MOTOR CONTROL CENTER, CONTROL PANEL, TRANSFORMER OR OTHER EQUIPMENT AS INDICATED. ESTIMATED SIZE AS INDICATED. WHEN USED X INDICATES EQUIPMENT TYPE.

EQUIPMENT TYPES
ATS - AUTOMATIC TRANSFER SWITCH
CP - CONTROL PANEL
MTS - MANUAL TRANSFER SWITCH
MCC - MOTOR CONTROL CENTER
UPS - UNINTERRUPTIBLE POWER SUPPLY
VFD - VARIABLE FREQUENCY DRIVE
SB - SWITCHBOARD
SG - SWITCHGEAR
T - TRANSFORMER

PLUG-IN RECEPTACLE STRIP, QUANTITY AND SPACING OF RECEPTACLES AS NOTED OR SPECIFIED
X Y — SPECIAL-PURPOSE RECEPTACLE AS DEFINED ON PLANS
X Y — TWO RECEPTACLES IN 2-GANG BOX UNDER COMMON COVER PLATE
X Y — DUPLEX RECEPTACLE
X Y — SIMPLEX RECEPTACLE
X Y — RECESSED FLOOR MOUNTED BOX, QUANTITY AND TYPE OF RECEPTACLES AS INDICATED

SUBSCRIPTS
X - INDICATES TYPE
GFCI - GROUND FAULT CIRCUIT INTERRUPTER
IG - ISOLATED GROUND
TR - TAMPER RESISTANT
PLH - PLUG LOAD HALF CONTROLLED
PLD - PLUG LOAD DUAL CONTROLLED
USB - USB CHARGING STATION
SPD - SURGE PROTECTIVE DEVICE
Y - INDICATES CIRCUIT NUMBER FROM PANELBOARD

CONDUIT TURNING UP
CONDUIT TURNING DOWN

(#X) — HOMERUN TO SOURCE (E.G. PANELBOARD, MCC) NUMBER IN PARENTHESES REPRESENTS CONDUCTOR SIZE OTHER THAN #12
SINGLE PHASE: 2#12, 1#12G IN 3/4"C
THREE PHASE: 3#12, 1#12G IN 3/4"C
UNLESS OTHERWISE NOTED, CONDUCTOR SIZE IS FOR ENTIRE CIRCUIT, SOURCE TO LAST DEVICE. ALSO, SEE ONE LINE DIAGRAM FOR CIRCUIT REQUIREMENTS
CONDUIT CONNECTION TO EQUIPMENT
CIRCUIT RUN BETWEEN DEVICES EXPOSED IN NON-ARCHITECTURALLY FINISHED AREAS; CONCEALED IN ARCHITECTURALLY FINISHED AREAS. CONDUIT AND CONDUCTOR SIZES SHALL BE THE SAME AS THE HOMERUN FOR THE CIRCUIT.
CONDUIT RUN BETWEEN DEVICES CONCEALED IN NON-ARCHITECTURALLY FINISHED AREAS OR UNDER FLOOR SLAB. CONDUIT AND CONDUCTOR SIZES SHALL BE THE SAME AS THE HOMERUN FOR THE CIRCUIT.
(#X) — CIRCUIT HASH MARKS (WHEN INDICATED); LONG, SHORT, SINGLE DOT, AND DOUBLE DOT REPRESENT PHASE, NEUTRAL, EQUIPMENT GROUND, AND ISOLATED EQUIPMENT GROUND, RESPECTIVELY. X REPRESENTS CONDUCTOR SIZE OTHER THAN #12 IN 3/4" CONDUIT.
CIRCUIT CONTINUATION
CONDUIT STUBBED OUT AND CAPPED
CORD AND PLUG CONNECTION
XXX XXX — CONDUIT TAG OR CIRCUIT NUMBER - WIRE AND CONDUIT SIZE AS SPECIFIED IN CIRCUIT SCHEDULE ON THE SHEETS
GROUND CABLE
GROUND ROD
Z X Y — CEILING/PENDANT/BOLLARD MOUNTED LUMINAIRE, LAMP TYPE AS SPECIFIED
Z X Y — CEILING/PENDANT/BOLLARD MOUNTED LUMINAIRE, LAMP TYPE AS SPECIFIED, EMERGENCY (INTERNAL OR EXTERNAL POWER SOURCE AS INDICATED)
Z X Y — WALL MOUNTED LUMINAIRE, LAMP TYPE AS SPECIFIED
Z X Y — WALL MOUNTED LUMINAIRE, LAMP TYPE AS SPECIFIED, EMERGENCY (INTERNAL OR EXTERNAL POWER SOURCE AS INDICATED)
Z X Y — WALL MOUNTED FLOOD LUMINAIRE, LAMP TYPE AS SPECIFIED
Z X Y — POLE/STANCHION MOUNTED LUMINAIRE, LAMP TYPE AS SPECIFIED
Z X Y — POLE/STANCHION MOUNTED LUMINAIRE, LAMP TYPE AS SPECIFIED, EMERGENCY (INTERNAL OR EXTERNAL POWER SOURCE AS INDICATED
Z X Y — POLE/STANCHION MOUNTED FLOOR LUMINAIRE, LAMP TYPE AS SPECIFIED
Z X Y — CEILING/PENDANT MOUNTED LUMINAIRE, LAMP TYPE AS SPECIFIED
Z X Y — WALL MOUNTED LUMINAIRE, LAMP TYPE AS SPECIFIED
Z X Y — CEILING/PENDANT MOUNTED LUMINAIRE, LAMP TYPE AS SPECIFIED, ALL OR PARTIAL EMERGENCY (INTERNAL OR EXTERNAL POWER SOURCE AS INDICATED
Z X Y — WALL MOUNTED LUMINAIRE, LAMP TYPE AS SPECIFIED, ALL OR PARTIAL EMERGENCY (INTERNAL OR EXTERNAL POWER SOURCE AS INDICATED
X Y — EMERGENCY LIGHT, NUMBER OF ATTACHED HEADS AS SHOWN
X Y — EMERGENCY LIGHT, REMOTE MOUNTED HEAD
X Y X Y — DOUBLE-FACED CEILING OR WALL MOUNTED EXIT LIGHT; DIRECTIONAL ARROWS (IF REQUIRED) AS INDICATED ON PLANS
X Y X Y — SINGLE-FACED CEILING OR WALL MOUNTED EXIT LIGHT; DIRECTIONAL ARROWS (IF REQUIRED) AS INDICATED ON PLANS

LIGHTING FIXTURE SUBSCRIPTS
X - INDICATES LUMINAIRE TYPE PER LUMINAIRE SCHEDULE
Y - INDICATES CIRCUIT NUMBER FROM PANELBOARD
Z - INDICATES CONTROLLING SWITCH (IF REQUIRED)
NL - NIGHT LIGHT UNSWITCHED
X — ROOM/AREA LIGHTING CONTROL TYPE, SEE LIGHTING CONTROL SCHEDULE FOR REQUIREMENTS
2 a — LOW VOLTAGE DIGITAL WALL SWITCH, NUMBER INDICATES QUANTITY OF PUSH BUTTONS PER SINGLE GANG PLATE, LETTER INDICATES CONTROL ZONE WHEN SHOWN

Y X — WALL SWITCH

SUBSCRIPTS
X - INDICATES TYPE
NONE - SINGLE POLE
2 - DOUBLE POLE
3 - THREE-WAY
4 - FOUR-WAY
K - KEY SWITCH
P - PILOT LIGHT
L - LIGHTED HANDLE
DM - DIMMING
MC - MOMENTARY CONTACT
T - TIMER
Y - INDICATES CONTROLLING SWITCH (IF REQUIRED)

Y X — MANUAL MOTOR STARTER

SUBSCRIPTS
X - INDICATES TYPE
HP - HORSEPOWER RATED
TE - HORSEPOWER RATED WITH FT - THERMAL ELEMENT HORSEPOWER RATED WITH FUSETRON FUSE
Y - INDICATES SWITCH TYPE
NONE - TOGGLE SWITCH TYPE
R - ROTARY SWITCH TYPE

PC — PHOTOCELL
TC — TIME CLOCK
OSX — LIGHTING CONTROL OCCUPANCY SENSOR, WALL MOUNTED, X INDICATES SPECIFIC TYPE AS SPECIFIED
OSX — LIGHTING CONTROL OCCUPANCY SENSOR, CEILING MOUNTED, X INDICATES SPECIFIC TYPE AS SPECIFIED

COMMUNICATION SYMBOLOGY

WALL MOUNTED TELEPHONE OUTLET
WALL MOUNTED DATA OUTLET
WALL MOUNTED COMBINATION TELEPHONE AND DATA OUTLET
RECESSED FLOOR MOUNTED TELEPHONE OUTLET
RECESSED FLOOR MOUNTED DATA OUTLET
RECESSED FLOOR MOUNTED COMBINATION TELEPHONE AND DATA OUTLET

AUDIO/VISUAL SYMBOLOGY

TV — TELEVISION OUTLET
S — CEILING MOUNT SPEAKER
S X — WALL MOUNT SPEAKER

SPEAKER SUBSCRIPTS
X - INDICATES HEIGHT

H — HORN TYPE TRANSDUCER
VC — VOLUME CONTROL
PAHE — HEAD END EQUIPMENT
M — FLOOR MOUNTED MICROPHONE JACK
M — WALL MOUNTED MICROPHONE JACK

SECURITY SYMBOLOGY

DOOR POSITION SWITCH
COMBINATION ELECTRIC DOOR STRIKE AND POSITION SWITCH
R P — PROXIMITY CARD READER
R K — PROXIMITY CARD READER WITH KEYPAD
M — DUAL TECHNOLOGY MOTION DETECTOR
REQUEST TO EXIT MOTION DETECTOR
REQUEST TO EXIT PUSH BUTTON
G — GLASS BREAK DETECTOR
PTZ — CCTV CAMERA PAN/TILT/ZOOM WHEN INDICATED
SEC — SECURITY EQUIPMENT CABINET
R — REMOTE KEYPAD/CONTROL STATION

EMERGENCY ALARM SYMBOLOGY

E — ALARM BELL
E — ALARM HORN
E — ALARM FLASHING LIGHT
E — ALARM BELL AND FLASHING LIGHT COMBINATION UNIT
E — ALARM HORN AND FLASHING LIGHT COMBINATION UNIT
E — PUSHBUTTON OR PULLSTATION

SITE SYMBOLOGY

EXTERIOR PAD MOUNTED TRANSFORMER
POLE - MOUNTED TRANSFORMER
X Y — ELECTRICAL HANDHOLE OR MANHOLE
X - INDICATES SEQUENCE NUMBER
Y- MHX OR HHX
X Y — POLE/STANCHION MOUNTED FLOOD LUMINAIRE, LAMP TYPE AS SPECIFIED
X Y — POLE MOUNTED AREA OR ROADWAY LUMINAIRE, LAMP TYPE AS SPECIFIED
X Y — HIGH MAST LIGHTING, NUMBER OF LUMINAIRES AS SPECIFIED

LIGHTING FIXTURE SUBSCRIPTS
X - INDICATES LUMINAIRE TYPE PER LUMINAIRE SCHEDULE
Y - INDICATES CIRCUIT NUMBER FROM PANELBOARD

POWER POLE
DOWNGUY
E — UNDERGROUND (UNO) ELECTRICAL AND COMMUNICATION SYSTEMS PATHWAY
OHE — OVERHEAD ELECTRICAL AND COMMUNICATION SYSTEMS PATHWAY

CONTROL SYMBOLOGY

ELECTRICAL CONNECTION
or or — NO ELECTRICAL CONNECTION
SV or — SOLENOID VALVE
X Y — CONTROL/RELAY COIL:
X-INDICATES TYPE
Y-INDICATES LOOP NUMBER, WHEN USED

TYPE
CR-CONTROL RELAY
PC-PHOTOCELL
DP-DEFINITE PURPOSE
M-MOTOR STARTER
TC-TIME CLOCK
LC-LIGHTING CONTACTOR
TR-TIMING RELAY

NORMALLY OPEN CONTACT (N.O.)
NORMALLY CLOSED CONTACT (N.C.)
MICROPROCESSOR (PLC, RTU, ETC.) OUTPUT
MICROPROCESSOR (PLC, RTU, ETC.) INPUT
FIELD WIRING EXTERNAL TO CONTROL PANEL
NORMALLY OPEN TIME DELAY RELAY CONTACT WITH TIME DELAY ON CLOSING AFTER COIL IS ENERGIZED
NORMALLY CLOSED TIME DELAY RELAY CONTACT WITH TIME DELAY ON OPENING AFTER COIL IS ENERGIZED
NORMALLY OPEN TIME DELAY RELAY CONTACT WITH TIME DELAY ON OPENING AFTER COIL IS DE-ENERGIZED
NORMALLY CLOSED TIME DELAY RELAY CONTACT WITH TIME DELAY ON CLOSING AFTER COIL IS DE-ENERGIZED
NORMALLY OPEN TEMPERATURE SWITCH; CLOSE ON RISING TEMPERATURE
NORMALLY CLOSED TEMPERATURE SWITCH; OPEN ON RISING TEMPERATURE
NORMALLY OPEN FLOW SWITCH; CLOSE ON INCREASING FLOW
NORMALLY CLOSED FLOW SWITCH; OPEN ON INCREASING FLOW
NORMALLY OPEN LEVEL SWITCH, CLOSE ON RISING LEVEL
NORMALLY CLOSED LEVEL SWITCH, OPEN ON RISING LEVEL
NORMALLY OPEN PRESSURE SWITCH, CLOSE ON INCREASING PRESSURE
NORMALLY CLOSED PRESSURE SWITCH, OPEN ON INCREASING PRESSURE
NORMALLY OPEN LIMIT SWITCH, CLOSE ON REACHING LIMIT
NORMALLY CLOSED LIMIT SWITCH, OPEN ON REACHING LIMIT

CONTROL SYMBOLOGY

OFF HAND AUTO — XOO OOX — 3 POSITION SELECTOR SWITCH, MAINTAINED CONTACTS; UNLESS OTHERWISE NOTED, 2-POSITION SIMILAR
NORMALLY OPEN PUSHBUTTON, MOMENTARY CONTACT UNLESS OTHERWISE NOTED
NORMALLY CLOSED PUSHBUTTON, MOMENTARY CONTACT UNLESS OTHERWISE NOTED
X — INDICATING LIGHT: X INDICATES LENS COLOR
X — PUSH TO TEST INDICATING LIGHT: X INDICATES LENS COLOR

LENS COLORS
R - RED Y - YELLOW
G - GREEN W - WHITE
B - BLUE A - AMBER

THERMAL OVERLOAD ELEMENT
OL (X) — THERMAL OVERLOAD RELAY CONTACT. WHEN SHOWN X INDICATES QUANTITY.
CPT — CONTROL POWER TRANSFORMER (CPT)
RTM — RUN TIME METER

GENER

1. THIS IS A STANDARD ELECTRICAL SYMBOLOGY SHEET. NOT ALL SYMBOLS MAY BE USED ON THIS PROJECT.
2. SCREENING OR SHADING OF WORK IS USED TO INDICATE EXISTING COMPONENTS OR TO DE-EMPHASIZE PROPOSED IMPROVEMENTS TO HIGHLIGHT SELECTED TRADE WORK. REFER TO CONTEXT OF EACH SHEET FOR USAGE.
3. SEE P&ID LEGEND SHEET FOR PROJECT SPECIFIC EQUIPMENT SYMBOLS, EQUIPMENT ABBREVIATIONS, AND PIPING SYSTEM ABBREVIATIONS.

ISSUE	DATE	DESCRIPTION
A	07/2024	ISSUED FOR PROJECT BID

PROJECT MANAGER	JAROD C. LIMKE
ELECTRICAL	J. HUCKENPAHLER
I&C	C. OPPEGARD
CIVIL	M. JARRETT
DRAWN BY	E. PAZ
PROJECT NUMBER	10348601

COLORADO LICENSED PROFESSIONAL ENGINEER JAROD COLE LIMKE 51505 2024-07-11

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

GENERAL ELECTRICAL LEGEND

0 1" 2"
FILENAME
SCALE 12" = 1'-0"

SHEET 00G-345

Autodesk Docs://10348601_Minturn_WTP_Design_2022 ACC/10348601_00G GENERAL.rvt
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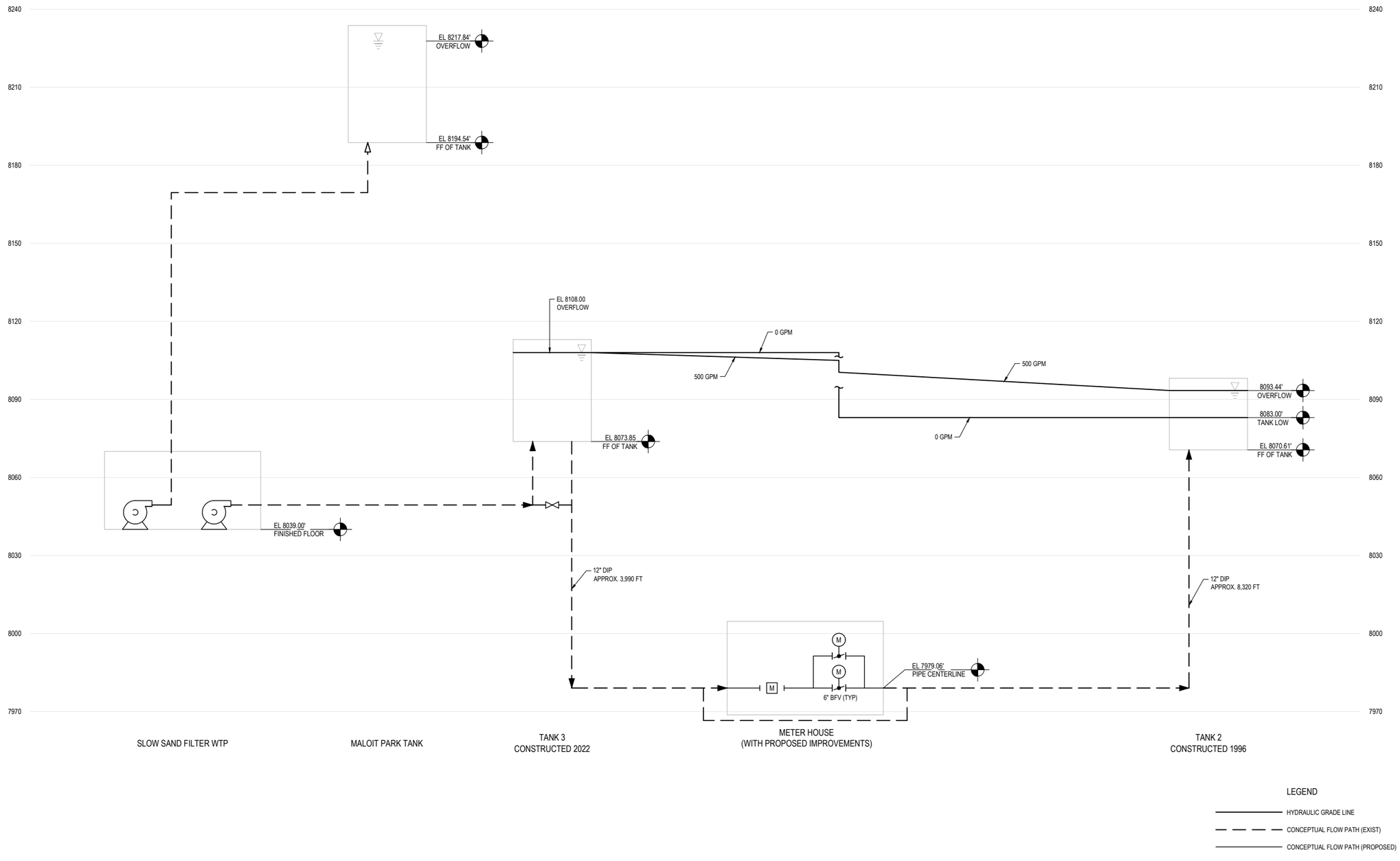
GENERAL NOT

A. FLOW PATH IS SHOWN AI
THE ACTUAL PIPE CONFIGURATION.

B. STRUCTURE LIMITS (TANKS, BUILDINGS) IS EXAGGERATED. ELEVATIONS OF HYDRAULIC GRADE LINE AND PIPE (WHERE LABELED) IS ACCURATE.

C. MAXIMUM FLOW RATE OF 500 GPM ESTABLISHED BASED ON HISTORICAL USE DATA.



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ISSUE	DATE	DESCRIPTION
A	07/2024	ISSUED FOR PROJECT BID

PROJECT MANAGER	JAROD C. LIMKE
ELECTRICAL	J. HUCKENPAHLER
I&C	C. OPPEGARD
CIVIL	M. JARRETT
DRAWN BY	J. LIMKE
PROJECT NUMBER	10348601

COLORADO LICENSED JAROD C. LIMKE 51505 PROFESSIONAL ENGINEER
2024-07-11

TOWN OF MINTURN

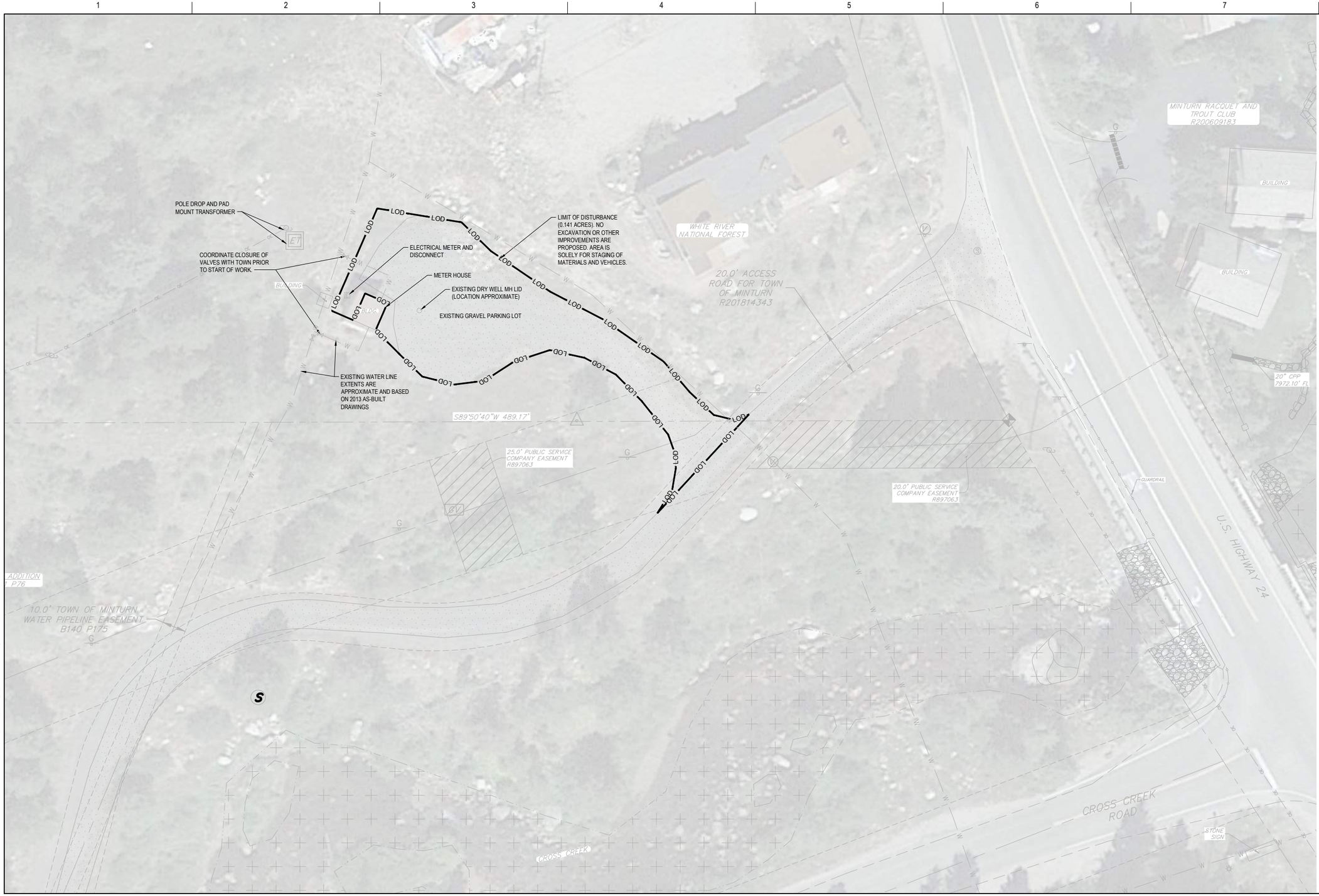
METER HOUSE IMPROVEMENTS

GENERAL HYDRAULIC PROFILE

0 1" 2"

FILENAME 00D-601.DWG
SCALE NOT TO SCALLE

SHEET 00D-346



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ISSUE	DATE	DESCRIPTION
A	07/2024	ISSUED FOR PROJECT BID

PROJECT MANAGER	JAROD C. LIMKE
ELECTRICAL	J. HUCKENPAHLER
I&C	C. OPPEGARD
CIVIL	M. JARRETT
DRAWN BY	M. JARRETT
PROJECT NUMBER	10348601

COLORADO LICENSED JAROD C. LIMKE 51505 PROFESSIONAL ENGINEER
2024-07-11

Minturn

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

STAGING AND ACCESS PLAN

0 1" 2"

FILENAME 01C-101.DWG
SCALE 1"=20'

SHEET 01C-347

SCADA

DIST. SYS. PRESSURE LOW — PAL 630
DIST. SYS. PRESSURE — PI 630
DIST. SYS. PRESSURE HIGH — PAH 630
TYP. OF 2 FCVs
POSITION CMD — ZC 601
POSITION — ZT 601
POSITION — HS 601
CHLORINE RESIDUAL LOW — AAL 601
FREE CHLORINE RESIDUAL — AI 601
CHLORINE RESIDUAL HIGH — AAH 601
TANK 3 PRESSURE LOW — PAL 620
TANK 3 PRESSURE — PI 620
TANK 3 PRESSURE HIGH — PAH 620
FLOW — FI 600

PLC

PIT 630
ZC 601
ZIT 601
HS 601
AIT 601
PIT 620
FIT 600

MCC/VFD/CP

X2:
FCV-601
FCV-602
1

PROCESS

PW
TO DISTRIBUTION
12"-PW
MASTER METER HOUSE
HS 601 LOR
HS 601 OC
ZIT 601 POS
1" CAV
240V
M
FCV-601
1"-PW
AIT 601 CL2
8"-PW
PIT 630
8X6
6"-PW
6"-PW
6"-PW
240V
M
FCV-602
DMJ
1"-DR
1"-DR
PIT 620
FIT 600
6"-PW
8"-PW
6X8
12"-PW
PW
FROM TANK 3

GENERAL NOTES

A. THE FLOW DIRECTION ON T... RIGHT TO LEFT TO REPRES... VIEWED FROM THE NORMAL ACCESS POINT.

KEYNOTES

1 VALVES OPERATE IN DUTY/STANDBY

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ISSUE	DATE	DESCRIPTION
A	07/2024	ISSUED FOR PROJECT BID

PROJECT MANAGER	JAROD C. LIMKE
ELECTRICAL	M. LARSON
I&C	M. JARRETT
CIVIL	C. MULDERICK
	SCHUMACHER
	HUCKENPAHLER
	C. OPPEGARD
DRAWN BY	N. LYNCH
PROJECT NUMBER	10348601

COLORADO LICENSED JAROD C. LIMKE 51505 PROFESSIONAL ENGINEER
2024-07-11

TOWN OF MINTURN

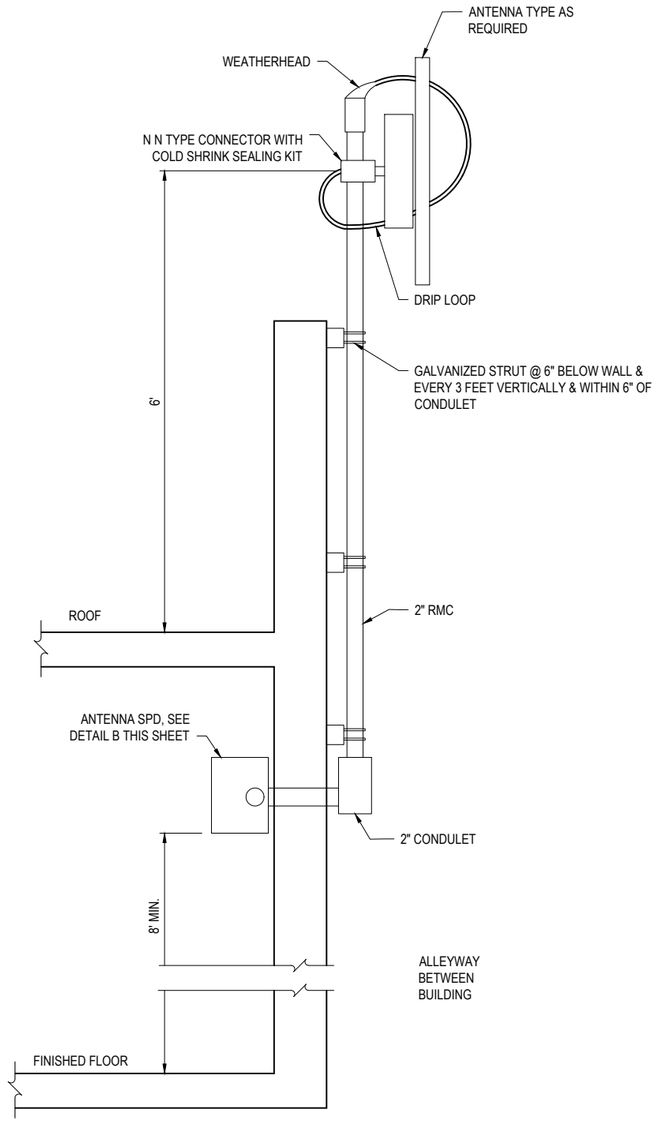
METER HOUSE IMPROVEMENTS

METER HOUSE
PROCESS AND INSTRUMENTATION DIAGRAM

0 1" 2"

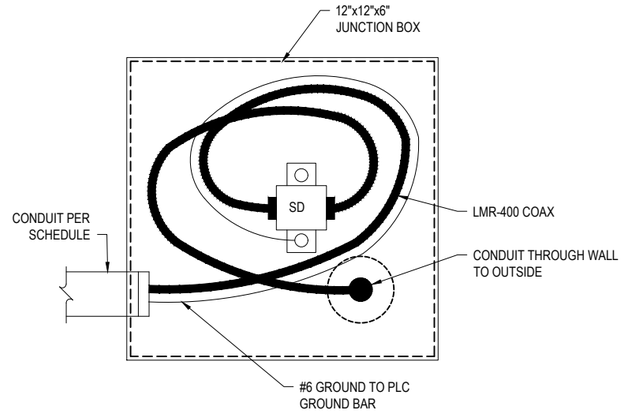
FILENAME 01Y-101.DWG
SCALE NOT TO SCALLE

SHEET 01Y-348



1 PEAKED ROOF ANTENNA INSTALLATION

NOT TO SCALE

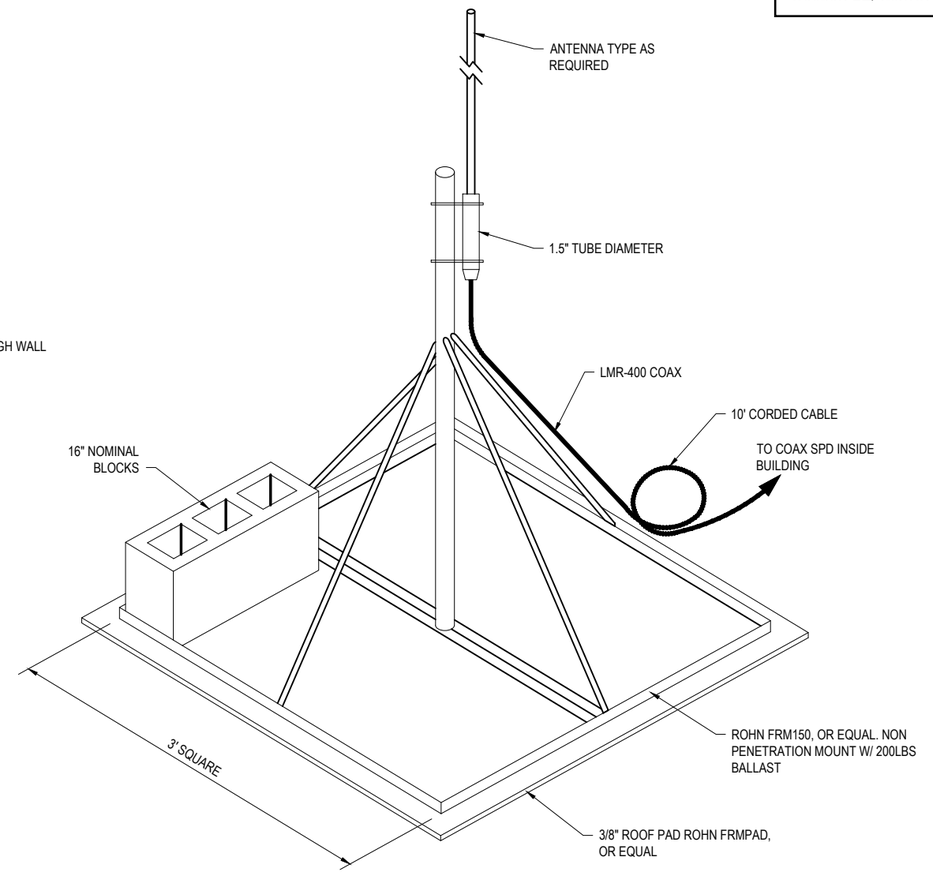


2 ANTENNA SPD

NOT TO SCALE

4 MALOIT TANK CONTROL PANEL DEMO

COORDINATE WITH OWNER TO RETURN ANY DEMO EQUIPMENT THEY MAY WANT TO KEEP



3 FLAT ROOF AND TANK ANTENNA INSTALLATION

NOT TO SCALE

ISSUE	DATE	DESCRIPTION
A	07/2024	ISSUED FOR PROJECT BID

PROJECT MANAGER	JAROD C. LIMKE
ELECTRICAL	M. LARSON
I&C	M. JARRETT
CIVIL	C. MULDERICK
	SCHUMACHER
	HUCKENPAHLER
	C. OPPEGARD
DRAWN BY	N. LYNCH
PROJECT NUMBER	10348601

COLORADO LICENSED PROFESSIONAL ENGINEER JAROD C. LIMKE 51505 2024-07-11

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

MALOIT TANK ANTENNA IMPROVEMENTS

0 1" 2"

FILENAME 01Y-501.DWG

SCALE NOT TO SCALLE

SHEET 01Y-349

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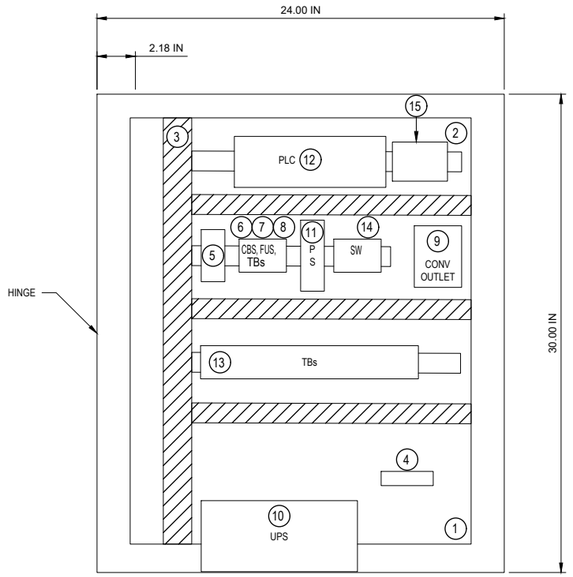
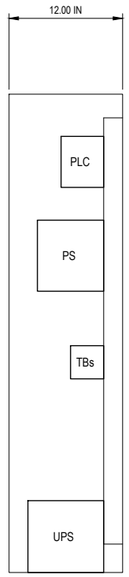
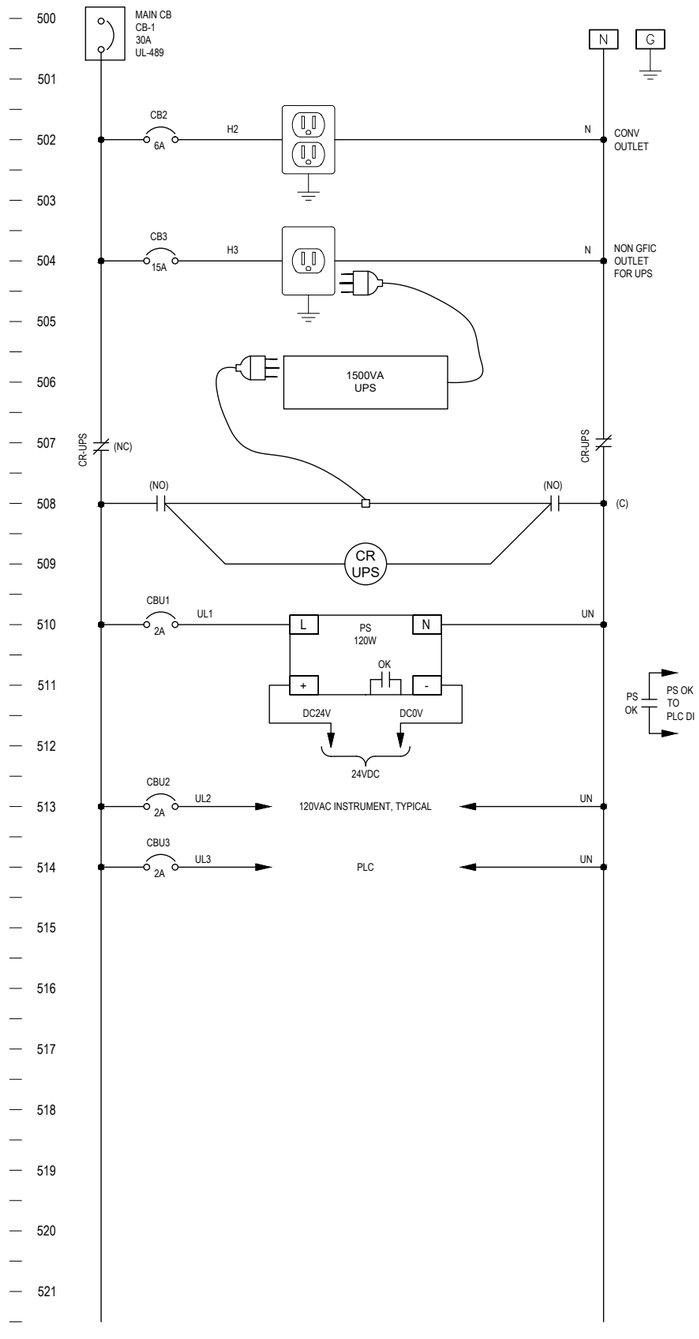


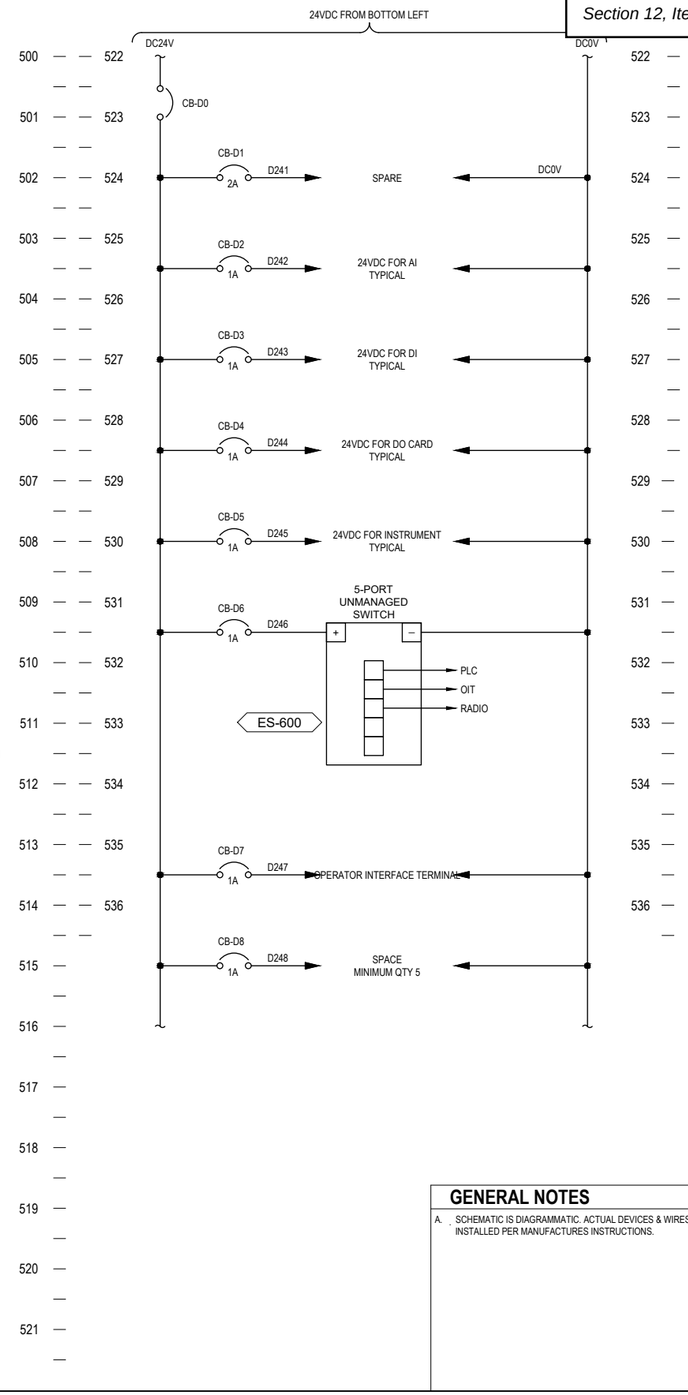
1 FRONT INTERIOR ELEVATION
NO SCALE



2 SIDE INTERIOR ELEVATION
NO SCALE

CONTROL PANEL BOM		
ITEM #	QTY	DESCRIPTION
1	1	NEMA 12 ENCLOSURE
2	1	ENCLOSURE BACKPANEL
3	AS REQ'D	WIREWAY
4	1	GROUND BAR KIT
5	1	SURGE ARESTOR
6	1	MAIN POWER CIRCUIT BREAKER
7	AS REQ'D	CIRCUIT BREAKERS, SIZE AS REQ'D
8	AS REQ'D	FUSES
9	1	CONVENIENCE RECEPTACLE
10	1	UPS
11	1	24 VDC POWER SUPPLY
12	1	PLC
13	AS REQ'D	TERMINAL BLOCKS
14	2	UNMANAGED NETWORK SWITCH (ONE TO BE INSTALLED IN EXISTING MARLOIT TANK CONTROL PANEL)
15	1	POE RADIO
16	1	OIT (LOCATED ON FRONT OF PANEL)





GENERAL NOTES

A. SCHEMATIC IS DIAGRAMMATIC. ACTUAL DEVICES & WIRES TO BE INSTALLED PER MANUFACTURES INSTRUCTIONS.

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	SCHUMACHER
	HUCKENPAHLER
	C. OPPEGARD
DRAWN BY	J. LIMKE
PROJECT NUMBER	10348601

COLORADO LICENSED JAROD C. COLE LIMKE 51505 PROFESSIONAL ENGINEER
2024-07-11

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

CONTROL PANEL LAYOUT AND TYPICAL POWER SCHEMATIC

0 1" 2"

FILENAME 01Y-601.DWG
SCALE NOT TO SCALLE

SHEET 01Y-350

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GENERAL NOT

A. CONTRACTOR TO FIELD-V
LOCATIONS.

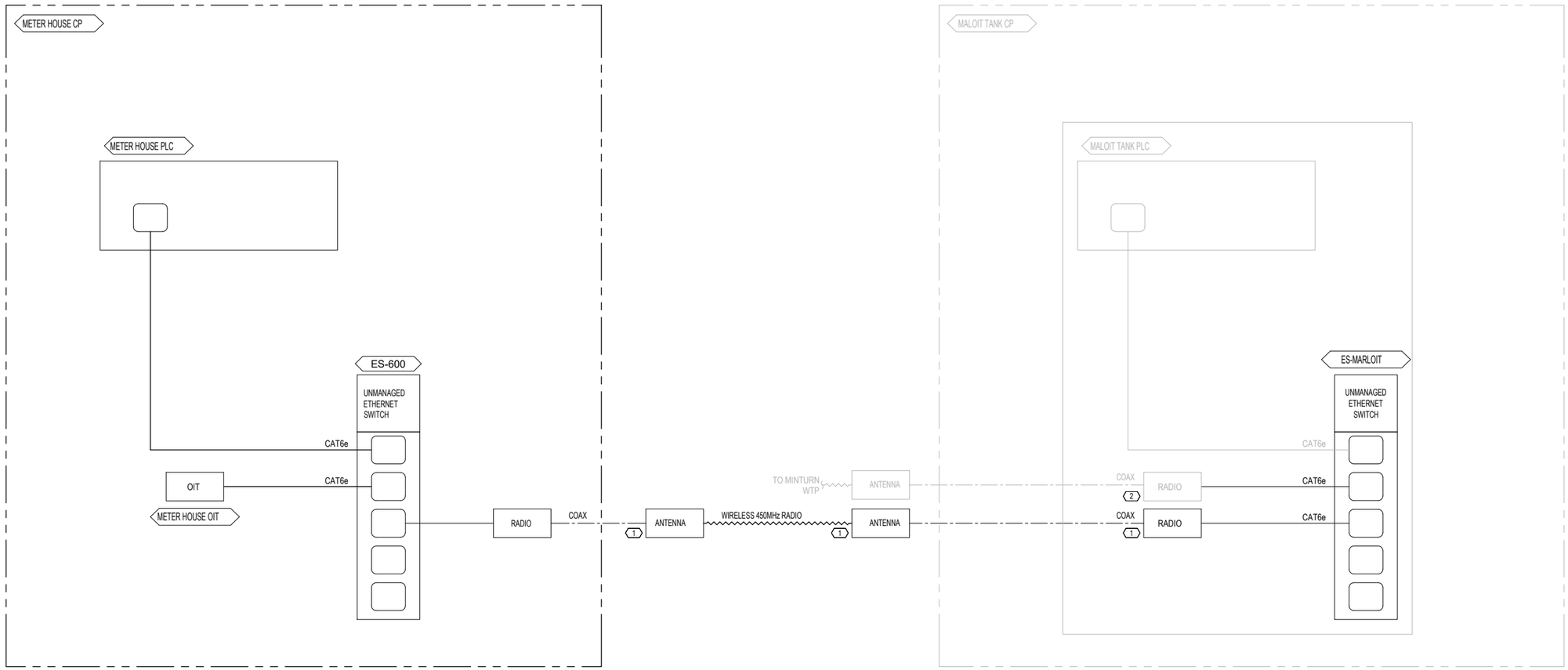
KEYNOTES

1. COORDINATE INSTALLATION LOCATION WITH OWNER.
2. EXISTING RADIO IS MOTOROLA CDM750 OPERATING AT 450 MHz.

OIT - OPERATOR INTERFACE TERMINAL.

LEGEND

- CATe ETHERNET
- COAX
- WIRELESS RADIO



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	C. OPPEGARD
DRAWN BY	N. LYNCH
PROJECT NUMBER	10348601

COLORADO LICENSED JAROD C. LIMKE 51505 PROFESSIONAL ENGINEER
2024-07-11

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

COMMUNICATIONS AND NETWORK DIAGRAM

0 1" 2"

FILENAME 01Y-602.DWG
SCALE NOT TO SCALLE

SHEET 01Y-351

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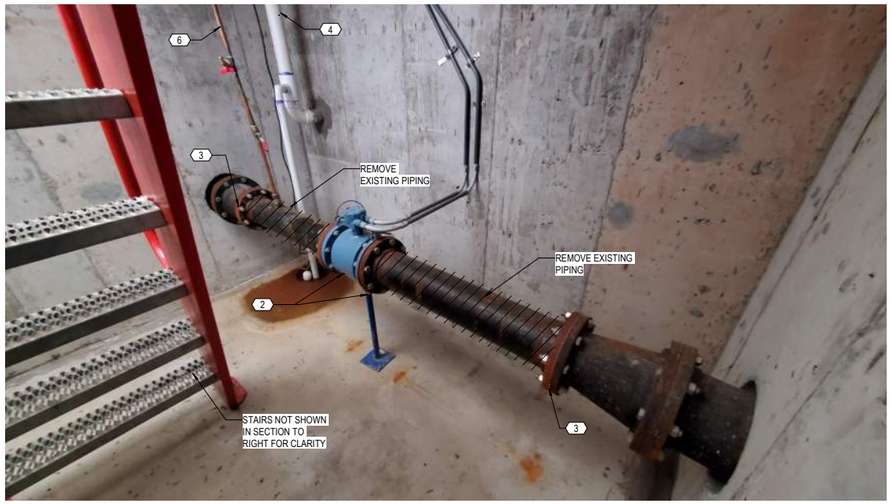
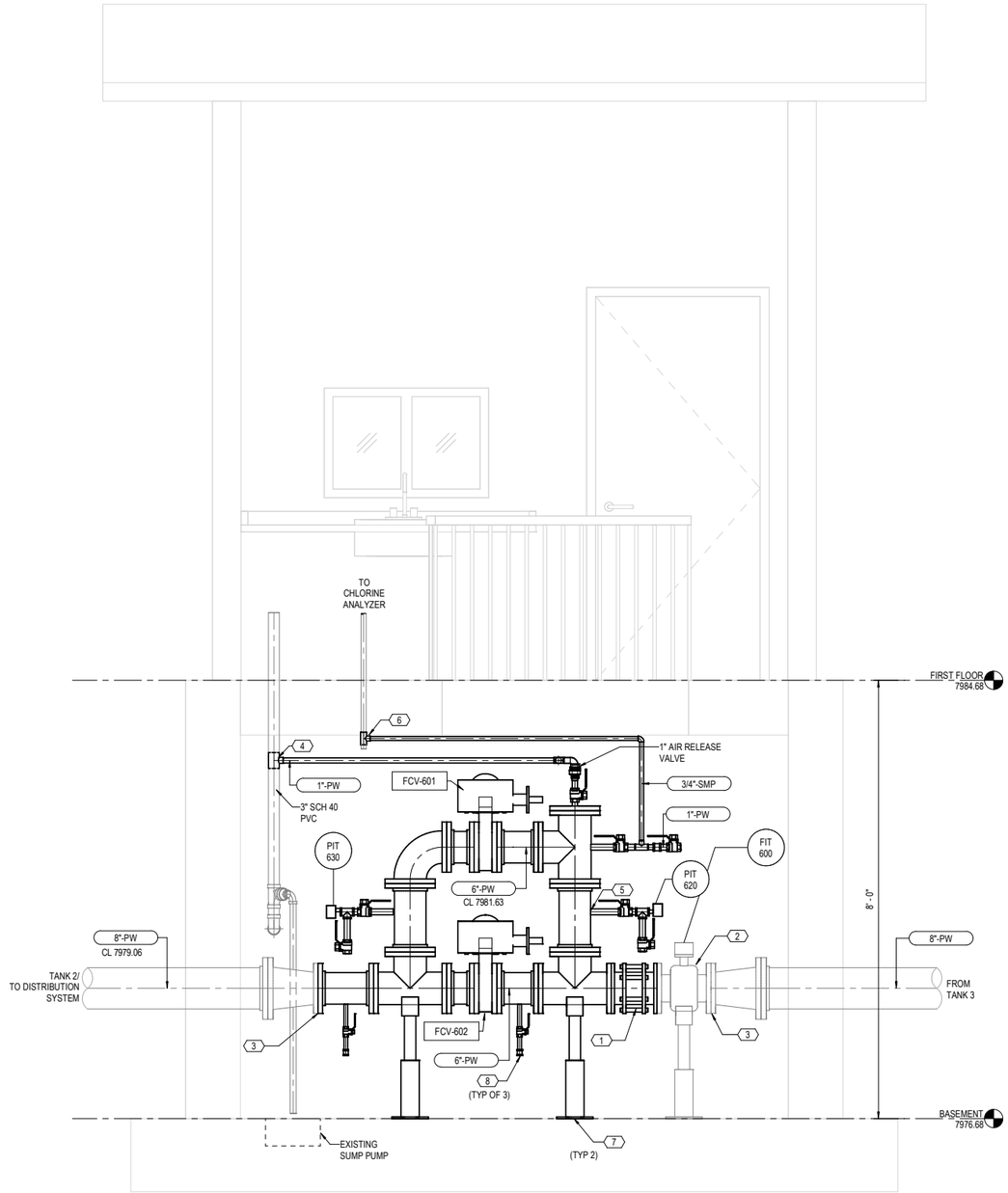


1 PHOTO - EXISTING CONDITIONS
NOT TO SCALE



A SECTION - LOOKING SOUTH, FROM POV OF TYPICAL ACCESS
3/4" = 1'-0"

GENERAL NO

A. SWAB DISINFECT ALL PIP

B. COORDINATE WITH OWNER FOR CLOSURE OF BURIED VALVES OUTSIDE OF STRUCTURE TO ISOLATE PIPE SYSTEM.

C. PROVIDE MEANS FOR KEEPING METER HOUSE BASEMENT DRY AND FREE OF STANDING WATER

KEYNOTES (##)

1 DISMANTLING JOINT.

2 REMOVE AND RELOCATE EXISTING 6" MAGENTIC FLOW METER AND SUPPORT. PROVIDE NEW GASKETS EACH SIDE.

3 PROVIDE NEW GASKETS AT 6" SIDE OF REDUCER.

4 CONNECT AIR RELEASE VALVE VENT TO PVC STAND PIPE.

5 1" TAP FOR SAMPLE, TYP.

6 NEW COPPER SAMPLE PIPE, CONNECT TO EXISTING AT APPROX LOCATION SHOWN.

7 PROVIDE SADDLE TYPE PIPE SUPPORT. ANVIL FIG 264 OR EQUAL. PROVIDE EPOXY SET ANCHORS IN CONCRETE FLOOR.

8 2" DRAIN WITH LOCKABLE BALL VALVES AND THREADED CAP.

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ELECTRICAL	J. HUCKENPAHLER
I&C	C. OPPEGARD
CIVIL	M. JARRETT
DRAWN BY	E. PAZ
PROJECT NUMBER	10348601

COLORADO JAROD C. LIMKE 51505 LICENSED PROFESSIONAL ENGINEER
2024-07-11

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

METER HOUSE
PROCESS PLAN AND SECTION

0 1" 2"

FILENAME

SCALE As indicated

SHEET 01D-352

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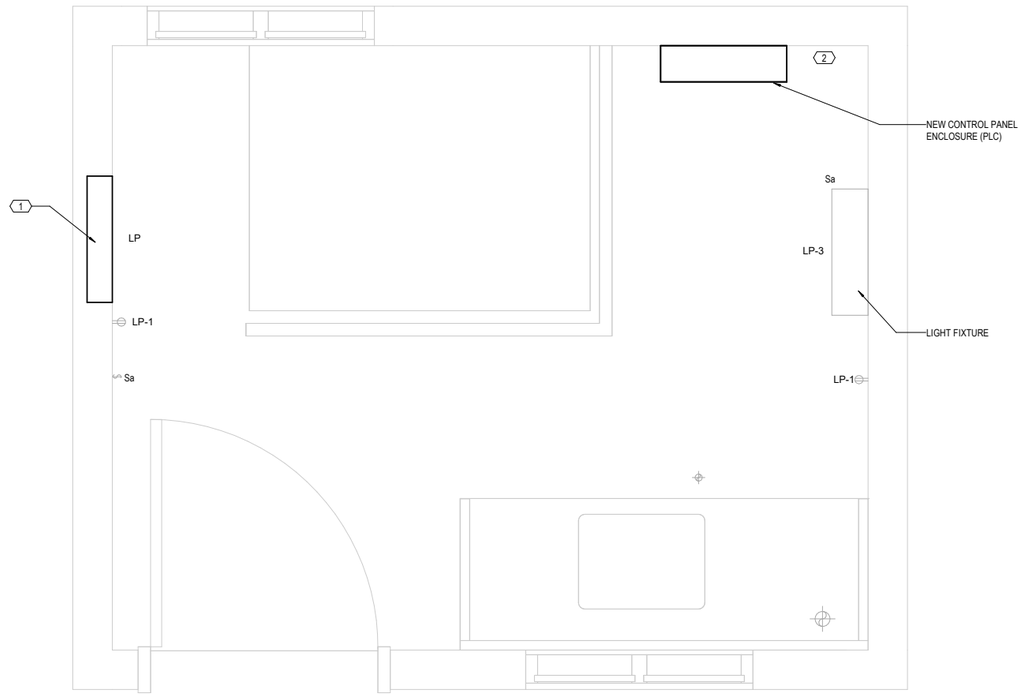
6/26/2024 9:23:19 AM

KEYNOTES

1 REMOVE AND REPLA
DRAWING.

2 RE-ROUTE EXISTING EXHAUST VENT TO CLEAR NEW PLC CABINET.



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ELECTRICAL	J. HUCKENPAHLER
I&C	C. OPPEGARD
CIVIL	M. JARRETT
DRAWN BY	E. PAZ
PROJECT NUMBER	10348601

COLORADO LICENSED JAROD C. LIMKE 51505 PROFESSIONAL ENGINEER 2024-07-11

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

METER HOUSE
UPPER LEVEL ELECTRICAL PLAN

0 1" 2"

FILENAME

SCALE 1" = 1'-0"

SHEET 01E-353

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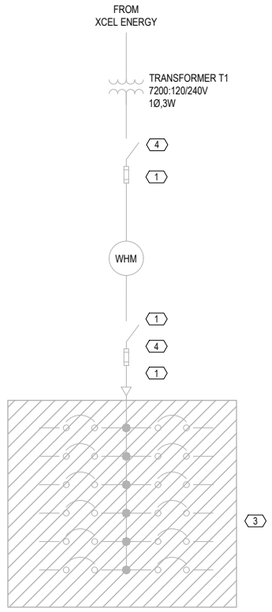

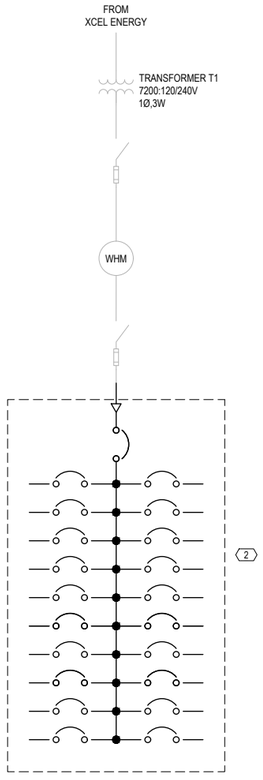

1 - **EXISTING ONE-LINE**
NOT TO SCALE

2 - **PROPOSED ONE LINE**
NOT TO SCALE

PANELBOARD NO: LP

VOLTAGE:	240/120	**BUS RATING (A):**	125	**ENCLOSURE:**	NEMA 1
PHASE:	1	**MAIN OC DEVICE:**	125/2	**MOUNTING:**	FLUSH
WIRE:	3+GND	**INTERRUPTING RATING (KA):**	10	**LOCATION:**	UPSTAIRS METER HOUSE
200% NEUTRAL:	NO	**SERVICE ENTRANCE LABEL:**	NO		

CKT NO.	DESCRIPTION	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	OCP AMPS	P		OCP AMPS	P	CONNECTED LOAD (VA) LTS	REC	MECH	MISC	DESCRIPTION	CKT NO.
	MAIN CB					125	2	A	125	2					MAIN CB	
								B								
1	RECEPTACLES		900					A	20	2			1,500		ELECTRIC UNIT HEAT	2
3	LIGHTS	1,200						B					1,500			4
5	SPARE							A	20	1				1,000	OLD SHED (GFI)	6
7	PUMP				1,176			B				250			OLD SHED LIGHTS	8
9	VALVE 1 ACTUATOR				1,200	20	2	A	20	2				1,200	VALVE 2 ACTUATOR	10
11					1,200			B						1,200		12
13	PLC				2,040			A	30	1					SPARE	14
15	SPARE							B							SPARE	16
17	SPARE							A							SPARE	18
19	SPARE							B							SPARE	20

SUMMARY

	LTS	REC	MECH	MISC	SPARE	TOTAL				PHASE BALANCE	
CONNECTED LOAD (KVA)	1.5	0.9	3.0	9.0	---	##	240	LINE-TO-LINE VOLTS		PHASE A (KVA)	7.8
DEMAND FACTOR	1.25	NEC	1.00	1.00	20%	---	60	CONNECTED AMPS		PHASE B (KVA)	6.5
DESIGN LOAD (KVA)	1.8	0.9	3.0	9.0	2.9	##	73	DESIGN AMPS			

3 - **PANELBOARD SCHEDULE**
NOT TO SCALE

KEYNOTES

1. REPLACE ANY PORTION OF EXISTING CONDUCTORS THAT ARE SMALLER THAN #1 AWG.
2. REPLACE EXISTING PANELBOARD WITH NEW PANELBOARD PER THE SCHEDULE. RECONNECT ALL EXISTING LOADS TO NEW PANELBOARD AND ADD BRANCH CIRCUITS FOR NEW VALVES AS SHOWN ON THE PANELBOARD SCHEDULE
3. EXISTING PANELBOARD WITH 12 BRANCH CIRCUITS. REPLACE WITH NEW PANELBOARD PER PANELBOARD SCHEDULE.
4. UPGRADE DISCONNECT SWITCHES TO 200A IF NOT ALREADY RATED FOR 200A.

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ELECTRICAL	HUCKENPAHLER
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CIVIL	M. JARRETT
DRAWN BY	J. LIMKE
PROJECT NUMBER	10348601

COLORADO LICENSED JARROD C. LIMKE 51505 PROFESSIONAL ENGINEER
2024-07-11

TOWN OF MINTURN

METER HOUSE IMPROVEMENTS

ONE-LINE AND PANELBOARD SCHEDULE

0 1" 2"

FILENAME 01E-601.DWG
SCALE NOT TO SCALLE

SHEET 01E-354

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Minturn Planning Department
Minturn Town Center
302 Pine Street
Minturn, Colorado 81645

Minturn Historic Preservation Commission
Chair – Ken Halliday
Tracy Andersen
Kenneth J. Howell
Larry Stone
Kelly Toon

To: Town Council

From: Madison Harris, Planner I

Date: July 12, 2024

Re: Historic Preservation Commission Appointments

Request
Council is asked to approve Resolution 37 - Series 2024 appointing two Historic Preservation Commission Members to the Historic Preservation Commission ("HPC").

Introduction
The HPC is a five member commission appointed with "three year staggered terms…" - Minturn Municipal Code ("MMC") Sec. 19-2-30 (1). Sec. 19-2-20 of the MMC states that "At least 3 of the voting members shall be full time Residents, Property or business Owners, or designated representatives of Property or business Owners within the Town" and that "At least 2 of the voting members shall be professionals or shall have extensive expertise in a preservation-related discipline, including but not limited to History, Architecture, Landscape Architecture, American Studies, American Civilization, Construction and Building Trades; Cultural Geography, Cultural Anthropology, Environmental Expertise, Planning, Real Estate, or Archeology. The Town Council may waive this requirement on a determination that there are not eligible prospective members who meet these criteria." There are no term limits, only that public review and appointment take place.

Staff has advertised the openings of the HPC and received two applications, who are qualified to serve. Council is asked to appoint two applicants to the two open three year terms.

Applicants:
- Robert Creasy - 453 Pine Street
- Lynn Teach - 253 Pine Street

The applicants will have time to answer questions from the Council. Ballots will be provided to the Council with the applicants names. Council will be asked to choose their top applicants.

Analysis
Meetings are held once a month on the third Tuesday, with the ability to add more should the occasion call for it. Of the three HPC members still appointed, there is a mix of full time residents, property owners, business owners as well as experience in Architecture, Education, and Building Trades.

Community Input
Candidates were solicited through public notice via e-blast, the newsletter, and public notices in the Vail Daily legal section.

Budget/Staff Impact:
TBD.

Strategic Plan Alignment
The Town Council's review and approval of the resolution aligns with the following key strategies:

Practice Fair, Transparent and Communicative Local Government

The Town will seek to make informed, data-based decisions with a standard of "doing it right." With an honest approach to all aspects of local government and a focus on the public process, the Town Council and staff are committed to serving Minturn with the honesty and integrity expected of a small-town government.

Sustain and Invest in the Things that Define Minturn as a Proud, Sturdy Mountain Town to "Keep Minturn Minturn"

Minturn strongly values its full-time resident community. Founded by the working-class, the town continues to emphasize the local's experience and quality of life. To maintain the character of Minturn and its ability to transcend time, the community must continually make strides to emphasize the working class.

Recommended Action or Proposed Motion
"I make a motion to approve Resolution 37 - Series 2024 appointing _____ and _____ to serve on the Minturn Historic Preservation Commission through July 31, 2027."

Attachments

- Resolution 37 - Series 2024
- HPC Applications

APPLICATION FOR COUNCIL OR COMMISSION

Return completed application to:
Town of Minturn
302 Pine St, Minturn CO 81645
(or via email – see previous page)

What Board or Commission are you interested in serving on? Historic Preservation Commission

Name: Robert D. Creasy

Mailing Address: PO Box 819, Minturn, CO 81645

Residence (Physical Address): 453 Pine St.

Phone: 760 937-2600 Email: robert@rdcarch.com

Length of Residency in the Town of Minturn: 4 yrs Are You Over 18 Years of Age? yes

Are You Currently a Registered Voter in the Town of Minturn? yes

Current Occupation: Architect Employer: Self

I hereby certify and affirm that all the information contained in this application is true, complete and correct. I understand that false or misleading statements or the omission of important information made on this application or any time during the process may disqualify me from serving for this position. I understand that the Board of Trustees must appoint members to all Boards and Commissions.

Applicant's Signature 7/9/24 Date

(FOR INTERNAL USE ONLY)

Appointed: ___Yes ____No

____New Appointment ____Reappointment

Appointment Date: _____ Term expiration: _____

1.) Tell us briefly about yourself, why you are interested in being appointed and what experience or education would you bring to this Commission or Council?

LIVING IN & PRACTICING ARCHITECTURE IN MINTURN I HAVE A STRONG INTEREST IN THE BUILT ENVIRONMENT OF MINTURN. I HAVE BEEN PRACTICING ARCHITECTURE FOR OVER 20 YEARS & IN MY PREVIOUS COMMUNITY I SERVED FOR 7 YEARS AS A MEMBER OF THE BOARD OF DIRECTORS FOR OUR WATER DISTRICT, SO I AM FAMILIAR WITH PUBLIC SERVICE.

2.) Why do you wish to be appointed/reappointed to this Commission or Council?

I HOPE THAT MY EXPERIENCE & KNOWLEGE REGARDING ARCHITECTURE & THE BUILT ENVIRONMENT CAN PROVIDE A HELPFUL PERSPECTIVE WHEN CONSIDERING WHICH OLDER BUILDINGS IN MINTURN CAN PROVIDE THE GREATEST BENEFIT TO TOWN THROUGH PRESERVATION & ADAPTIVE REUSE.

3.) Are you aware of the time commitment and do you have the personal time to devote to this Commission or Council?

YES. AND YES.

4.) What other Boards have you served on?

AS A DIRECTER OF THE BOARD FOR THE MAMMOTH COMMUNITY WATER DISTRICT

AS TREASURER & AS CHAIRMAN OF THE HIGH SIERRA ENERGY FOUNDATION.

AS A MEMBER OF THE TOWN OF MAMMOTH LAKES ADVISORY DESIGN REVIEW PANEL.

1.) If appointed, what would you like to accomplish on the Commission or Board while you are involved?

I HOPE WE ARE ABLE TO PRESERVE THE ICONIC BUILDINGS THAT HELP TO DEFINE MINTURN'S CHARACTER, WHILE FINDING WAYS TO PROMOTE THE ADAPTIVE REASE OF THOSE BUILDINGS SO THAT THEY MAY THRIVE ECONOMICALLY & PROVIDE ACTIVATION IN OUR TOWN CORE (AND NOT JUST REMAIN EMPTY).

2.) What do you believe could be a concern or issue facing this Commission or Council?

FINDING THE APPROPRIATE BALANCE BETWEEN PRESERVATION AND DEVELOPMENT IS POTENTIALLY CONTENTIOUS. BUT I THINK IT IS IMPORTANT TO UNDERSTAND THAT JUDICIOUS PRESERVATION CAN INCREASE THE VALUE & CHARACTER OF TOWN WHICH IN TURN CAN SUPPORT ECONOMIC VALUE & DEVELOPMENT IN KEEPING W/ MINTURN'S CHARACTER.

3.) What do you think the Town's responsibility is in overseeing and regulating residential and commercial development?

THE TOWN PLAYS A CRITICAL ROLE IN SHAPING DEVELOPMENT. WITHOUT GUIDING PRINCIPLES GROWTH WOULD BE HAPHAZARD & UNORGANIZED.

Thank you for your interest and time commitment in serving your community.

APPLICATION FOR COUNCIL OR COMMISSION

Return completed application to:
Town of Minturn
302 Pine St, Minturn CO 81645
(or via email – see previous page)

What Board or Commission are you interested in serving on? Historical (HPC)

Name: Lynn Teach

Mailing Address: PO 654

Residence (Physical Address): 253 Pine St. Minturn

Phone: 970 827 4133 OR Hm.
970 827 3387 Cell

Email: N/A

Length of Residency in the Town of Minturn: 41 yrs. Are You Over 18 Years of Age? Yes

Are You Currently a Registered Voter in the Town of Minturn? YES

Current Occupation: Retired
Gemini Gardens

Employer: WAS Self-Employed

I hereby certify and affirm that all the information contained in this application is true, complete and correct. I understand that false or misleading statements or the omission of important information made on this application or any time during the process may disqualify me from serving for this position. I understand that the Board of Trustees must appoint members to all Boards and Commissions.

Lynn Teach
Applicant's Signature

7/9/24
Date

(FOR INTERNAL USE ONLY)

Appointed: ___Yes ____No

____New Appointment ____Reappointment

Appointment Date: _____ Term expiration: _____

Lynn Jeach
253 Pine St.
7/11/24

1.) Tell us briefly about yourself, why you are interested in being appointed and what experience or education would you bring to this Commission or Council? Having had my own business in Minturn for 41 yrs. I had many discussions relating to why people moved here but also why tourists come to Minturn. I also love learning the history about the town and about the people who made it happen. I admire the hard work it took over 100 years ago. Also I have attended every HPC Mtg except for the very first one.

2.) Why do you wish to be appointed/reappointed to this Commission or Council?
To help clarify that Historical Preservation is not a bad thing, but something that can be incorporated into growth to help Maintain Keeping Minturn, Minturn, and to help simplify the process involved.

3.) Are you aware of the time commitment and do you have the personal time to devote to this Commission or Council? Meetings are the 3rd Tuesday of the months at 5:30 - along with possible additional meetings when necessary and additional reading.
I have recently retired
It is a volunteer position.

4.) What other Boards have you served on?
I am on Planning & Zoning and have been for 18 years. My attendance record is impeccable.
2 - Master Planning Committees 1 - Community Plan Committee
1 Economic Development Committee
1 Minturn Market Committee

1.) If appointed, what would you like to accomplish on the Commission or Board while you are involved?

See previous question #2. Also to create a list benefits that are available, a list of what needs to remain the same and what can be changed on a building. A list of what the town can do to help facilitate the process or other contacts who could help.

2.) What do you believe could be a concern or issue facing this Commission or Council?

Convince those who have concerns over Historical Preservation that there are ways to meet in the middle to keep Minturn, Minturn. The Quaint, Cozy, Charming & Authentic feeling every body loves when they experience Minturn.

3.) What do you think the Town's responsibility is in overseeing and regulating residential and commercial development? Not to get so caught up in the capitalization of towns like this that you forget what makes them so special. It is my understanding from my customers that they come to Minturn because we are different from the rest of the County. They love the lack of polish, it adds to the authenticity.

Thank you for your interest and time commitment in serving your community.

P.S. My first responsibility is to planning and zoning. However I feel that I can do both without complications.

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 37 – SERIES 2024

A RESOLUTION APPOINTING HISTORIC PRESERVATION COMMISSION MEMBERS

WHEREAS, The Minturn Historic Preservation Commission ("HPC") Members are appointed by the Town Council pursuant to Minturn Municipal Code Section 19-2-10; and

WHEREAS, pursuant to Minturn Municipal Code Section 19-2-30(1), the HPC is required to be appointed to staggered three year terms; and

WHEREAS, the Town Council recognizes and appreciates the service and commitment of the HPC members.

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO THAT THE FOLLOWING INDIVIDUALS ARE HEREBY APPOINTED AS INDICATED:

NAME	**TERM**
_____	July 31, 2027 – 3yr
_____	July 31, 2027 – 3yr

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 17th DAY OF JULY, 2024.

TOWN OF MINTURN

By:_____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

To:	Mayor and Town Council
From:	Michelle Metteer
Date:	July 17, 2024
Agenda Item:	Resolution 38 – Series 2024; A Resolution Approving a Contract with Ewing Construction for the Completion of the ECO Trail into the Town of Minturn

REQUEST:
Staff is recommending the Council approve Resolution 38 – Series 2024 A Resolution Approving a Contract with Ewing Construction for the Completion of the ECO Trail into the Town of Minturn as presented.

INTRODUCTION:
Recently, the ECO Trail was completed between the USFS bridge at the north end of town southward to just before the Minturn Town boundary. The ending location was due to not having the necessary easement approvals to cross Union Pacific property as those approvals were conditional upon the approval of the Minturn North project. With the Minturn North approvals, Union Pacific has provided the necessary easements for the ECOT Trail to cross their parcel of land and work can commence.

ANALYSIS:
Eagle County has offered to cover the costs associated with the completion of this section of the ECO Trail. This is a generous offer which Minturn has accepted. For this to occur, Minturn will need to secure the contract with Ewing Construction, who is already onsite and mobilized for the Minturn North project – saving time and money. This contract was obtained through a sole-source procurement given the unique specifics of the contract and the work already being done in the area by Ewing.

COMMUNITY INPUT: Extensive. Both the Imagine Minturn Community Plan and former Minturn Strategic Plans have identified this multi-modal connection as a critical improvement for connectivity to the greater Eagle County area.

BUDGET / STAFF IMPACT:
Although this project is through an agreement with the Town, Eagle County is funding the project cost. See associated letter of intent included with Resolution 38.

STRATEGIC PLAN ALIGNMENT:
In accordance with Strategy #4 the Town will advance decisions/projects/initiatives that expand future opportunity and viability for Minturn.

RECOMMENDED ACTION OR PROPOSED MOTION: Motion to approve Resolution 21 – Series 2023

Attachments:

- Resolution 38 – Series 2024, referenced agreement, and letter of intent

To: Mayor and Town Council
From: Michelle Metteer
Date: July 17, 2024
Agenda Item: Resolution 38 – Series 2024; A Resolution Approving a Contract with Ewing Construction for the Completion of the ECO Trail into the Town of Minturn

REQUEST:
Staff is recommending the Council approve Resolution 38 – Series 2024 A Resolution Approving a Contract with Ewing Construction for the Completion of the ECO Trail into the Town of Minturn as presented.

INTRODUCTION:
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ANALYSIS:
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Although this project is through an agreement with the Town, Eagle County is funding the project cost. See associated letter of intent included with Resolution 38.

STRATEGIC PLAN ALIGNMENT:
In accordance with Strategy #4 the Town will advance decisions/projects/initiatives that expand future opportunity and viability for Minturn.

RECOMMENDED ACTION OR PROPOSED MOTION: Motion to approve Resolution 21 – Series 2023

Attachments:
- Resolution 38 – Series 2024, referenced agreement, and letter of intent

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 38 – SERIES 2024

A RESOLUTION TO APPROVE A PROFESSIONAL SERVICES AGREEMENT BETWEEN EWING TRUCKING AND CONSTRUCTION LLC AND THE TOWN OF MINTURN FOR CONSTRUCTION OF THE ECO TRAIL CONNECTION AT MINTURN ROAD AND AUTHORIZING THE MAYOR OF THE TOWN OF MINTURN TO SIGN THE AGREEMENT

WHEREAS, The Minturn Town Council has reviewed the Professional Services Agreement with Ewing Trucking and Construction LLC and deems it acceptable; and,

WHEREAS, The Town Council desires to engage Ewing Trucking and Construction LLC as presented in the attached agreement.

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO:

SECTION 1: The Minturn Town Council hereby approves the Professional Services Agreement between Ewing Trucking and Construction LLC and the Town of Minturn, Colorado and authorizes the Mayor or designee to execute said agreement.

SECTION 2: This resolution to be in full force and effect from and after its passage and approval.

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 17TH day of JULY, 2024.

TOWN OF MINTURN

By:_____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

PROFESSIONAL SERVICES AGREEMENT

This PROFESSIONAL SERVICES AGREEMENT (the "Agreement") is made and entered into this _____, 202__ by and between the TOWN OF MINTURN, Colorado, a home rule municipality ("Minturn" or the "Town"), and _____ (the "Contractor").

WHEREAS, the Town desires that Contractor perform the services of _____ as an independent contractor, in accordance with the provisions of this Agreement, and more fully described in the job description attached as **Exhibit A**; and

WHEREAS, Contractor desires to perform such duties pursuant to the terms and conditions provided for in this Agreement; and

WHEREAS, the Parties hereto desire to set forth certain understandings regarding the services in writing.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the Parties agree as follows:

1. **Services.** The Town agrees to retain Contractor to provide the services set forth herein, and as further specified in **Exhibit A**, attached hereto and incorporated herein by reference ("Scope of Services"), and Contractor agrees to so serve. Contractor warrants and represents that it has the requisite authority, capacity, experience, and expertise to perform the Services in compliance with the provisions of this Agreement and all applicable laws and agrees to perform the Services on the terms and conditions set forth herein. The Town reserves the right to omit any of the Services identified in **Exhibit A** upon written notice to Contractor. In the event of any conflict between this Agreement and **Exhibit A**, the provisions of this Agreement shall prevail. All services shall be performed in conformance with the standard of care ordinarily exercised by members of Contractor's profession practicing at the same time in the State of Colorado.

2. **Compensation.** The Town agrees to pay Contractor a sum not to exceed _____ Dollars ($_____) as adjusted to reflect the deletion by the Town of any of the Services set forth in **Exhibit A**. The Town shall make payment within sixty (60) days of receipt and approval of invoices submitted by Contractor, which invoices shall be submitted to the Town not more frequently than monthly and which shall identify the specific Services performed for which payment is requested.

3. **Term.** The Term of this Agreement shall be from the date first written above until completion of the Services, unless extended by written agreement of the Parties.

4. **Outside Support Services and Subcontractor.** To the extent practicable, subcontractors whose principal place of business is Eagle County shall be used to perform the

i. Insurance required by this Agreement shall be with companies qualified to do business in the State of Colorado with a general policyholder's financial rating of not less than A+3A as set forth in the most current edition of "Best's Insurance Reports" and may provide for deductible amounts as Contractor deems reasonable for the Services. No such policies shall be cancelable or subject to reduction in coverage limits or other modification except after thirty (30) days prior written notice to the Town. Contractor shall identify whether the type of coverage is "occurrence" or "claims made." If the type of coverage is "claims made," which at renewal Contractor changes to "occurrence," Contractor shall carry a six (6)-month tail. Contractor shall not do or permit to be done anything that shall invalidate the policies.

ii. The policies described in subparagraphs a. and b. above shall be for the mutual and joint benefit and protection of Contractor and the Town. Such policies shall provide that the Town, although named as an additional insured, shall nevertheless be entitled to recovery under said policies for any loss occasioned to it, its officers, employees, and agents because of negligence of Contractor, its officers, employees, agents, subcontractors, or business invitees. Such policies shall be written as primary policies not contributing to and not in excess of coverage the Town may carry.

d. Workers' Compensation and Other Insurance. During the term of this Agreement, Contractor shall procure and keep in force workers' compensation insurance and all other insurance required by any applicable law. If under Colorado law Contractor is not required to carry workers' compensation insurance, Contractor shall provide the Town an executed Certificate of Exemption from Statutory Workers' Compensation Law and Acknowledgment of Risk/Hold Harmless Agreement, which shall be attached hereto as **Exhibit B** and incorporated herein by this reference.

e. Evidence of Coverage. Before commencing work under this Agreement, Contractor shall furnish to the Town certificates of insurance policies evidencing insurance coverage required by this Agreement. Contractor understands and agrees that the Town shall not be obligated under this Agreement until Contractor furnishes such certificates of insurance.

f. Subcontracts. Contractor agrees to include the insurance requirements set forth in this Agreement in all subcontracts. The Town shall hold Contractor responsible in the event any subcontractor fails to have insurance meeting the requirements set forth in this Agreement. The Town reserves the right to approve variations in the insurance requirements applicable to subcontractors upon joint written request of subcontractor and Contractor if, in the Town's opinion, such variations do not substantially affect the Town's interests.

9. **Indemnification.** Contractor hereby covenants and agrees to indemnify, save, and hold harmless the Town, its officers, employees, and agents from any and all liability, loss, costs,

appropriation pursuant to the Town of Minturn Municipal Code and Article X, Section 20 of the Colorado Constitution. The Town shall have no obligation to continue this Agreement in any fiscal year in which no such appropriation is made.

13. **Responsibilities.** The Contractor shall be responsible for all damages to persons or property caused by the Contractor, its agents, employees, or subcontractors, to the extent caused by its negligent acts, errors, and omissions hereunder, and shall indemnify and hold harmless the Town from any claims or actions brought against Contractor by reason thereof.

14. **Entire Agreement.** This Agreement, along with any addendums and attachments hereto, constitutes the entire agreement between the Parties. The provisions of this Agreement may be amended at any time by the mutual consent of both Parties. The Parties shall not be bound by any other agreements, either written or oral, except as set forth in this Agreement.

15. **Governing Law and Venue.** This Agreement shall be governed by the laws of the State of Colorado, and venue shall be in the County of Eagle, State of Colorado.

16. **Governmental Immunity Act.** No term or condition of this Agreement shall be construed or interpreted as a waiver, express or implied, of any of the immunities, rights, benefits, protections, or other provisions of the Colorado Governmental Immunity Act, C.R.S. § 24-10-101 *et seq.*

17. **Assignability.** Contractor shall not assign this Agreement without the Town's prior written consent.

18. **Binding Effect.** This Agreement shall be binding upon, and shall inure to the benefit of, the Parties hereto and their respective heirs, personal representatives, successors, and assigns.

19. **Survival Clause.** The "Indemnification" provision set forth in this Agreement shall survive the completion of the Services and the satisfaction, expiration, or termination of this Agreement.

20. **Severability.** In the event a court of competent jurisdiction holds any provision of this Agreement invalid or unenforceable, such holding shall not invalidate or render unenforceable any other provision of this Agreement.

21. **Headings.** Paragraph headings used in this Agreement are for convenience of reference and shall in no way control or affect the meaning or interpretation of any provision of this Agreement.

22. **Notices.** Written notices required under this Agreement and all other correspondence between the Parties shall be directed to the following and shall be deemed received when hand-delivered or three (3) days after being sent by certified mail, return receipt requested:

TOWN OF MINTURN, COLORADO

_____
Michelle Metteer, Town Manager

ATTEST:

_____
Town Clerk

CONTRACTOR

By:_____

Name:_____

Title:_____

STATE OF COLORADO)
) ss.
COUNTY OF _____)

The foregoing Agreement was acknowledged before me this ____ day of _____, 2022 by _____.

Witness my hand and official seal.

My commission expires:_____.

_____
{S E AL} Notary Public

EXHIBIT A

Eagle Valley Trails - Dowd Junction To Minturn Segment-Extension Across UPRR Lot 2
BID TAB - PHASE 2
IME Project Number: 15-0096
Date: February 22, 2024

NO.	CDOT CODE REF.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	SUBTOTAL
1	201-00001	CLEARING AND GRUBBING (INCLUDES HAUL-OFF)	0.4	ACRE	24000	$ 9,600.00
2	202-00155	REMOVAL OF WALL (BOULDER) (AVG HT. 4.0'=320 S.F.F.), SALVAGE BOULDERS FOR ONSITE USE	80	LF	25	$ 2,000.00
3	202-00220	REMOVAL OF ASPHALT MAT (3" DEPTH)	214	SY	19	$ 4,066.00
4	202-00810	REMOVAL OF SIGN	3	EACH	300	$ 900.00
5	202-05026	SAWING ASPHALT MATERIAL (3")	10	LF	6	$ 60.00
6	203-00010	UNCLASSIFIED EXCAVATION (1:1 COMPLETE IN PLACE)	122	CY	60	$ 7,320.00
7	203-00050	UNSUITABLE MATERIAL (HAUL-OFF) *ALLOWANCES* - ASSUMES 1 TRUCK /10 CY	60	CY	48	$ 2,880.00
8	203-00210	BORROW (COMPLETE IN PLACE) - IMPORT CDOT CLASS 1 MATERIAL (2.5" MINUS) OR APPROVED EQUAL	380	CY	46	$ 17,480.00
9	203-00060	EMBANKMENT MATERIAL (1:1 COMPLETE IN PLACE)	502	CY	24	$ 12,048.00
10	203-00450	ROCK REMOVAL (HYDRAULIC HAMMERING)(ASSUME 2 HR /EACH)	7	EACH	975	$ 6,825.00
11	207-00205	TOPSOIL-PLACEMENT ONSITE MATERIAL	173	CY	15	$ 2,595.00
12	207-00210	STOCKPILE TOPSOIL (INCLUDES SCREENING)	173	CY	12	$ 2,076.00
13	207-00704	SUBGRADE SOIL PREPARATION (SCARIFY 6"-8", MOISTURE CONDITION, & RECOMPACT)	778	SY	3	$ 2,334.00
14	208-00012	EROSION LOG (TYPE 1) (9 INCH)	700	LF	7	$ 4,900.00
15	208-00200	EROSION CONTROL MANAGEMENT (*ASSUMES 1 DAY/WK X 16 WK)	1	LS	4800	$ 4,800.00
16	210-00810	RESET GROUND SIGN	0	EACH		$ -
17	212-00708	SEEDING (NATIVE) BROADCAST	0.3	ACRE	3500	$ 1,050.00
18	213-00012	SPRAY-ON MULCH BLANKET (TYPE 1)	0.3	ACRE	6600	$ 1,980.00
19	216-00112	SOIL RETENTION BLANKETS (EXCELSIOR CLASS-2 100% BIODEGRABLE OR EQUAL)*ALLOWANCES*	100	SY	5	$ 500.00
20	304-06000	AGGREGATE BASE COURSE (CLASS-6) (COMPLETE IN PLACE)	291	TON	60	$ 17,460.00
21	304-06000	AGGREGATE BASE COURSE (CLASS-6) (*SALVAGED MATERIAL FROM PORTION OF TRAIL REMOVED)	27	TON	60	$ 1,620.00
22	403-34721	HOT MIX ASPHALT (GRADING SX)(75)(PG 58-28)	122	TON	168	$ 20,496.00
23	504-03411	RETAINING WALL (RE-BUILD ~10 L.F. OF WITH EXISTING BOULDERS-1.0-4.0' HT, COMPLETE IN PLACE)	20	SF	100	$ 2,000.00
24	603-50008	8 INCH PLASTIC PIPE (SDR-35)(COMPLETE IN PLACE)	65	LF	55	$ 3,575.00
25	614-00041	SIGN POST (SPECIAL)(8.0'-4"X4" TREATED CEDAR WITH 12"X24" CONCRETE FOOTING)	1	EACH	350	$ 350.00
26	614-00037	SIGN PANEL (SPECIAL) R4-7aR KEEP RIGHT 24"X30"	1	EACH	225	$ 225.00
27	614-00037	SIGN PANEL (SPECIAL) W7-5 HILL SIGN 9"X12"	1	EACH	200	$ 200.00
28	614-00037	SIGN PANEL (SPECIAL) W7-5 HILL SYMBOL 18"X18"	1	EACH	215	$ 215.00
29	625-00000	CONSTRUCTION SURVEYING	1	LS	2500	$ 2,500.00
30	627-00012	PAVEMENT MARKING PAINT (LOW VOC SOLVENT BASED, 4" DOUBLE YELLOW, 550 L.F.)	4	GAL	500	$ 2,000.00
31	629-01006	SURVEY MONUMENT (RESET TYPE 6) *ALLOWANCE*	1	EACH	1500	$ 1,500.00
32	630-80335	BARRICADE (3-M-A) (TEMP) - 8'-14' LENGTH @ DETOUR & DEADEND LOCATIONS PER PLAN	2	EACH	200	$ 400.00
33	950-00004	MOBILIZATION	1	LS	4800	$ 4,800.00
34						
35						
					OVERALL TOTAL	**$ 140,755.00**

EXHIBIT B

CERTIFICATE OF EXEMPTION FROM STATUTORY WORKERS' COMPENSATION LAW AND ACKNOWLEDGEMENT OF RISK/HOLD HARMLESS AGREEMENT.

("Contractor") certifies to the Town of Minturn (the "Town") that it is exempt from the provisions of the Colorado Workers' Compensation Act.

If Contractor has any employees who will perform the Services or subsequently employs any person to perform the Services as set forth in this Agreement (other than subcontractors, who are not considered employees for the purposes of workers' compensation), it agrees to provide the Town with a Certificate of Insurance as required by the Agreement indicating proof of statutory workers' compensation coverage on such persons prior to their start of work for the Town.

Contractor acknowledges that it will be engaging in activities which exposes it to the risk of bodily injury, that it is physically capable of performing the activities, and that all necessary precautions to prevent injury to Contractor and others will be taken. Contractor shall not hold the Town liable for any injuries sustained, by it or others, which may arise out of or in the course of the work performed for or on behalf of the Town, and Contractor agrees to defend, indemnify, and hold harmless the Town from all such claims.

CONTRACTOR

By:_____

Name:_____

Title:_____

STATE OF COLORADO)
) ss.
COUNTY OF EAGLE)

The foregoing Agreement was acknowledged before me this ____ day of _____, 2022 by _____.

Witness my hand and official seal.
My commission expires:_____

_____
{S E AL} Notary Public

PROFESSIONAL SERVICES AGREEMENT

This PROFESSIONAL SERVICES AGREEMENT (the "Agreement") is made and entered into this _____, 202__ by and between the TOWN OF MINTURN, Colorado, a home rule municipality ("Minturn" or the "Town"), and _____ (the "Contractor").

WHEREAS, the Town desires that Contractor perform the services of _____ as an independent contractor, in accordance with the provisions of this Agreement, and more fully described in the job description attached as **Exhibit A**; and

WHEREAS, Contractor desires to perform such duties pursuant to the terms and conditions provided for in this Agreement; and

WHEREAS, the Parties hereto desire to set forth certain understandings regarding the services in writing.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, the Parties agree as follows:

1. **Services.** The Town agrees to retain Contractor to provide the services set forth herein, and as further specified in **Exhibit A**, attached hereto and incorporated herein by reference ("Scope of Services"), and Contractor agrees to so serve. Contractor warrants and represents that it has the requisite authority, capacity, experience, and expertise to perform the Services in compliance with the provisions of this Agreement and all applicable laws and agrees to perform the Services on the terms and conditions set forth herein. The Town reserves the right to omit any of the Services identified in **Exhibit A** upon written notice to Contractor. In the event of any conflict between this Agreement and **Exhibit A**, the provisions of this Agreement shall prevail. All services shall be performed in conformance with the standard of care ordinarily exercised by members of Contractor's profession practicing at the same time in the State of Colorado.

2. **Compensation.** The Town agrees to pay Contractor a sum not to exceed _____ Dollars ($_____) as adjusted to reflect the deletion by the Town of any of the Services set forth in **Exhibit A**. The Town shall make payment within sixty (60) days of receipt and approval of invoices submitted by Contractor, which invoices shall be submitted to the Town not more frequently than monthly and which shall identify the specific Services performed for which payment is requested.

3. **Term.** The Term of this Agreement shall be from the date first written above until completion of the Services, unless extended by written agreement of the Parties.

4. **Outside Support Services and Subcontractor.** To the extent practicable, subcontractors whose principal place of business is Eagle County shall be used to perform the

i. Insurance required by this Agreement shall be with companies qualified to do business in the State of Colorado with a general policyholder's financial rating of not less than A+3A as set forth in the most current edition of "Best's Insurance Reports" and may provide for deductible amounts as Contractor deems reasonable for the Services. No such policies shall be cancelable or subject to reduction in coverage limits or other modification except after thirty (30) days prior written notice to the Town. Contractor shall identify whether the type of coverage is "occurrence" or "claims made." If the type of coverage is "claims made," which at renewal Contractor changes to "occurrence," Contractor shall carry a six (6)-month tail. Contractor shall not do or permit to be done anything that shall invalidate the policies.

ii. The policies described in subparagraphs a. and b. above shall be for the mutual and joint benefit and protection of Contractor and the Town. Such policies shall provide that the Town, although named as an additional insured, shall nevertheless be entitled to recovery under said policies for any loss occasioned to it, its officers, employees, and agents because of negligence of Contractor, its officers, employees, agents, subcontractors, or business invitees. Such policies shall be written as primary policies not contributing to and not in excess of coverage the Town may carry.

d. Workers' Compensation and Other Insurance. During the term of this Agreement, Contractor shall procure and keep in force workers' compensation insurance and all other insurance required by any applicable law. If under Colorado law Contractor is not required to carry workers' compensation insurance, Contractor shall provide the Town an executed Certificate of Exemption from Statutory Workers' Compensation Law and Acknowledgment of Risk/Hold Harmless Agreement, which shall be attached hereto as **Exhibit B** and incorporated herein by this reference.

e. Evidence of Coverage. Before commencing work under this Agreement, Contractor shall furnish to the Town certificates of insurance policies evidencing insurance coverage required by this Agreement. Contractor understands and agrees that the Town shall not be obligated under this Agreement until Contractor furnishes such certificates of insurance.

f. Subcontracts. Contractor agrees to include the insurance requirements set forth in this Agreement in all subcontracts. The Town shall hold Contractor responsible in the event any subcontractor fails to have insurance meeting the requirements set forth in this Agreement. The Town reserves the right to approve variations in the insurance requirements applicable to subcontractors upon joint written request of subcontractor and Contractor if, in the Town's opinion, such variations do not substantially affect the Town's interests.

9. **Indemnification.** Contractor hereby covenants and agrees to indemnify, save, and hold harmless the Town, its officers, employees, and agents from any and all liability, loss, costs,

appropriation pursuant to the Town of Minturn Municipal Code and Article X, Section 20 of the Colorado Constitution. The Town shall have no obligation to continue this Agreement in any fiscal year in which no such appropriation is made.

13. **Responsibilities.** The Contractor shall be responsible for all damages to persons or property caused by the Contractor, its agents, employees, or subcontractors, to the extent caused by its negligent acts, errors, and omissions hereunder, and shall indemnify and hold harmless the Town from any claims or actions brought against Contractor by reason thereof.

14. **Entire Agreement.** This Agreement, along with any addendums and attachments hereto, constitutes the entire agreement between the Parties. The provisions of this Agreement may be amended at any time by the mutual consent of both Parties. The Parties shall not be bound by any other agreements, either written or oral, except as set forth in this Agreement.

15. **Governing Law and Venue.** This Agreement shall be governed by the laws of the State of Colorado, and venue shall be in the County of Eagle, State of Colorado.

16. **Governmental Immunity Act.** No term or condition of this Agreement shall be construed or interpreted as a waiver, express or implied, of any of the immunities, rights, benefits, protections, or other provisions of the Colorado Governmental Immunity Act, C.R.S. § 24-10-101 *et seq.*

17. **Assignability.** Contractor shall not assign this Agreement without the Town's prior written consent.

18. **Binding Effect.** This Agreement shall be binding upon, and shall inure to the benefit of, the Parties hereto and their respective heirs, personal representatives, successors, and assigns.

19. **Survival Clause.** The "Indemnification" provision set forth in this Agreement shall survive the completion of the Services and the satisfaction, expiration, or termination of this Agreement.

20. **Severability.** In the event a court of competent jurisdiction holds any provision of this Agreement invalid or unenforceable, such holding shall not invalidate or render unenforceable any other provision of this Agreement.

21. **Headings.** Paragraph headings used in this Agreement are for convenience of reference and shall in no way control or affect the meaning or interpretation of any provision of this Agreement.

22. **Notices.** Written notices required under this Agreement and all other correspondence between the Parties shall be directed to the following and shall be deemed received when hand-delivered or three (3) days after being sent by certified mail, return receipt requested:

TOWN OF MINTURN, COLORADO

_____
Michelle Metteer, Town Manager

ATTEST:

_____
Town Clerk

CONTRACTOR

By:_____

Name:_____

Title:_____

STATE OF COLORADO)
) ss.
COUNTY OF _____)

The foregoing Agreement was acknowledged before me this ____ day of _____, 2022 by _____.

Witness my hand and official seal.

My commission expires:_____.

{S E AL}

_____
Notary Public

EXHIBIT A

Eagle Valley Trails - Dowd Junction To Minturn Segment-Extension Across UPRR Lot 2
BID TAB - PHASE 2
IME Project Number: 15-0096
Date: February 22, 2024

NO.	CDOT CODE REF.	ITEM DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	SUBTOTAL
1	201-00001	CLEARING AND GRUBBING (INCLUDES HAUL-OFF)	0.4	ACRE	24000	$ 9,600.00
2	202-00155	REMOVAL OF WALL (BOULDER) (AVG HT. 4.0'=320 S.F.F.), SALVAGE BOULDERS FOR ONSITE USE	80	LF	25	$ 2,000.00
3	202-00220	REMOVAL OF ASPHALT MAT (3" DEPTH)	214	SY	19	$ 4,066.00
4	202-00810	REMOVAL OF SIGN	3	EACH	300	$ 900.00
5	202-05026	SAWING ASPHALT MATERIAL (3")	10	LF	6	$ 60.00
6	203-00010	UNCLASSIFIED EXCAVATION (1:1 COMPLETE IN PLACE)	122	CY	60	$ 7,320.00
7	203-00050	UNSUITABLE MATERIAL (HAUL-OFF) *ALLOWANCES* - ASSUMES 1 TRUCK /10 CY	60	CY	48	$ 2,880.00
8	203-00210	BORROW (COMPLETE IN PLACE) - IMPORT CDOT CLASS 1 MATERIAL (2.5" MINUS) OR APPROVED EQUAL	380	CY	46	$ 17,480.00
9	203-00060	EMBANKMENT MATERIAL (1:1 COMPLETE IN PLACE)	502	CY	24	$ 12,048.00
10	203-00450	ROCK REMOVAL (HYDRAULIC HAMMERING)(ASSUME 2 HR /EACH)	7	EACH	975	$ 6,825.00
11	207-00205	TOPSOIL-PLACEMENT ONSITE MATERIAL	173	CY	15	$ 2,595.00
12	207-00210	STOCKPILE TOPSOIL (INCLUDES SCREENING)	173	CY	12	$ 2,076.00
13	207-00704	SUBGRADE SOIL PREPARATION (SCARIFY 6"-8", MOISTURE CONDITION, & RECOMPACT)	778	SY	3	$ 2,334.00
14	208-00012	EROSION LOG (TYPE 1) (9 INCH)	700	LF	7	$ 4,900.00
15	208-00200	EROSION CONTROL MANAGEMENT (*ASSUMES 1 DAY/WK X 16 WK)	1	LS	4800	$ 4,800.00
16	210-00810	RESET GROUND SIGN	0	EACH		$ -
17	212-00708	SEEDING (NATIVE) BROADCAST	0.3	ACRE	3500	$ 1,050.00
18	213-00012	SPRAY-ON MULCH BLANKET (TYPE 1)	0.3	ACRE	6600	$ 1,980.00
19	216-00112	SOIL RETENTION BLANKETS (EXCELSIOR CLASS-2 100% BIODEGRABLE OR EQUAL)*ALLOWANCES*	100	SY	5	$ 500.00
20	304-06000	AGGREGATE BASE COURSE (CLASS-6) (COMPLETE IN PLACE)	291	TON	60	$ 17,460.00
21	304-06000	AGGREGATE BASE COURSE (CLASS-6) (*SALVAGED MATERIAL FROM PORTION OF TRAIL REMOVED)	27	TON	60	$ 1,620.00
22	403-34721	HOT MIX ASPHALT (GRADING SX)(75)(PG 58-28)	122	TON	168	$ 20,496.00
23	504-03411	RETAINING WALL (RE-BUILD ~10 L.F. OF WITH EXISTING BOULDERS-1.0-4.0' HT, COMPLETE IN PLACE)	20	SF	100	$ 2,000.00
24	603-50008	8 INCH PLASTIC PIPE (SDR-35)(COMPLETE IN PLACE)	65	LF	55	$ 3,575.00
25	614-00041	SIGN POST (SPECIAL)(8.0'-4"X4" TREATED CEDAR WITH 12"X24" CONCRETE FOOTING)	1	EACH	350	$ 350.00
26	614-00037	SIGN PANEL (SPECIAL) R4-7aR KEEP RIGHT 24"X30"	1	EACH	225	$ 225.00
27	614-00037	SIGN PANEL (SPECIAL) W7-5 HILL SIGN 9"X12"	1	EACH	200	$ 200.00
28	614-00037	SIGN PANEL (SPECIAL) W7-5 HILL SYMBOL 18"X18"	1	EACH	215	$ 215.00
29	625-00000	CONSTRUCTION SURVEYING	1	LS	2500	$ 2,500.00
30	627-00012	PAVEMENT MARKING PAINT (LOW VOC SOLVENT BASED, 4" DOUBLE YELLOW, 550 L.F.)	4	GAL	500	$ 2,000.00
31	629-01006	SURVEY MONUMENT (RESET TYPE 6) *ALLOWANCE*	1	EACH	1500	$ 1,500.00
32	630-80335	BARRICADE (3-M-A) (TEMP) - 8'-14' LENGTH @ DETOUR & DEADEND LOCATIONS PER PLAN	2	EACH	200	$ 400.00
33	950-00004	MOBILIZATION	1	LS	4800	$ 4,800.00
34						
35						
					OVERALL TOTAL	**$ 140,755.00**

EXHIBIT B

CERTIFICATE OF EXEMPTION FROM STATUTORY WORKERS' COMPENSATION LAW AND ACKNOWLEDGEMENT OF RISK/HOLD HARMLESS AGREEMENT.

("Contractor") certifies to the Town of Minturn (the "Town") that it is exempt from the provisions of the Colorado Workers' Compensation Act.

If Contractor has any employees who will perform the Services or subsequently employs any person to perform the Services as set forth in this Agreement (other than subcontractors, who are not considered employees for the purposes of workers' compensation), it agrees to provide the Town with a Certificate of Insurance as required by the Agreement indicating proof of statutory workers' compensation coverage on such persons prior to their start of work for the Town.

Contractor acknowledges that it will be engaging in activities which exposes it to the risk of bodily injury, that it is physically capable of performing the activities, and that all necessary precautions to prevent injury to Contractor and others will be taken. Contractor shall not hold the Town liable for any injuries sustained, by it or others, which may arise out of or in the course of the work performed for or on behalf of the Town, and Contractor agrees to defend, indemnify, and hold harmless the Town from all such claims.

CONTRACTOR

By:_____

Name:_____

Title:_____

STATE OF COLORADO)
) ss.
COUNTY OF EAGLE)

The foregoing Agreement was acknowledged before me this ____ day of _____, 2022 by _____.

Witness my hand and official seal.
My commission expires:_____

_____
{S E AL} Notary Public

May 22, 2024

Michelle Metteer
Town Manager
Minturn, Coloardo
manager@minturn.org

RE: Eagle Valley Trail Extension

Dear Ms. Metteer,

Thank you for your continued commitment and cooperation in connecting Minturn to the Eagle Valley Trail system. As you know, we were unable to finish the last 600 feet of the project as we were unable to get an easement from UPRR prior to the end of construction season last year.

With the easement now secure, we are ready to help finish this last segment. We understand Ewing is already working on portions of the Eagle Valley Trail in the Minturn North Development, and has submitted a proposal for completing this critical last 600 feet for $140,755. We also recognize previous contributions from the Town of Minturn for the Eagle Valley Trail project.

As such, Eagle County is committing $150,000 from the ECO Trails fund towards the construction of the Eagle Valley Trail for the last 600 feet connecting to the Minturn North project.

Thank you again for your continued commitment and support. We very much look forward to working with you and Ewing Construction in completing this project. Please do not hesitate to contact me for additional information or assistance.

Sincerely,

Kevin Sharkey

Kevin J. Sharkey, P.E.
Trails Program Manager
Eagle County
kevin.sharkey@eaglecounty.org
(970) 328-3523

To: Mayor and Council
From: Jay Brunvand
Date: July 17, 2024
Agenda Item: Ord 17-2024 Lodging Tax Ballot Discussion

REQUEST:
Staff is requesting consideration of Ord 17-2024 as discussed and directed at the June 19 Council meeting.

INTRODUCTION:
In November 2005, during a county wide coordinated election, the town passed a ballot measure allowing the town to assess a 1.5% Lodging Tax on all STR rentals. This included commercial lodging facilities as well as residential facilities. An STR is defined as a unit rented for 30days or less. Staff is requesting direction to proceed with a ballot request in the November 2024 County wide coordinated election to increase the Lodging tax 5% points, from 1.5% to 6.5% for RESIDENTIAL rentals ONLY. Commercial properties are assessed property taxes at 26.3% and residential properties at 6.7% of assessed value. Due to this almost 4x variance, we are only looking at this tax to be applied only to residential STR's.

ANALYSIS:
The current and projected sales tax rates for STR are as follows. (NOTE: The commercial lodging would remain at the current level, the STR would move to the projected and non-lodging would sales tax would remain at 8.9%):

CURRENT Lodging Tax For both Residential and Commercial		Projected Lodging Tax for Residential	
State	2.9%	State	2.9%
County	1.5%	County	1.5%
Transit	0.5%	Transit	0.5%
Town	4.0%	Town	4.0%
Lodging	1.5%	Lodging	6.5%
	10.4%		15.4%

Estimating the projected revenue picture with this change:

	1.50%	6.5%*
2021	18,960	38,307
2022	20,457	61,081

2023	14,461	52,832

*Commercial factored at 1.5%

The above table shows what we received at 1.5% and what we would have received based on the combined 1.5% commercial and 6.5% residential STR. Our current 1.5% lodging tax is not designated for a specific use, rather, it is available for any General Fund use in the budget process. Although this is a very specific tax on a very specific funding source, often a tax question is more successful if the funds are directed or earmarked for a specific community need. Any ear mark directed should be based on the Strategic Plan. This could be, but not limited to, community enhancements, events, parks, child care, or housing options.

COMMUNITY INPUT:
In the Community Survey completed in April and presented to Council recently, this increase was considered. The community desired this increase by a 4-1 margin where 76% were in support. I have attached that question from the Council presentation.

BUDGET / STAFF IMPACT:
N/A

STRATEGIC PLAN ALIGNMENT:
In accordance with Strategy #3 to sustain and invest in the things that define Minturn as a proud, sturdy mountain town to "Keep Minturn Minturn". Minturn strongly values its full-time resident community. Founded by the working-class, the town continues to emphasize the local's experience and quality of life. To maintain the character of Minturn and its ability to transcend time, the community must continually make strides to emphasize the working class. Identification of diversification of revenue and financial stability were also discussed during the most recent Council Retreat.

RECOMMENDED ACTION OR PROPOSED MOTION:

- Motion to approve Ordinance 17-2024 as presented.

ATTACHMENTS:

- Ord 17-2024

ORDINANCE 17 – SERIES 2024

AN ORDINANCE OF THE TOWN OF MINTURN, COLORADO, CALLING A SPECIAL ELECTION ON NOVEMBER 5, 2024, FIXING BALLOT TITLES AND QUESTIONS, AND SETTING FORTH OTHER DETAILS RELATING THERETO.

WHEREAS, the Town of Minturn, in the County of Eagle and State of Colorado (the "Town"), is a home rule municipal corporation duly organized and existing under laws of the State of Colorado and the Town Charter (the "Charter"); and

WHEREAS, the members of the Town Council of the Town (the "Council") have been duly elected and qualified; and

WHEREAS, pursuant to Article II, Section 2.1 of the Charter and Section 31-10-102.7, C.R.S., the Town may provide by resolution that it will utilize the requirements and procedures of the Uniform Election Code of 1992 in lieu of the Colorado Municipal Election Code of 1965 with respect to any election; and

WHEREAS, Article X, Section 20 of the Constitution ("TABOR") requires voter approval for incurring debt, the creation of any tax, and for spending certain moneys above limits established by TABOR; and

WHEREAS, the Council has determined that it is in the best interest of the residents of the Town and public interest and necessity that the Town increase the Lodging Tax on short term rentals of residential property by 5% from a current rate of 1.5% to a rate of 6.5% as further described herein; and

WHEREAS, Pursuant to TABOR and Article VIII Section 8.2 of the Charter, the Town is required to seek voter approval prior to the imposition of such tax; and

WHEREAS, TABOR requires the Town to submit ballot issues (as defined in TABOR) to the Town's electors on limited election days before action can be taken on such ballot issues; and

WHEREAS, November 5, 2024, is one of the election dates at which ballot issues may be submitted to the Town's electors pursuant to TABOR; and

WHEREAS, the County Clerk of Eagle County (the "County Clerk") is conducting a coordinated election on November 5, 2024, pursuant to Section 1-7-116, C.R.S.; and

WHEREAS, it is necessary to set forth certain procedures concerning the conduct of the election.

NOW, THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO, AS FOLLOWS:

Section 1. All action heretofore taken (not inconsistent with the provisions of this

resolution) by the Town and the officers thereof, directed towards the Election and the objects and purposes herein stated, is hereby ratified, approved and confirmed.

Section 2. Unless otherwise defined herein, all terms used herein shall have the meanings defined in the Uniform Election Code of 1992, Title 1, Articles 1 through 13, C.R.S., as amended (the "Uniform Election Code").

Section 3. Pursuant to TABOR and the Uniform Election Code, and all laws amendatory thereof and supplemental thereto, the Town hereby determines that a special Election shall be held within the Town on November 5, 2024, and that there shall be submitted to the eligible electors of the Town the election questions set forth herein. Because the Election will be held as part of the coordinated election, the Council hereby determines that the County Clerk and Recorder (the "Clerk") shall conduct the election on behalf of the Town. The officers of the Town are hereby authorized to enter into one or more intergovernmental agreements with the County for the conduct of the Election pursuant to Section 1-7-116, C.R.S. Any such intergovernmental agreement heretofore entered into in connection with the Election is hereby ratified, approved and confirmed.

Section 4. The Council hereby authorizes and directs the officers of the Town to certify on or before September 6, 2024, the following election questions in substantially the form hereinafter set forth to the Clerk, which such questions shall be submitted to the eligible electors of the Town at the Election:

EXCISE TAX ON SHORT TERM RENTALS

SHALL THE TOWN OF MINTURN EXCISE TAXES ON SHORT TERM RENTALS BE INCREASED NOT MORE THAN $1.5 MILLION COMMENCING JANUARY 1, 2025, AND BY WHATEVER AMOUNTS AS ARE GENERATED ANNUALLY THEREAFTER BY IMPOSITION OF A TOWN SHORT TERM RENTAL TAX IN THE TOTAL AMOUNT OF 6.5% (THE EXISTING 1.5% LODGING TAX PLUS A NEW 5% TAX), ON THE TOTAL AMOUNT OF RENT OR COMPENSATION PAID BY PERSONS RENTING ROOMS OR ACCOMMODATIONS FOR A PERIOD OF THIRTY (30) DAYS OR LESS, BUT NOT INCLUDING HOTELS/MOTELS, HOTEL/MOTEL-SUITE, BED AND BREAKFAST, DORMITORY, AND SHALL SUCH TAX REVENUES RECEIVED ANNUALLY BE USED FOR COMMUNITY PROJECTS AND SERVICES ADDRESSING VISITOR IMPACTS IN THE AREAS OF RECREATION, PUBLIC SAFETY, STREET IMPROVEMENTS, PARKING IMPROVEMENTS, CHILD CARE, COMMUNITY HOUSING, AND ANY OTHER CAPITAL PURPOSES, AS HEREAFTER DETERMINED BY THE TOWN COUNCIL; PROVIDED THAT THE COUNCIL SHALL ADOPT AN ORDINANCE TO IMPLEMENT THE TAX INCREASE AS PROVIDED IN THIS QUESTION (INCLUDING PROVISIONS FOR THE METHOD OF COLLECTION AND ENFORCEMENT, ANY EXEMPTIONS FROM THE TAX, AND OTHER DETAILS) AND MAY ADJUST THE RATE OF THE SHORT TERM RENTAL TAX FROM TIME TO TIME SO LONG AS IT DOES NOT EXCEED 6.5%; AND SHALL THE TOWN BE AUTHORIZED TO COLLECT, RETAIN AND SPEND SUCH EXCISE TAX REVENUES, INCLUDING ANY INVESTMENT EARNINGS AND INTEREST ON SUCH REVENUES, AS A VOTER APPROVED REVENUE CHANGE UNDER ARTICLE X, SECTION 20, OF THE COLORADO CONSTITUTION OR ANY OTHER LAW?

Section 5. The Town Clerk of the Town of Minturn (the "Town Clerk") is hereby

appointed as the designated election official of the Town for purposes of performing acts required or permitted by law in connection with the Election.

Section 6. Pursuant to Article X, Section 20(3)(b)(v) of the Colorado Constitution, written comments for the TABOR notice must be submitted to the Town forty-five (45) days before the election. The written comments must be signed by an eligible elector before submission.

Section 7. Pursuant to Article X, Section 20(3)(b) of the Colorado Constitution, at least thirty (30) days before the election, the Town Clerk shall mail at the least cost, a titled notice or set of notices addressed to "All Registered Voters" at each address of one or more active registered voters concerning the ballot question referenced in this Ordinance No. 17-2024. The notice shall be entitled "NOTICE OF ELECTION TO INCREASE TAXES." The notice shall also include all information required by TABOR.

Section 8. If a majority of the votes cast on the question to impose a use tax and lodging tax submitted at the election shall be in favor of imposing such taxes as provided in such questions, the Town acting through the Council shall be authorized to proceed with the necessary action to impose such taxes in accordance with such questions. Any authority to impose use taxes or lodging taxes, if conferred by the results of the election, shall be deemed and considered a continuing authority to impose such taxes so authorized, an no lapse of time shall be considered as exhausting or limiting the full authority so conferred.

Section 9. Pursuant to Section 1-11-203.5, C.R.S., any election contest arising out of a ballot issue or ballot question election concerning the order of the ballot or the form or content of the ballot title shall be commenced by petition filed with the proper court within five days after the title of the ballot issue or ballot question is set.

Section 10. The officers of the Town are hereby authorized and directed to take all action necessary or appropriate to effectuate the provisions of this resolution.

Section 11. If any section, subsection, paragraph, clause, or provision of this resolution shall for any reason be held to be invalid or unenforceable, the invalidity or unenforceability of such section, subsection, paragraph, clause, or provision shall in no manner affect any remaining provisions of this resolution, the intent being that the same are severable.

Section 12**.** All orders, resolutions, bylaws, ordinances or regulations of the Town, or parts thereof, inconsistent with this resolution are hereby repealed to the extent only of such inconsistency.

INTRODUCED, READ BY TITLE, APPROVED ON THE FIRST READING AND ORDERED PUBLISHED BY TITLE ONLY AND POSTED IN FULL ON THE OFFICIAL TOWN WEBSITE THE 17th DAY OF JULY 2024. A PUBLIC HEARING ON THIS ORDINANCE SHALL BE HELD AT THE REGULAR MEETING OF THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO ON THE 7th DAY OF AUGUST 2024 AT 5:30 p.m. AT THE MINTURN TOWN HALL 302 PINE STREET, MINTURN COLORADO 81645.

TOWN OF MINTURN, COLORADO

_____

Earle Bidez, Mayor

ATTEST:

By:
Jay Brunvand, Town Clerk

THE TOWN OF MINTURN, COLORADO, ORDAINS THIS ORDINANCE ENACTED ON SECOND READING AND ORDERED PUBLISHED BY TITLE ONLY AND POSTED IN FULL ON THE OFFICIAL TOWN WEB SITE THIS 7th DAY OF AUGUST 2024.

TOWN OF MINTURN, COLORADO

_____
Earle Bidez, Mayor

ATTEST:

By:_____
Jay Brunvand, Town Clerk

STATE OF COLORADO)
)
COUNTY OF SUMMIT) SS.
)
TOWN OF MINTURN)

I, Jay Brunvand, the Town Clerk of the Town of Minturn, Colorado (the "Town"), do hereby certify:

1. The foregoing pages are a true and correct copy of an Ordinance (the "Ordinance") passed and adopted by the Town Council of the Town (the "Council") at a regular meeting of the Council held on July 17, 2024.

2. The Ordinance was duly introduced, moved and seconded and passed on at the regular meeting of July 17, 2024, by an affirmative vote of a majority of the members of the Council as follows:

Name	"Yes"	"No"	Absent	Abstain
Earle Bidez, Mayor				
Eric Gotthelf, Mayor Pro Tem				
Lynn Feiger, Councilman				
Gusty Kanakis, Councilman				
Tom Priest, Councilman				
Brian Rodine, Councilman				
Kate Schifani, Councilman				

The Ordinance was duly introduced, moved and seconded and passed on at the regular meeting of August 7, 2024, by an affirmative vote of a majority of the members of the Council as follows:

Name	"Yes"	"No"	Absent	Abstain
Earle Bidez, Mayor				
Eric Gotthelf, Mayor Pro Tem				
Lynn Feiger, Councilman				
Gusty Kanakis, Councilman				
Tom Priest, Councilman				
Brian Rodine, Councilman				
Kate Schifani, Councilman				

1. The members of the Council were present at the meeting and voted on the passage of such Resolution as set forth above.

2. The Ordinance was approved and authenticated by the signature of the Mayor, sealed with the Town seal, attested by the Town Clerk and recorded in the minutes of the Council.

3. There are no bylaws, rules or regulations of the Council which might prohibit the adoption of said Ordinance.

4. Notice of the regular meeting of July 17, 2024 and August 7, 2024, are attached hereto as Exhibit A was posted at the Minturn Town Hall, 302 Pine St, Minturn, Colorado, not less than twenty-four hours prior to the meeting in accordance with law.

_____

Town Clerk

(SEAL)

EXHIBIT A
(Attach Notice of Meeting)

65261919.v1
65302175.v1

To: Mayor and Town Council
From: Cindy Krieg, Economic Development
Date: 07/12/2024
Agenda Item: DDA Ballot Question – Ordinance 18-2024

REQUEST:
Staff is requesting consideration of Ord 18-2024 as discussed and directed at the June 19 Council meeting.

INTRODUCTION:
The Town of Minturn has been considering the values a DDA could bring to this community off and on for almost three years. In this time, staff and some business and property owners of Minturn's downtown area have investigated this option with the culmination of the attendance at the 2022 DCI Conference in Colorado Springs. From there the Town returned with an action plan for the potential to create a DDA from which we have slowly been progressing ever since. The Town recently completed a secondary financial analysis by consultant Jim Mann, to better understand the potential income revenues of a DDA. This analysis is currently being expounded to include a debt authorization recommendation amount, to be included in second reading.

During Q2, the Town (with help from DCI) held final meetings with downtown stakeholders (including an in-person open house event on June 10th), and had a public discussion during the June 19th Town Council Meeting, on this topic. There was broad support from downtown commercial stakeholders, and from Town Council.

ANALYSIS:
A Downtown Development Authority functions as quasi-municipal corporation which is intended to halt or prevent deterioration of property values or structures in a Central Business District. To this end, a DDA is focused with finding ways for improving real estate development, infrastructure, and operations of a downtown area. It does this by leveraging any future increase in assessed property valuations within the approved DDA boundary. This allows the DDA to reinvest in Minturn's downtown and keep money in Minturn which would have otherwise gone to the bevy of other organizations that see revenue through property taxes, such as the School District, Cemetery District, Library District, Eagle County, and others. The complete mill levy breakout can be found on electronic page 81 of the 2024 Minturn budget. This is all done through a mechanism called Tax Increment Financing (TIF).

Staff is recommending the above concept which includes no increase in taxes. To form a DDA, firstly, the Council must approve the concept. An election of the property owners and lease-holders included in the DDA boundary is then required. If approved, a DDA has a lifespan of 30 years with the potential to be extended by an affirmative action of the Council.

An additional memo, including the final financial assessment and debt authorization recommendation, will be forthcoming for second reading.

COMMUNITY INPUT: Ongoing over the past 3 years, including multiple stakeholder meetings, discussions at the Council-level, and informational sessions.

BUDGET / STAFF IMPACT: Election costs of approximately $1500

STRATEGIC PLAN ALIGNMENT:

PRACTICE FAIR, TRANSPARENT AND COMMUNICATIVE LOCAL GOVERNMENT.

SUSTAIN AND INVEST IN THE THINGS THAT DEFINE MINTURN AS A PROUD, STURDY MOUNTAIN TOWN TO "KEEP MINTURN MINTURN"

ADVANCE DECISIONS/PROJECTS/INITIATIVES THAT EXPAND FUTURE OPPORTUNITY AND VIABILITY FOR MINTURN

RECOMMENDED ACTION OR PROPOSED MOTION:

Motion to approve Ordinance 18-2024 as presented.

ATTACHMENTS:

- DDA Creation Ordinance No. 18-2024
- Proposed Boundary Map

TOWN OF MINTURN, COLORADO
ORDINANCE NO. 18 – SERIES 2024

AN ORDINANCE OF THE TOWN OF MINTURN, COLORADO (1) DETERMINING THE NECESSITY OF ESTABLISHING THE MINTURN DOWNTOWN DEVELOPMENT AUTHORITY AND (2) SUBMITTING THE QUESTION OF ESTABLISHING THE MINTURN DOWNTOWN DEVELOPMENT AUTHORITY AND (3) A DEBT AUTHORIZATION QUESTION TO AN ELECTION OF QUALIFIED ELECTORS AT A COORDINATED COUNTY ELECTION TO BE HELD ON NOVEMBER 5, 2024

WHEREAS, the Town of Minturn ("Town") is a Colorado home rule municipality organized pursuant to Article XX of the Colorado Constitution and with the authority of the Town of Minturn Home Rule Charter for which the Minturn Town Council ("Town Council") is authorized to act; and

WHEREAS, pursuant to the Colorado Revised Statutes (C.R.S.) 31-25-801 to 822, (the "Downtown Development Authority Act"), the Town is authorized to establish a Downtown Development Authority if the Minturn Town Council finds and determines that the establishment of a Downtown Development Authority is necessary to develop and redevelop the Town's downtown commercial core and will serve a public purpose; will promote the long-term viability and general welfare of Minturn; will halt or prevent deterioration of property values or structures within the Town's commercial core, and will assist the Town in the development and redevelopment of the business district in the overall planning to restore or provide for the continuance of the economic health thereof; and will be of special benefit to the properties within the Downtown Development Authority; and

WHEREAS, pursuant to C.R.S. 31-25-804, the Town may submit the question of the establishment of the Downtown Development Authority at a regular election and may submit to the qualified electors of the proposed Downtown Development Authority any local government matters arising under Section 20 of article X of the Colorado Constitution.

WHEREAS, the County Clerk of Eagle County (the "County Clerk") is conducting a coordinated election on November 5, 2024 pursuant to Section 1-7-116, C.R.S.; and

WHEREAS, it is necessary to set forth certain procedures concerning the conduct of the election.

NOW THEREFORE, BE IT ORDAINED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO:

SECTION 1. Need for the Minturn Downtown Development Authority. The Minturn Town Council hereby determines it necessary to establish a Downtown Development Authority to be known as the "Minturn Downtown Development Authority" (the "DDA") to promote public

health, safety, prosperity, security, welfare, and the long-term viability of Minturn; will carry out the purposes of an authority as stated in section 31-25-801; will halt or prevent deterioration of property values or structures within the Town's commercial core, and will assist the Town in the development and redevelopment of the business district in the overall planning to restore or provide for the continuance of the economic health thereof; and will be of special benefit to the properties within the Downtown Development Authority; and

SECTION 2. Minturn Downtown Development Authority. Upon formation, the DDA shall be a body corporate with all the powers authorized by the Downtown Development Authority Act and any amendment thereto, and all additional or supplemental power necessary or implied to carry out and effectuate its purposes, and such other powers and authority as provided by law.

SECTION 3. Boundaries. The boundaries of the DDA are described and shown on the attached **Exhibit A**. The area shown on the attached **Exhibit A** is the area of the Town which is and has traditionally been the location of the principal business and commercial center, zoned and used accordingly.

SECTION 4. Organization Election. A coordinated election is to be held on November 5, 2024 whereby the qualified electors of the proposed DDA shall vote on the ballot question. The ballot question shall be substantially in the form of:

BALLOT ISSUE A

Shall the Minturn Downtown Development Authority be organized pursuant to Part 8 of Article 25 of Title 31, Colorado Revised Statutes, to exercise all powers authorized therein and in any approved plan of development within the boundaries of the Minturn Downtown Development Authority described in Ordinance No. 18 approved by the Minturn Town Council on August 7, 2024?

SECTION 5. Debt Election. Pursuant to the Downtown Development Authority Act, Section 20 of article X of the Colorado Constitution, and the Town Charter, as applicable, there shall be submitted to the qualified electors of the proposed DDA of the area described and described on **Exhibit A**, the following ballot issue with a ballot title and ballot text in substantially the following form:

BALLOT ISSUE B

WITHOUT INCREASING TAXES, AND SUBJECT TO THE APPROVAL OF BALLOT ISSUE A, SHALL THE TOWN OF MINTURN, COLORADO ('TOWN"), ON BEHALF OF AND FOR USE BY THE TOWN OF MINTURN DOWNTOWN DEVELOPMENT AUTHORITY (THE "DDA"), BE AUTHORIZED TO INCREASE ITS DEBT PRINCIPAL BY UP TO $XXMILLION (MAXIMUM PRINCIPAL AMOUNT), WITH A TOTAL REPAYMENT COST INCLUDING INTEREST AND FEES OF NOT MORE THAN $XX MILLION (MAXIMUM TOTAL PRINCIPAL AND INTEREST COSTS), FOR OBLIGATIONS THAT ARE SUBJECT TO TABOR'S ELECTION

REQUIREMENTS AND WITHOUT SUCH LIMITATIONS FOR OBLIGATIONS THAT ARE NOT SUBJECT TO TABOR'S ELECTION REQUIREMENTS;

FOR THE PURPOSE OF FINANCING THE COSTS OF DEVELOPMENT PROJECTS TO BE UNDERTAKEN BY OR ON BEHALF OF THE DDA PURSUANT TO THE DDA PLAN OF DEVELOPMENT, AS IT MAY BE AMENDED FROM TIME TO TIME, INCLUDING WITHOUT LIMITATION, ANY PUBLIC IMPROVEMENTS OR PROJECTS DESCRIBED IN THE DDA PLAN, AND APPLICABLE PROVISIONS OF COLORADO LAW;

SUCH DEBT AND THE INTEREST THEREON TO BE PAID FROM AND SECURED BY A PLEDGE OF THE SPECIAL FUND OF THE TOWN WHICH SHALL CONTAIN TAX INCREMENT REVENUES LEVIED AND COLLECTED WITHIN THE BOUNDARIES OF THE DDA; AND SHALL SUCH DEBT BE EVIDENCED BY BONDS, LOANS, ADVANCES, OR OTHER INDEBTEDNESS OR FINANCIAL OBLIGATIONS, TO BE SOLD IN ONE SERIES OR MORE, FOR A PRICE ABOVE OR BELOW THE PRINCIPAL AMOUNT THEREOF, ON TERMS AND CONDITIONS, AND WITH SUCH MATURITIES AS PERMITTED BY LAW AND AS THE TOWN MAY DETERMINE, INCLUDING PROVISIONS FOR THE REDEMPTION OF THE DEBT PRIOR TO MATURITY WITH OR WITHOUT PAYMENT OF A PREMIUM OF NOT MORE THAN 3% OF THE PRINCIPAL AMOUNT SO REDEEMED; AND SHALL THE TOWN AND THE DDA BE AUTHORIZED TO COLLECT, RETAIN AND SPEND THE TAX INCREMENT REVENUES, THE BOND PROCEEDS AND THE INVESTMENT INCOME THEREON AS A VOTER-APPROVED REVENUE CHANGE AND EXCEPTION TO THE LIMITS WHICH WOULD OTHERWISE APPLY UNDER ARTICLE X, SECTION 20 OF THE COLORADO CONSTITUTION OR ANY OTHER LAW?

Additional Acts. In the event the establishment of a DDA is approved by a majority of the qualified electors voting thereon, Board shall comply with the requirements of the Downtown Development Authority Act for the organization of the DDA, including establishing the number and appointment of the DDA's Board of Directors.

SECTION 6. Maximum Net Effective Interest Rate of DDA Bonds. If bonds are issued to support the activities of the DDA in the future, such ordinance or resolution by which the bonds are issued shall specify the maximum net effective interest rate of such bonds.

SECTION 7. Election Official. The Town Clerk of the Town of Minturn (the "Town Clerk") is hereby appointed as the designated election official of the Town for purposes of performing acts required or permitted by law in connection with the Election.

SECTION 8. Actions by Town Officers and Employees. The officers of the Town are hereby authorized and directed to take all action necessary or appropriate to effectuate the provisions of this resolution.

SECTION 9. Election Contest. Pursuant to Section 1-11-203.5, C.R.S., any election contest arising out of a ballot issue or ballot question election concerning the order of the ballot or the form or content of the ballot title shall be commenced by petition filed with the proper court within five days after the title of the ballot issue or ballot question is set.

SECTION 10. Severability. If any section, subsection, paragraph, clause, or provision of this resolution shall for any reason be held to be invalid or unenforceable, the invalidity or unenforceability of such section, subsection, paragraph, clause, or provision shall in no manner affect any remaining provisions of this resolution, the intent being that the same are severable.

SECTION 11. All orders, resolutions, bylaws, ordinances or regulations of the Town, or parts thereof, inconsistent with this ordinance are hereby repealed to the extent only of such inconsistency.

INTRODUCED, READ BY TITLE, APPROVED ON THE FIRST READING AND ORDERED PUBLISHED BY TITLE ONLY AND POSTED IN FULL ON THE OFFICIAL TOWN WEBSITE THE 17th DAY OF JULY 2024. A PUBLIC HEARING ON THIS ORDINANCE SHALL BE HELD AT THE REGULAR MEETING OF THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO ON THE 7TH DAY OF AUGUST 2024 AT 5:30 p.m. AT THE MINTURN TOWN HALL 302 PINE STREET, MINTURN COLORADO 81645.

TOWN OF MINTURN, COLORADO

_____
Earle Bidez, Mayor

ATTEST:

By:_____
Jay Brunvand, Town Clerk

THE TOWN OF MINTURN, COLORADO, ORDAINS THIS ORDINANCE ENACTED ON SECOND READING AND ORDERED PUBLISHED BY TITLE ONLY AND POSTED IN FULL ON THE OFFICIAL TOWN WEBSITE THIS 7TH DAY OF AUGUST 2024.

TOWN OF MINTURN, COLORADO

_____
Earle Bidez, Mayor

ATTEST:

By:_____
Jay Brunvand, Town Clerk

STATE OF COLORADO)
)
COUNTY OF EAGLE) SS.
)
TOWN OF MINTURN)

I, Jay Brunvand, the Town Clerk of the Town of Minturn, Colorado (the "Town"), do hereby certify:

1. The foregoing pages are a true and correct copy of an Ordinance (the "Ordinance") passed and adopted by the Town Council of the Town (the "Council") at a regular meeting of the Council held on July 17, 2024.

2. The Ordinance was duly introduced, moved and seconded and passed at the regular meeting of July 17, 2024, by an affirmative vote of a majority of the members of the Council as follows:

Name	"Yes"	"No"	Absent	Abstain
Earle Bidez, Mayor				
Eric Gotthelf, Mayor Pro Tem				
Lynn Feiger, Councilman				

Gusty Kanakis, Councilman				
Tom Priest, Councilman				
Brian Rodine, Councilman				
Kate Schifani, Councilman				

The Ordinance was duly introduced, moved and seconded and passed at the regular meeting of August 7, 2024, by an affirmative vote of a majority of the members of the Council as follows:

Name	"Yes"	"No"	Absent	Abstain
Earle Bidez, Mayor				
Eric Gotthelf, Mayor Pro Tem				
Lynn Feiger, Councilman				
Gusty Kanakis, Councilman				
Tom Priest, Councilman				
Brian Rodine, Councilman				
Kate Schifani, Councilman				

1. The members of the Council were present at the meeting and voted on the passage of such Ordinance as set forth above.

2. The Ordinance was approved and authenticated by the signature of the Mayor, sealed with the Town seal, attested by the Town Clerk and recorded in the minutes of the Council.

3. There are no bylaws, rules or regulations of the Council which might prohibit the adoption of said Ordinance.

4.

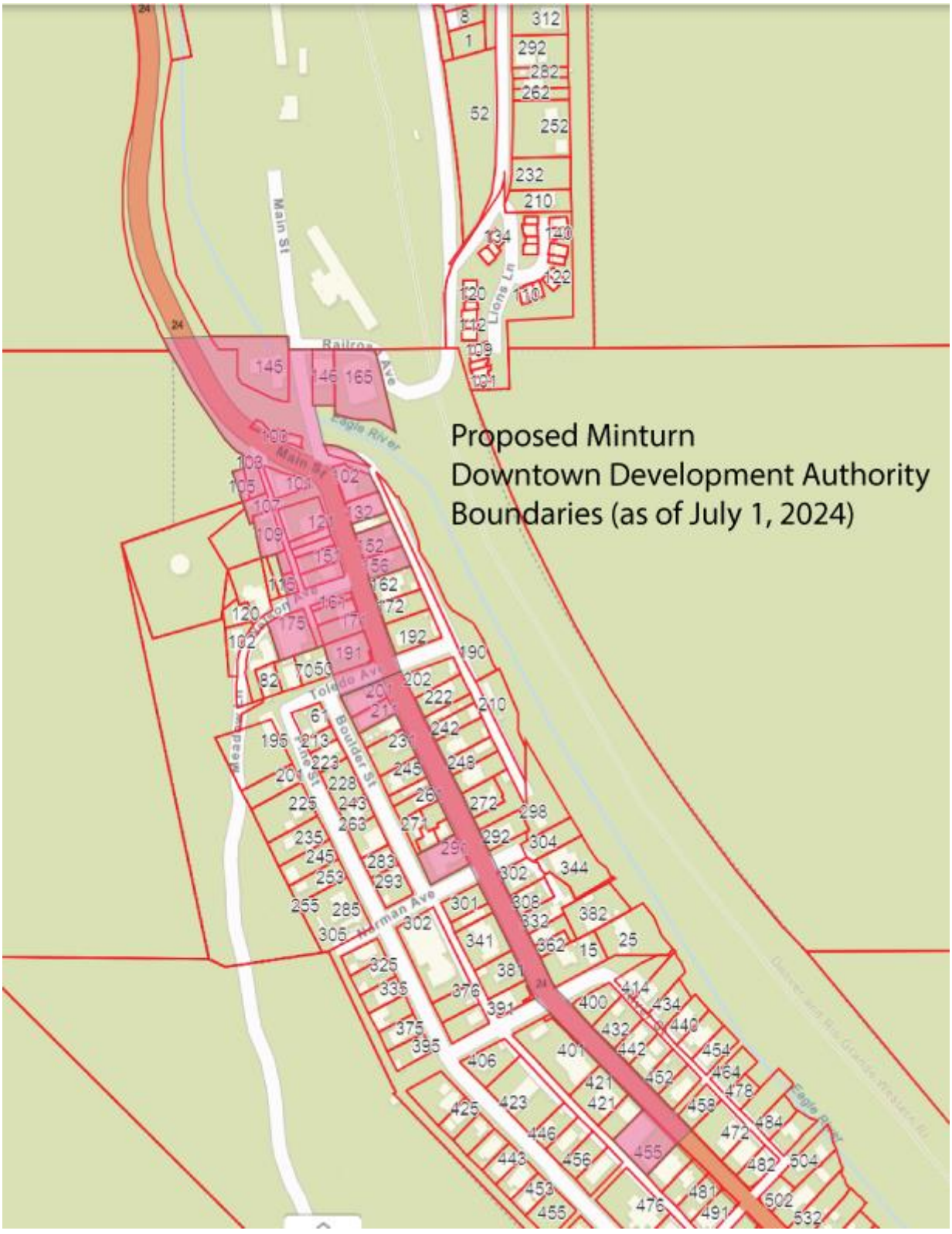
5. Notice of the regular meeting of July 17, 2024, and August 7, 2024, was posted at the Minturn Town Hall, 302 Pine St, Minturn, Colorado, not less than twenty-four hours prior to the meeting in accordance with law.

_____
Town Clerk

(SEAL)

EXHIBIT A

(Description and Depiction of boundaries of DDA)



MEMO

TO: Michelle Metteer, Manager

DATE: July 13, 2024

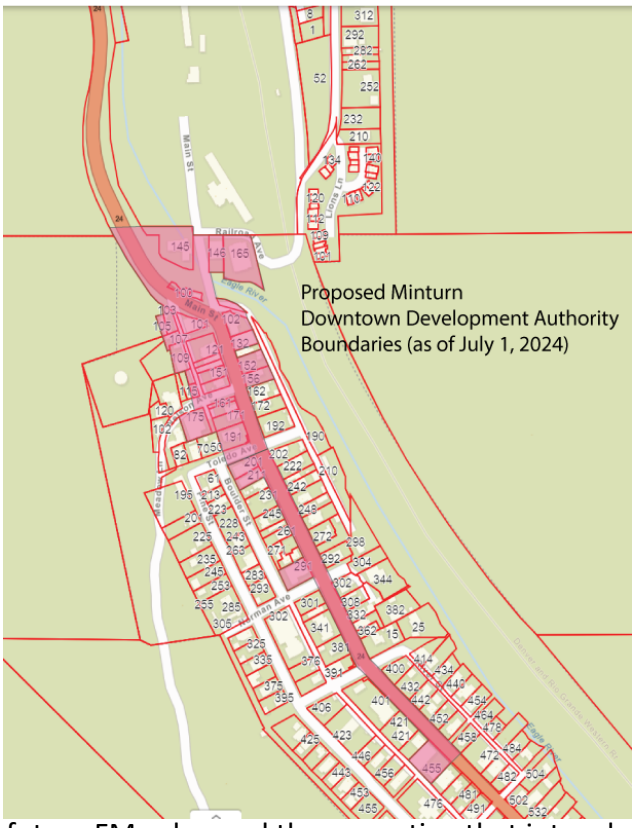
FROM: James Mann, Financial Analyst

RE: Downtown Development Authority – Inventory of Properties and Projected Development

Draft

In evaluating the potential for a Minturn Downtown Development Authority, you have asked that I prepare a property inventory, and generate estimates of potential development and/or redevelopment. In looking at the potential of a district, the following general assumptions have been utilized:

1. Map of District is depicted to the right:
2. The properties included in the initial boundary have the following fair market (FM) values
    a. Land - $8,275,690
    b. Improvements - $20,341,710
    c. Total FM - $29,098,040
    d. Assessed - $4,760,600
    e. Overall Assessed Ratio: 16.36%
3. Biennial 4.00% increase in value
4. No further changes to how assessments are calculated by the state
5. Mill Levy remains as it is current set, 72.908/1,000



As you may recall, we have estimated development potential, taking into consideration a conservative, moderate and aggressive approach to estimate the potential future FM value and then equating that into what the assessed value would be. In looking at potential development, we identified six conceptual developments. The assumptions used were as follows:

1. Evaluate buildable square footage of lot, less set back requirements, and then assuming a 90% build for the redevelopment subset.

2. Assume commercial redevelopment on first floor, with second floor residential, and a third incentive floor per the Town's code.
    a. Conservative Growth assumption did not include the incentive floor
    b. Moderate Growth assumption was the average between the Conservative and Aggressive approaches
    c. Aggressive Growth assumption included incentive floors
3. Square footage values:
    a. Residential - $688/square
    b. Commercial - $250/square
    c. Land - $125/square
4. Included a 0.50% to 2.00% natural annual valuation increase, based on improvement made to district properties
5. Utilized a nominal borrowing rate of 5.00%

It is further assumed that development will generally occur over a five-year period, with the first project undertaking in 2026, which would be assessed in 2027, with first revenues occurring in 2028. It should also be understood that following year 20, a recalculation of the base value will occur, placing half of any growth back into the base of the district.

Given the above, I have estimated that the development potential to be as follows:

	Total FM Value	Gross Revenue Stream	Net Present Value
Conservative	21,113,133	5,719,580	2,982,899
Moderate	32,615,920	8,333,199	4,338,880
Aggressive	44,118,706	10,946,818	5,694,861

Attached you will find the following documents:

- District Property Inventory
- Redevelopment Summary

To: Town Council
From: Madison Harris
Date: July 9, 2024
Agenda Item: Resolution 39 - Series 2024 - Minturn North - Request for Exemption from Sec. 16-17-110 - Underground utilities

REQUEST:
Review Resolution 39 - Series 2024 and make a decision to approve, approve with conditions, or deny the request by the developers of the Minturn North PUD to be granted temporary exemption from Sec. 16-17-110 - Underground utilities.

INTRODUCTION:
The developers of Minturn North PUD would like to request temporary exemption from Sec. 16-17-110 - Underground utilities for the duration of infrastructure work.

ANALYSIS:
Sec. 16-17-110 - Underground utilities states the following: "*Except as otherwise approved by the Town Council, all wires, cables or other equipment for the distribution of electric energy and telecommunications signals, with the exception of transformers, meters, junction boxes and similar equipment, shall be placed underground. Where developments are approved along or with crossing existing overhead power and communication facilities, energy and telecommunications may be obtained from these existing facilities. The service connections to these facilities shall be placed underground unless otherwise approved by the Town Council due to economic, engineering or aesthetic reasons. Utility easements and right-of-way shall be provided as part of the development.*"

The Applicant is requesting a two year exemption from Sec. 16-17-110, as this need is temporary in nature. Per the Applicant's email: "The temporary overhead power line will supply electricity to the job site through the duration of infrastructure work. Use of this line should not exceed two years."

COMMUNITY INPUT:
Ongoing.

BUDGET / STAFF IMPACT: TBD

STRATEGIC PLAN ALIGNMENT:
PRACTICE FAIR, TRANSPARENT AND COMMUNICATIVE LOCAL GOVERNMENT

ATTACHMENTS:
- Resolution 39 - Series 2024
- Email from Taylor Hermes dated June 28, 2024
- Site plan for Minturn North PUD showing temporary overhead utility line

Madison Harris

From: Taylor Hermes <thermes@resortconceptsco.com>
Sent: Friday, June 28, 2024 2:35 PM
To: Madison Harris; Scot Hunn
Cc: Rick Hermes; Jeff Townsend; Derrick Gerhardt
Subject: Application for Temporary Power at Minturn North
Attachments: 2024.06.28_MN_TempPower_SitePlan.pdf

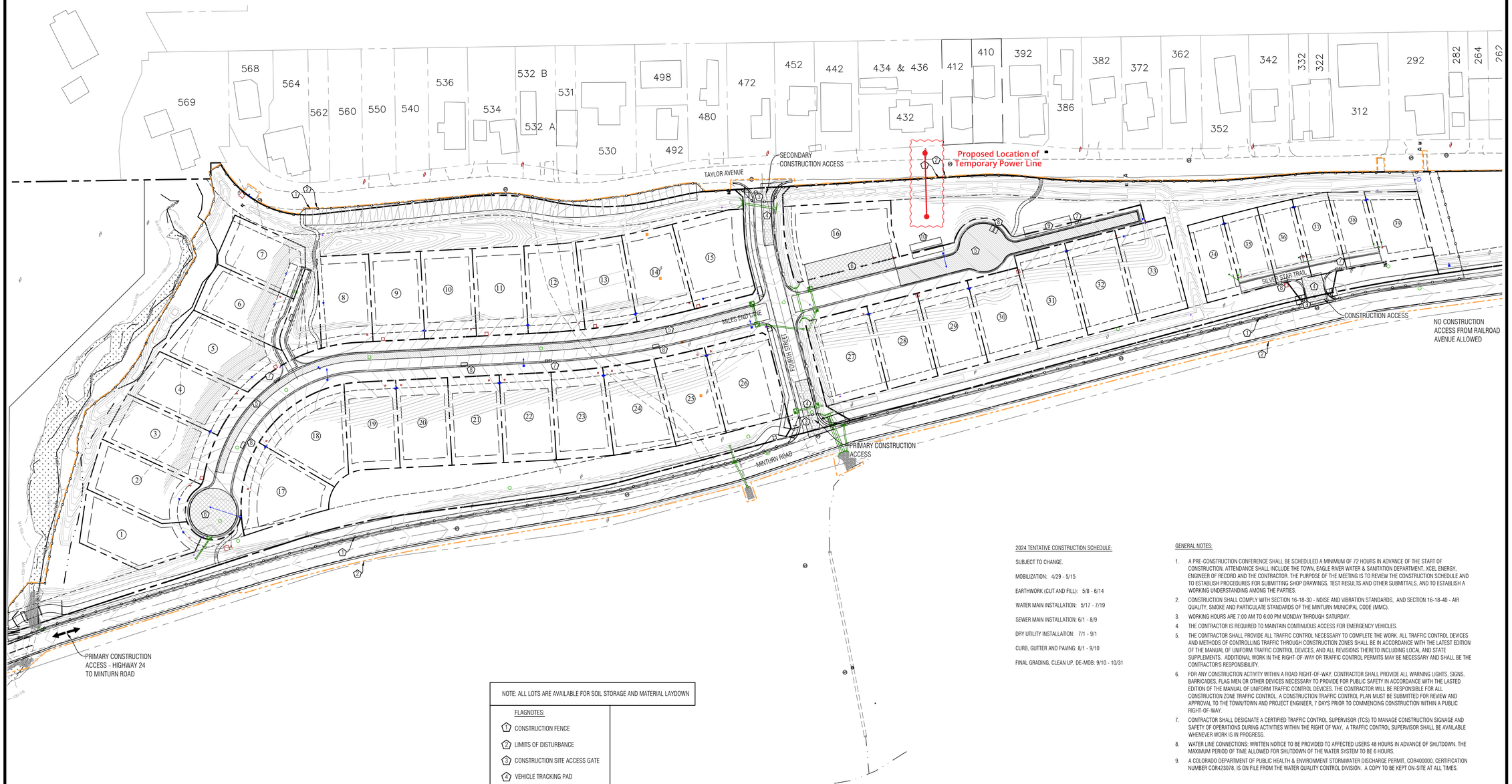
Hi Madison,

We would like to formally request the Town Council's approval of a temporary overhead power supply from the existing pole located in front of 432 Taylor Avenue to the Minturn North parcel, South of Lot 16. The temporary overhead power line will supply electricity to the job site through the duration of infrastructure work. Use of this line should not exceed two years. I have attached a site plan showing the location of the temporary overhead power line.

Please let me know if staff or the Council requires any additional information.

Thank you,

Taylor Hermes
c: (512) 468-3012
o: (970) 926-1720
ResortConceptsCO.com



NOTE: ALL LOTS ARE AVAILABLE FOR SOIL STORAGE AND MATERIAL LAYDOWN

FLAGNOTES:

1. CONSTRUCTION FENCE
2. LIMITS OF DISTURBANCE
3. CONSTRUCTION SITE ACCESS GATE
4. VEHICLE TRACKING PAD
5. CONTRACTOR PARKING
6. MATERIAL LAYDOWN
7. PORT-O-LET
8. DUMPSTER
9. 12' x 60' JOB TRAILER
10. 40' STORAGE CONTAINERS

2024 TENTATIVE CONSTRUCTION SCHEDULE:

SUBJECT TO CHANGE.

MOBILIZATION: 4/29 - 5/15

EARTHWORK (CUT AND FILL): 5/8 - 6/14

WATER MAIN INSTALLATION: 5/17 - 7/19

SEWER MAIN INSTALLATION: 6/1 - 8/9

DRY UTILITY INSTALLATION: 7/1 - 9/1

CURB, GUTTER AND PAVING: 8/1 - 9/10

FINAL GRADING, CLEAN UP, DE-MOB: 9/10 - 10/31

GENERAL NOTES:

1. A PRE-CONSTRUCTION CONFERENCE SHALL BE SCHEDULED A MINIMUM OF 72 HOURS IN ADVANCE OF THE START OF CONSTRUCTION. ATTENDANCE SHALL INCLUDE THE TOWN, EAGLE RIVER WATER & SANITATION DEPARTMENT, XCEL ENERGY, ENGINEER OF RECORD AND THE CONTRACTOR. THE PURPOSE OF THE MEETING IS TO REVIEW THE CONSTRUCTION SCHEDULE AND TO ESTABLISH PROCEDURES FOR SUBMITTING SHOP DRAWINGS, TEST RESULTS AND OTHER SUBMITTALS, AND TO ESTABLISH A WORKING UNDERSTANDING AMONG THE PARTIES.
2. CONSTRUCTION SHALL COMPLY WITH SECTION 16-18-30 - NOISE AND VIBRATION STANDARDS, AND SECTION 16-18-40 - AIR QUALITY, SMOKE AND PARTICULATE STANDARDS OF THE MINTURN MUNICIPAL CODE (MMC).
3. WORKING HOURS ARE 7:00 AM TO 6:00 PM MONDAY THROUGH SATURDAY.
4. THE CONTRACTOR IS REQUIRED TO MAINTAIN CONTINUOUS ACCESS FOR EMERGENCY VEHICLES.
5. THE CONTRACTOR SHALL PROVIDE ALL TRAFFIC CONTROL NECESSARY TO COMPLETE THE WORK. ALL TRAFFIC CONTROL DEVICES AND METHODS OF CONTROLLING TRAFFIC THROUGH CONSTRUCTION ZONES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND ALL REVISIONS THERETO INCLUDING LOCAL AND STATE SUPPLEMENTS. ADDITIONAL WORK IN THE RIGHT-OF-WAY OR TRAFFIC CONTROL PERMITS MAY BE NECESSARY AND SHALL BE THE CONTRACTORS RESPONSIBILITY.
6. FOR ANY CONSTRUCTION ACTIVITY WITHIN A ROAD RIGHT-OF-WAY, CONTRACTOR SHALL PROVIDE ALL WARNING LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH THE LASTED EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL CONSTRUCTION ZONE TRAFFIC CONTROL. A CONSTRUCTION TRAFFIC CONTROL PLAN MUST BE SUBMITTED FOR REVIEW AND APPROVAL TO THE TOWN/TOWN AND PROJECT ENGINEER, 7 DAYS PRIOR TO COMMENCING CONSTRUCTION WITHIN A PUBLIC RIGHT-OF-WAY.
7. CONTRACTOR SHALL DESIGNATE A CERTIFIED TRAFFIC CONTROL SUPERVISOR (TCS) TO MANAGE CONSTRUCTION SIGNAGE AND SAFETY OF OPERATIONS DURING ACTIVITIES WITHIN THE RIGHT OF WAY. A TRAFFIC CONTROL SUPERVISOR SHALL BE AVAILABLE WHENEVER WORK IS IN PROGRESS.
8. WATER LINE CONNECTIONS: WRITTEN NOTICE TO BE PROVIDED TO AFFECTED USERS 48 HOURS IN ADVANCE OF SHUTDOWN. THE MAXIMUM PERIOD OF TIME ALLOWED FOR SHUTDOWN OF THE WATER SYSTEM TO BE 6 HOURS.
9. A COLORADO DEPARTMENT OF PUBLIC HEALTH & ENVIRONMENT STORMWATER DISCHARGE PERMIT, COR400000, CERTIFICATION NUMBER COR423078, IS ON FILE FROM THE WATER QUALITY CONTROL DIVISION. A COPY TO BE KEPT ON-SITE AT ALL TIMES.

MATERIAL TESTING/QUALITY ASSURANCE NOTES:

1. ALL TESTS AND INSPECTIONS AS REQUIRED BY CODES, ORDINANCES OR FOR MATERIAL CERTIFICATION AND CONSTRUCTION AS NOTED IN THE PLANS AND SPECIFICATIONS SHALL BE PAID BY THE CONTRACTOR. ANY COSTS FOR ADDITIONAL TESTING DUE TO FAILED TESTS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND PAID DIRECTLY TO THE TESTING AGENT.
2. SAMPLING OF MATERIALS, TESTING METHODS AND TESTING EQUIPMENT SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS OR TENTATIVE METHOD OF THE REFERENCED SPECIFICATIONS.
3. CONTRACTOR TO NOTIFY ENGINEER OF RECORD WHEN TOPSOIL/ORGANICS HAVE BEEN STRIPPED TO CONFIRM REMOVAL IS ADEQUATE.
4. ENGINEER OF RECORD AND TESTING AGENT TO FIELD VERIFY SUBGRADE BY WITNESSING A LOADED TANDEM WHEEL ROLL TEST OF SUBGRADE FOR CURB/ASPHALT.
5. TESTING FREQUENCY SHALL CONFORM TO THE CDOT FIELD MATERIALS MANUAL, LATEST EDITION, OR THE FOLLOWING, WHICHEVER IS MORE FREQUENT. AT A MINIMUM, TESTING AGENT TO PERFORM NUCLEAR DENSITY TESTING OF THE FOLLOWING:
   - 5.a. TRENCHES: EVERY 100-FEET FOR THE LOWER 12-INCHES OF FILL AND EACH 24-INCHES OF FILL THEREAFTER.
   - 5.b. STRUCTURAL FILL: EVERY 100-FEET, FOR EACH 2-FEET OF FILL.
   - 5.c. SUBGRADE: EVERY 100-FEET.
   - 5.d. BASE COURSE: EVERY 100-FEET.
   - 5.e. ASPHALT: EVERY 100-FEET.
6. TESTING AGENT SHALL OBTAIN CONCRETE CYLINDERS FOR TESTING EACH DAY CONCRETE IS POURED.
7. TESTING AGENT SHALL PERFORM A MARSHAL TEST OF THE ASPHALT.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE MATERIAL AND COMPACTION TESTING WITH THE PROJECT ENGINEER AND TESTING AGENT AND ADHERING TO THE TESTING SCHEDULE DEFINED.
9. TESTING AGENT SHALL PROVIDE THE CONTRACTOR, TOWN AND ENGINEER OF RECORD WITH COPIES OF ALL TEST RESULTS AND REPORTS CONFIRMING COMPLIANCE.

Boundaries Unlimited Inc.
Civil Engineering
Surveying
& Beyond
923 Cooper Ave., Ste. 201
Glenwood Springs, CO 81601
(T) 970.945.5252
www.bu-inc.com

Subsurface Utility Engineering (SUE)
Required Project: ***TBD***
If "Yes", SUE Certification by:
Firm: ***TBD***
Job #: ***TBD***
Date: ***TBD***

Engineer or Surveyor Seal

NOT FOR CONSTRUCTION
Review

Client Information:
MINTURN NORTH LAND COMPANY LLC
PO BOX 2633
EDWARDS, CO 81632
970 926-1720

NORTH
0 60' 120'
Scale: 1" = 60'

811
Know what's below.
Call before you dig.

TOWN OF MINTURN, COLORADO

Minturn North P.U.D.

Construction Management Plan

Town Review 4/17/24

No	Date	Revision	By
1			
2			
3			
4			
5			
6			
7			
8			
9			

PROJECT NO.
22036
Designer:
PAH
Drafter:
BOI
Date:
12/25/22

Sheet
CMP1

File Name: ***22036 c-erosion post.dwg***

N:\PROJECTS\2022\22036-Minturn North\dwg\22036 C-Erosion Post.dwg 4/17/2024 2:00 PM

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 39 – SERIES 2024

A RESOLUTION APPROVING THE REQUEST FOR EXEMPTION FROM SECTION 16-17-110 – UNDERGROUND UTILITIES TEMPORARILY AT THE MINTURN NORTH DEVELOPMENT, TOWN OF MINUTURN

WHEREAS, The Town of Minturn received a request for temporary exemption from Sec. 16-17-110 to allow for temporary overhead power on June 28, 2024; and

WHEREAS, The Town of Minturn Town Council ("Town Council") is commissioned with certain powers and duties contained in the Minturn Municipal Code ("MMC") Home Rule Charter Section 4.4; and

WHEREAS, on July 17, 2024 the Town Council heard the request pursuant to MMC Sec. 16.17.110; and

WHEREAS, The Town Council may approve the request as submitted or may approve the request subject to such modifications or conditions as it deems necessary to accomplish the purpose of this Article, or the Town Council may deny the request.

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO HEREBY AND HEREWITH:

Section 1. That the request for temporary exemption from Sec. 16-17-110. – Underground utilities be approved subject to the following condition:

1. The temporary overhead power supply from the existing pole located in front of 432 Taylor Avenue to the Minturn North development, south of Lot 16, 0070 Miles End Lane shall expire July 31, 2026.

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 17TH day of July, 2024.

TOWN OF MINTURN

By: _____
Earle Bidez, Mayor

ATTEST:

_____
Jay Brunvand, Town Clerk

TOWN OF MINTURN, COLORADO
RESOLUTION NO. 40 - SERIES 2024

A RESOLUTION AUTHORIZING THE MAYOR OF THE TOWN OF MINTURN TO SIGN A THIRD AMENDMENT TO A SETTLEMENT AGREEMENT BETWEEN THE BATTLE MOUNTAIN ENTITIES AND THE TOWN OF MINTURN EXTENDING THE APPROVALS PERIOD AND SETTLEMENT AGREEMENT TERM.

WHEREAS, on March 4, 2022, the Town of Minturn ("Town") commenced litigation against the Battle Mountain Entities in a case known as *Town of Minturn v. Battle One Developer, LLLP et al.*, Eagle County District Court Case No. 2022CV30050 (the "Litigation"). In the Litigation, the Town alleges that Battle Mountain Entities have breached various agreements, and the Battle Mountain Entities have asserted counterclaims against the Town.

WHEREAS, pursuant to Resolution 25 – Series 2023, on September 6, 2023, the Minturn Town Council ("Town Council") approved and authorized execution of that certain Settlement Agreement having an effective date of September 6, 2023 (the "Original Settlement Agreement") by and among the Town and Battle Mountain Entities for the purposes of, among other things, providing a potential path to resolve the Litigation and providing a path forward for the Battle Mountain Entities to undertake a reduced amount of development on their property.

WHEREAS, pursuant to Resolution 11 – Series 2024, on March 6, 2024, Town Council approved and authorized execution of that certain First Amendment to Settlement Agreement having an effective date of March 6, 2024 and pursuant to Resolution 30 – Series 2024, on June 19, 2024, Town Council approved and authorized execution of that certain Second Amendment to Settlement Agreement having an effective date of June 19, 2024 (the "**Second Amendment**," and together with the Original Settlement Agreement and First Amendment, the "**Settlement Agreement**") by and among the Town and Battle Mountain Entities for the purposes of extending the Approvals Period and the outside expiration date of the Settlement Agreement term.

WHEREAS, the Settlement Agreement's Approvals Period expires on July 18, 2024 and the outside expiration date for the term set forth in Section 9 of the Settlement Agreement is August 22, 2024.

WHEREAS, the Town and Battle Mountain Entities seek to extend the Settlement Agreement's Approvals Period and term to provide additional time to implement the Settlement.

NOW THEREFORE, BE IT RESOLVED BY THE TOWN COUNCIL OF THE TOWN OF MINTURN, COLORADO:

1. The Town Council approves the Third Amendment to Settlement Agreement attached as Exhibit A and authorizes the Mayor or his designee to sign on behalf of the Town any and all documents required to reasonably ensure completion.

INTRODUCED, READ, APPROVED, ADOPTED AND RESOLVED this 17th day of July, 2024.

TOWN OF MINTURN, COLORADO

_____
Earle Bidez, Mayor

ATTEST:

By: _____
Jay Brunvand, Town Clerk

Exhibit A

Third Amendment to Settlement Agreement

[to be inserted]

THIRD AMENDMENT TO SETTLEMENT AGREEMENT

This THIRD AMENDMENT TO SETTLEMENT AGREEMENT (this "**Third Amendment**") is made and entered into as of July 18, 2024 ("**Third Amendment Effective Date**") by and among the following (individually, a "**Party**" and, collectively, the "**Parties**"): Battle One Developer, LLLP, a Georgia limited liability limited partnership, Battle Two Developer, LLLP, a Georgia limited liability limited partnership, Battle North, LLC, a Georgia limited liability company, Battle South, LLC, a Georgia limited liability company, and Battle One A Developer, LLC, a Georgia limited liability company (collectively, together with their respective successors and assigns, "**Battle**"); and the Town Council for the Town of Minturn, Colorado ("**Town Council**"), the Town of Minturn Water and Sanitation Activities Enterprise, an enterprise fund established pursuant to C.R.S. §37-45.1-101 *et seq*. (the "**Enterprise**"), and the Town of Minturn, Colorado, a home rule municipal corporation (collectively with Town Council and the Enterprise, the "**Town**").

RECITALS

This Third Amendment is made with respect to the following facts:

A. Pursuant to Resolution 25 – Series 2023, on September 6, 2023, Town Council approved and authorized execution of that certain Settlement Agreement having an effective date of September 6, 2023 (the "**Original Settlement Agreement**") by and among the Parties.

B. Pursuant to Resolution 11 – Series 2024, on March 6, 2024, Town Council approved and authorized execution of that certain First Amendment to Settlement Agreement having an effective date of March 6, 2024. Pursuant to Resolution 30 – Series 2024, on June 19, 2024, Town Council approved and authorized execution of that certain Second Amendment to Settlement Agreement having an effective date of June 19, 2024 (the "**Second Amendment**," and together with the Original Settlement Agreement and First Amendment, the "**Settlement Agreement**") by and among the Parties. Capitalized terms used in this Third Amendment have the meanings assigned to such terms in the Settlement Agreement.

C. The Parties further modified the Settlement Agreement pursuant to that Letter Agreement dated May 8, 2024, which clarifies that the Trestle Area will not be a Restricted Parcel and will not be a separate parcel created by the Exemption Plat.

D. The Settlement Agreement contemplates, among other things, the Parties undertaking in good faith to coordinate and process certain Approvals during the Approvals Period and to implement the Settlement prior to the expiration of the term set forth in Section 9 of the Settlement Agreement.

E. The Approvals Period currently expires on July 18, 2024 and the outside expiration date for the term set forth in Section 9 of the Settlement Agreement is August 22, 2024.

F. Following the Effective Date, Battle and the Town have worked diligently to prepare and process applications for and drafts of the Approvals and create documents that the parties must agree upon in order to implement the Settlement. However, the Parties will be unable

to obtain Town Council's final action on the Approvals or have all documents drafted and agreed upon prior to the expiration of the Approvals Period.

G. The Parties desire to amend the Settlement Agreement to extend the Approvals Period as more particularly set forth below.

AGREEMENT

NOW, THEREFORE, in consideration of the Recitals (which are incorporated in this Third Amendment), the terms, conditions and covenants set forth in this Third Amendment, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. **Approvals Period**. Section 2 of the Settlement Agreement is amended to extend the Approvals Period through and including August 12, 2024.

2. **Term**. Section 9 of the Settlement Agreement for the outside expiration date of the Settlement Agreement term set forth in clause (b) shall remain through and including August 22, 2024.

3. **Effect of Amendment**. Except as expressly modified by this Third Amendment, the Settlement Agreement is unmodified, is hereby ratified and affirmed, and will remain in full force and effect in accordance with its terms. If there is any inconsistency between the terms of this Third Amendment and the terms of the Settlement Agreement, the provisions of this Third Amendment will govern and control.

4. **Governing Law**. This Third Amendment will be governed by and construed in accordance with the laws of the State of Colorado.

5. **Facsimile/Scanned Signatures/Counterparts**. Signatures may be evidenced electronically, by facsimile or a scan. A facsimile transmitted or scanned copy of this Third Amendment (including a PDF) executed by a Party will be accepted as an original signature for all purposes. This Third Amendment may be executed in several counterparts, each of which will be construed together as one original.

[Signature Pages Follow This Page]

IN WITNESS WHEREOF, the Parties have executed this Third Amendment as of the Third Amendment Effective Date.

TOWN OF MINTURN,
a Colorado home rule municipal corporation

By: _____
Name: _____
Title: Mayor

TOWN COUNCIL FOR THE TOWN OF MINTURN,
the legislative body of the Town of Minturn

By: _____
Name: _____
Title: Mayor

MINTURN WATER AND SANITATION ACTIVITIES ENTERPRISE,
an enterprise fund established pursuant to C.R.S. §37-45.1-101 *et seq*.

By: _____
Name: _____
Title: Mayor

Battle One Developer, LLLP,
a Georgia limited liability limited partnership

By: Bassel Battle Investment, Corp.,
a Colorado corporation,
its General Partner

By: _____
Name: Lorne Bassel
Title: President

Battle Two Developer, LLLP,
a Georgia limited liability limited partnership

By: Bassel Battle Investment, Corp.,
a Colorado corporation,
its General Partner

By: _____
Name: Lorne Bassel
Title: President

Battle North, LLC,
a Georgia limited liability company

By: Bassel Battle Investment, Corp.,
a Colorado corporation, its Manager

By: _____
Name: Lorne Bassel
Title: President

Battle South, LLC,
a Georgia limited liability company

By: Bassel Battle Investment, Corp.,
a Colorado corporation, its Manager

By: _____
Name: Lorne Bassel
Title: President

Battle One A Developer, LLC,
a Georgia limited liability company

By: Bassel Battle Investment, Corp.,
a Colorado corporation, its Manager

By: _____
Name: Lorne Bassel
Title: President

To: Mayor and Town Council
From: Michellee Metteer
Date: July 17, 2024
Agenda Item: Historic Preservation Policy Direction

REQUEST:
Staff requests direction from Council stemming from the work session.

INTRODUCTION:
Direction to staff can not be provided in work session, therefore, staff recommends allowing for public comments from those interested, conducting any final discussion and then providing direction to staff on recommendations for historic preservation policy implementation.

ANALYSIS:
Two historic preservation applications are pending a continued first reading at the August 7, 2024 council meeting. Additional property owners and stakeholders are awaiting the Council's direction regarding the implementation of the historic preservation policy and how it may affect their properties. Likewise, interested Minturn stakeholders are looking to understand how historic preservation policy adjustments will affect Minturn's historic preservation program, therefore, the Council is strongly encouraged to provide clear direction on steps to move this matter forward.

COMMUNITY INPUT: Extensive through the Little Beach Park Master Planning Process

BUDGET / STAFF IMPACT: None

STRATEGIC PLAN ALIGNMENT:
In accordance with Strategy #4 the Town will advance decisions/projects/initiatives that expand future opportunity and viability for Minturn.

RECOMMENDED ACTION OR PROPOSED MOTION: Provide direction to staff on which options from the work session presentation and additional discussion to implement.

Attachments:
- Property owner letter

Dan Bellm, Jacque Lovato, Jody Matthews
192 Main Street
Minturn, CO 81645

7/10/2024

Minturn Town Council
Minturn Town Manager

Minturn, CO 8164

Dear Minturn Town Council and Town Manager

Subject: Implications of the Historic Preservation Commission on Property Sale, Property Owner Rights, and Zoning Requirements

We hope this letter finds you well. We are writing to seek clarification and guidance regarding the implications of the Historic Preservation Commission on the sale of properties within the Town, and potential historic designation, and the rights of property owners affected by these regulations.

As a property owner in Minturn, we understand and appreciate the importance of preserving the historical and architectural integrity of our community. However, we have concerns about how these preservation efforts may impact my ability to sell our property and exercise our rights as owners.

One primary concern is the extent to which the Historic Preservation Commission's guidelines and restrictions may affect the marketability and valuation of properties within the Town. Potential buyers might be deterred by the potential of additional regulations and approval processes required for modifications or renovations to these properties. This could lead to a decrease in property value and a longer time on the market compared to properties not subject to such regulations.

Any member of our community may nominate a property for historical designation and the property owner does not have to agree to this designation. It would seem to us that this is a taking by the Town and the property owner loses their ability to make any changes or improvements to the location. It is crucial to know how the commission balances the preservation goals with the rights of property owners to use and enjoy their properties.

Furthermore, we are interested in learning about any appeals process available to property owners who may disagree with the commission's decisions or requirements. Ensuring that there is a fair and transparent process for addressing grievances is essential for maintaining trust and cooperation between property owners and the Historic Preservation Commission.

A particular concern for our property at 192 Main Street is the potential for commercial development. The 100 Block is zoned for commercial use, and if a prospective buyer wanted to

develop a commercial or mixed-use building, the historic preservation of a residence on this property would significantly diminish its true value. Furthermore, a historic preservation designation would hinder the proper refurbishment of the existing building.

We believe that a clear understanding of these issues is vital not only for us but for all property owners. Transparent communication and cooperation between the Historic Preservation Commission and property owners are key to achieving the shared goal of preserving our community's historical heritage while respecting individual property rights.

Thank you for your time and attention to this matter. We look forward to your response and to working collaboratively to address these important issues.

Sincerely,

Dan, Jacque & Jody

Town of Minturn
301 Boulder St #309
Minturn, CO 81645
970-827-5645
council@minturn.org
www.minturn.org

FUTURE MEETING AGENDA ITEMS

Below reflects proposed topics to be scheduled at future Town Council meetings and is informational only. Dates and topics are subject to change.

August 7, 2024

- Ordinance __ - Series 2024 (First Reading) An Ordinance Amending the Town's Historic Register to Add 151 Main Street
- Ordinance __ - Series 2024 (First Reading) An Ordinance Amending the Town's Historic Register to Add 155 Main Street
- Ordinance __ - Series 2024 (Second Reading) An Ordinance Approving a Downtown Development Authority Measure for the November 5, 2024, General Election Ballot
- Ordinance __ - Series 2024 (Second Reading) An Ordinance Approving a Short-Term Rental Tax for the November 5, 2024, General Election Ballot
- Special Presentation – Eagle Valley Transit Authority Update – Tonya Allen
- Resolution __ - A Resolution Approving the Updated Town of Minturn Employee Handbook
- Resolution __ - Series 2024 Approving the Contract with ___ to Execute the Historic Resource Survey Grant

August 21, 2024

- Ordinance __ - Series 2024 (Second Reading) An Ordinance Amending the Town's Historic Register to Add 151 Main Street
- Ordinance __ - Series 2024 (Second Reading) An Ordinance Amending the Town's Historic Register to Add 155 Main Street

Dates to be Determined:

- Discussion/Direction – Minturn North Parcel C (Town Parcel) Future Uses
- Resolution __ - Series 2024 A Resolution Supporting a Mil Levy for the Eagle County Conservation District
- Discussion/Direction – Wildlife Migration Corridor/Winter Habitat Area and Approved Windows for Construction
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