

Historic Preservation Commission Agenda

Regular Meeting

Monday February 3, 2025 at 4:00 P.M.

City Council Chambers-City Center South

1001 11th Ave, Greeley, CO 80631

Zoom Webinar Link:

<https://greeleygov.zoom.us/j/85405651623>

NOTICE:

Historical Preservation Commission meetings are held on the 1st and 3rd Mondays of each month. Meetings are conducted in a hybrid format, with a Zoom webinar in addition to the in-person meeting in Council Chambers.

Members of the public may participate in Historic Preservation Commission meetings in the manner that works best for them.

Watch Meetings:



Meetings are open to the public and can be attended in person by anyone.



Comment in Real Time:

Join the Zoom webinar (link above). During the public hearing, members of the public may address the Commission.



Submit Written Comments:

Email comments about any item on the agenda to cd_admin_team@greeleygov.com



Written comments can be mailed or dropped off at the Planning office at 1100 10th Street, Greeley, CO 80631. Written comments received prior to or during the meeting will be read into the record in real time.



All meeting recordings will be available on Greeley's City Meeting Portal, where closed captioning options are available. To view recordings, agendas, and minutes, go to <https://greeleyco.portal.civicclerk.com/>.

For more information about this meeting or to request reasonable accommodation, contact the administrative team at 970-350-9780 or by email at cd_admin_team@greeleygov.com.



Historic Preservation Commission

February 3, 2025 at 4:00 PM

1001 11th Avenue, City Center South, Greeley, CO 80631

Agenda

1. Call to Order
2. Roll Call
3. Approval of the Agenda
4. Approval of the Minutes
5. Report from Historic Greeley Inc.
6. 2025 HPC Meeting Notice Date, Time and Location Designation
7. 2025 HPC Meeting Notice Posting Location Designation
8. Board and Commission Legal Overview by the City Attorney's Office
9. Review and Update the Building Permit Fee Refund Program to Add Based on Availability of Funds – Continued from December 16, 2024 meeting
10. Section 106 Review of 5th Street Bridge Replacement
11. Historic Preservation Commission Triennial Review
12. Historic Preservation Month Planning
13. Commission Member Reports
14. Staff Report
15. Adjournment

Historic Preservation Public Hearing Procedure

Public Hearing to...

1. Chair introduce public hearing item
2. Historic Preservation Staff report
3. Applicant Presentation
4. Commission questions
5. Chair opens public hearing
6. Chair closes public hearing
7. Applicant rebuttal
8. Commission discussion and vote

City of Greeley, Colorado
HISTORIC PRESERVATION COMMISSION PROCEEDINGS
Regular Meeting

December 16, 2024

1. Call to Order

Chair Christen DePetro called the meeting to order at 4:00 p.m.

2. Roll Call

The hearing clerk called the roll.

PRESENT

Chair Christen DePetro
Commissioner Doran Azari
Commissioner Marshall Clough
Commissioner Sean Jaehn
Commissioner Gabriel Llanas
Commissioner Dan Podell
Commissioner Melissa Martinez

3. Approval of Agenda

Betsy Kellums (Planner III) indicated there were not any additions or modifications to the agenda. Commissioner Podell moved to approve the agenda as published. Commissioner Jaehn seconded the motion.

Motion carried 7-0.

4. Approval of the Minutes

Commissioner Jaehn moved to approve the July 15, 2024, Historic Preservation Commission meeting minutes. Commissioner Podell seconded the motion.

Motion carried 7-0.

Commissioner Jaehn moved to approve the August 26, 2024, Historic Preservation Commission meeting minutes. Commissioner Podell seconded the motion.

Motion carried 7-0.

Commissioner Jaehn moved to approve the November 18, 2024, Historic Preservation Commission meeting minutes. Commissioner Podell seconded the motion.

Motion carried 7-0.

5. Report from Historic Greeley Inc.

Linde Thompson (Historic Greeley Inc.) reported that the Christmas Tea event that was held at the Southard-Gillespie House was a success and had a lot of engagement.

She shared that Historic Greeley Inc. rescinded the non-owner nomination for George's Repair Shop. Efforts to find a developer for the building are underway and it currently is still owned privately.

6. Resolution of Appreciation for Retired Commissioner Bob Brunswig

Chair DePetro shared that the Commission would like to recognize Commissioner Bob Brunswig and sign a resolution of appreciation for his service. A framed resolution was presented to Commissioner Brunswig, and he shared his pleasure and thanks for the opportunity to serve on the Commission and in the community. New Commissioner Marshall Clough will take Commissioner Brunswig's position on the Commission.

7. Review and Update of Operating Rules and Procedures to Allow for Remote Participation by Commissioners

Mrs. Kellums (Planner III) introduced the item as published. Mrs. Kellums shared that the need for this update seemed appropriate to address the potential of this option being available to allow for the Commission to join a Commission meeting virtually if needed to achieve a quorum. Some discussion took place between Mrs. Kellums and the Commission. One request to change the term "board" to "commission" in the text was made as well as "chairman" to "chair". Mrs. Kellums indicated that that would not be a problem to adjust.

Commissioner Podell moved to approve the proposed "Update of Operating Rules and Procedures to Allow for Remote Participation by Commissioners as published, with the corrections to the term's "chairman" to "chair" and "board" to "commission". Commissioner Clough seconded the motion.

Motion carried 7-0.

8. Review and Update of Building Permit Fee Refund Policy to Add Based on Availability of Funds

Mrs. Kellums introduced the item as published and provided additional information on the application deadline extension for this item. The Commission and Mrs. Kellums discussed the proposed updates to the Building Permit Fee Refund policy, specifically the language regarding the availability of funds. It was determined that it would be beneficial to bring this item back for further discussion when more information on all the aspects of it is clarified.

Ms. Thompson (Historic Greeley Inc.) came to the podium and shared the concerns about the funds for this incentive not being available, in connection with the Warnoco Boys and Girls Club project. She agreed that doing a waiver would be the easiest and make the most sense. She suggested the Commission ask city staff who work on the budget and can answer the questions.

Commission Azari moved that the Review and Update of Building Permit Fee Refund Policy and the availability of funds within that policy be tabled until further information is given to the Commission concerning city code and the language in accordance with the availability of funds. Commissioner Clough seconded the motion.

Motion Carried 7-0.

9. Chair and Vice Chair Elections

Chair DePetro and Vice Chair Jaehn were both willing to serve again and was understanding if anyone else would like to serve instead. She left it up to Commission to act on both elections. Commissioner Azari shared he thought each should remain in their positions at this time.

Commissioner Azari moved for Vice Chair Jaehn to continue serving as the Historic Preservation Commission Vice Chair. Commissioner Martinez seconded the motion.

Motion carried 7-0.

Commissioner Azari moved for Chair DePetro to continue serving as the Historic Preservation Commission Chair. Commissioner Martinez seconded the motion.

Motion carried 7-0.

10. Commission Member Reports

Chair DePetro asked for Commissioner member reports. Commissioner Azari welcomed new Commissioner Clough to the Commission and thanked Commissioner Brunswig for his service. Chair DePetro asked Commissioner Clough to introduce himself.

Commissioner Clough shared he has previously served on Historic Preservation Commission in the past and as chair. He looks forward to projects coming up and he is excited about the new changes to the Commission since he last served.

11. Staff Report

Betsy Kellums (Planner III) shared that the CPI conference is scheduled from January 29th to February 1, 2025, at the Cheyenne Mountain Resort,

Commissioners are encouraged to attend.

Mrs. Kellums also shared that the State Historical Fund awarded a Historic Resource Survey Grant for the Spanish Colony.

Mrs. Kellums indicated the next Commission meeting will be February 3rd. January Commission meetings will be cancelled due to a lack of agenda items for January 6th and the Martin Luther King Jr Day holiday on January 20th.

12. Adjournment

With no further business before the Commission, Chair DePetro adjourned the meeting at 4:58 p.m.

Christen DePetro, Chair

Betsy Kellums, Secretary



Community Development Department MEMORANDUM

TO: Historic Preservation Commission
RE: 2025 HPC meeting Date, Time and Location Designation
FROM: Betsy Kellums, Planner III – Historic Preservation
DATE: February 3, 2025

Each year at the first meeting, the Historic Preservation Commission designates the Commission meeting day, time and location for the upcoming year. A recommended motion is below.

Recommended Motion:

Motion that the Historic Preservation Commission meetings during 2025 will be held on the 1st and 3rd Mondays of the month at 4:00 p.m. at the City Council Chambers, City Center South, 1001 11th Avenue, Greeley, Colorado, except in the event of cancellation due to holidays, attendance at conferences, and/or having no agenda items.



Community Development Department MEMORANDUM

TO: Historic Preservation Commission
RE: 2025 HPC meeting notice posting location designation
FROM: Betsy Kellums, Planner III – Historic Preservation
DATE: February 3, 2025

Per State Statute, C.R.S. 24-6-402(2)(c)(I) and C.R.S. 24-60402(2)(c)(III), the Historic Preservation Commission should designate a site for posting agendas at the first meeting of the year. The Commission should also designate a back-up location for posting notices in the event of power/internet outage.

Recommended Motion:

Motion to designate the City of Greeley meeting portal, <https://greeleyco.portal.civicclerk.com/>, as the official posting site for meeting notices of the Historic Preservation Commission, and the public lobby of City Center South, 1100 10th Street as the backup location for such postings.

Historic Preservation Commission Agenda Summary

February 3, 2025

Key Staff Contact: Betsy Kellums, Planner III – Historic Preservation, 970-350-9222

Title:

Board and Commissions – Legal Overview

Summary:

City Attorney's Office staff Bobbier Cranston, Senior Supervising Attorney, and Stacey Aurzada, City Attorney, will present a legal overview for members of the Historic Preservation Commission. The City Attorney's Office will discuss the attorney's role with boards and the different types of boards and commissions in the city. The presentation will also include an overview of the Colorado Open Meetings Act, Colorado Open Records Act, and ethics for board members. It will also include the specific duties of the Historic Preservation Commission and discuss the quasi-judicial function of the commission.

Recommended Action:

No action needed. Information item.

Attachments:

PowerPoint Presentation



Boards and Commissions- Legal overview

City Attorney's Office



Agenda

- Role of the City Attorney's Office
- Types of Boards and Commissions
- Colorado Open Meetings Act
- Colorado Open Records Act
- Ethics, Conflicts of Interest
- Historic Preservation Commission

Role of the City Attorney's Office

- **City Charter**
 - Establishes Office of the City Attorney and the position of City Attorney
- **Title 2, Article IV of the Greeley Municipal Code**
 - General advisor to the City Council, boards, commissions and City officers concerning City business
- **Who is our Client?**
 - The City of Greeley
 - City Council, City boards and commissions, department directors and their designees
 - acting in their official capacities

Creation of Boards and Commissions

- The City of Greeley Charter authorizes the creation of Boards and Commissions
- The Boards and Commissions can be created in the Charter (by a vote of the citizens), or in the Greeley Municipal Code (by ordinance passed by City Council)
 - The Water and Sewer Board is the only Board created in the Charter

Types of Boards and Commissions

- **Advisory Boards and Commissions**
- **Quasi-Judicial Boards and Commissions**
 - Have the authority to hold formal hearings, accept testimony, and issue decisions
 - Decisions are appealable
- **Authorities**
 - An authority is generally a body created by state statute
 - Authorities generally act independently of the City

Colorado Open Meetings Act

- Applies to Boards, Commissions and Authorities
- What is a meeting?
 - Any gathering of 3 or more members convened to discuss public business
 - In person, on the phone, electronic

Colorado Open Meetings Act

- Requires meetings to be open to the public
- Requires notice of the meeting and agenda to be published 24 hours in advance
- Requires minutes of the meeting to be taken

Colorado Open Records Act

- Most Board and Commission records are subject to disclosure to the public
- Public records are
 - Any writing
 - Made in your official capacity
 - About public business
- “Writing” includes books, papers, recordings, documents regardless of physical form
 - Includes electronic items like emails, texts, videos, photographs
 - Even if created on a private device (phone, computer, etc.)

Government Ethics

- Board and Commission members are subject to the State gift ban (Amendment 41)
- May not accept gifts in excess of \$75 per year unless
 - The gift is from a personal friend or relative
 - The gift is admission and cost of food at an event where the member is speaking
 - The gift was unsolicited and is a trivial value
 - The gift was unsolicited and is a token of appreciation

Conflicts of Interest

- A conflict of interest exists when a Board or Commission member's personal or financial interests conflict with their official responsibilities
- Pay attention to the possibility of conflicts of interest
- Talk to your staff liaison ahead of time if possible, and ask to speak to the City Attorney's office if needed
- Better to disclose when in doubt
- Don't ignore a potential conflict

Historic Preservation Commission

- Greeley Municipal Code Chapter 1 of Title 24 (Development Code)
- Advisory Board to the City Council
 - Consists of 7 Members
 - One architect, landscape architect, design professional or licensed contractor or building tradesperson
 - One historian, archeologist or architectural historian
 - One licensed real estate broker
 - Four citizens at large
- Established to have principal responsibility for matters of historic preservation, as specifically outlined in section 24-1003.

Advisory Duties

- Recommend criteria and procedures for historic designation, recommend designation, or removal of specific properties or districts, and review proposals that impact designated properties as provided in section 24-1003.
- Oversee surveys that document structures and assess conditions of potential historic properties and areas and inform landowners of properties that may meet criteria for designation.
- Advise and assist owners of historic properties on physical and financial aspects of preservation, renovation, rehabilitation, and reuse, including nomination to the National Register of Historic Places.
- Develop and assist in public education programs, such as walking tours, brochures, and a marker program for historic properties, lectures, and conferences.
- Advise the city council on matters related to preserving the historic character of the city.
- Assist in pursuing financial assistance for preservation-related programs.
- Advise appropriate city departments on violations, enforcement and administration of section 24-1003.

Quasi-Judicial Duties

- Review and make a decision on any owner nomination for designation.
- Review and make a decision on any application for altering, moving, or demolishing any designated properties.
- Hear Appeal of administrative decision by Director

Quasi-Judicial Hearing

- Board acts more like a Judge in a court of law
- Apply established standards to the facts gathered at a public hearing in order to reach a decision
- Requirements for the Public Hearing?
 - Notice
 - Quorum
 - Hearing electronically recorded
 - Commission Action or Decision
- Avoid ex parte communications

Thank you





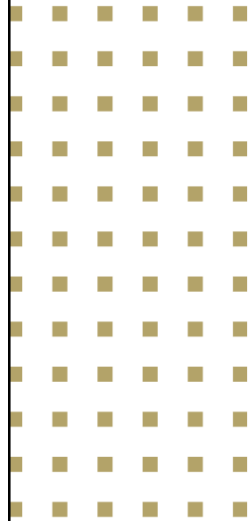
Boards and Commissions- Legal overview

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- Types of Boards and Commissions
- Colorado Open Meetings Act
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- Ethics, Conflicts of Interest
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Quasi-Judicial Duties

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- Requirements for the Public Hearing?
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Thank you



Historic Preservation Commission

Agenda Summary

February 3, 2025

Key Staff Contact: Betsy Kellums, Planner III – Historic Preservation, 970-350-9222

Title:

Review and Update the Building Permit Fee Refund Program to Add Based on Availability of Funds – Continued from December 16, 2024 meeting

Summary:

As a follow up to the Historic Preservation Commission discussion of the proposed addition of the language, "subject to the availability of funds" to the refund program policies, staff has the following information to provide. Staff researched options for how to pay the refund requests. Because the city keeps expense and revenue accounts separate, and does not transfer between them, the funds of a permit fee cannot be set aside in a refund account to be used if a refund application is approved. The Historic Preservation budget does not have a budget for refunds in the 2025 budget, but staff is requesting a budget for refunds in the 2026 budget. Once we have a budget, we will be able to issue refunds up to the amount in that budget item. Any overages would have to be covered by other budget line items. The refunds issued in 2024 were paid out of other budget line items and used funds originally designated for other things.

Since the refunds must be budgeted and are not pulled from the revenue received when the permit fee was paid (since the revenue account cannot be transferred to the expense account), there is the possibility that the refund budget line-item could be used up and then any following applications would not be funded in that year.

Recommended Action:

Revise the policy to add based on availability of funds.

Recommended Motion:

Motion to approved the updated Building Permit Fee Refund policy to include the wording "subject to the availability of funds."

Attachments:

Building Permit Fee Refund Program policy with proposed change
Building Permit Fee Refund Project List



Building Permit Fee Refund Policies Historic Preservation Commission

~~Adopted 9/13/2010~~
Updated: 10/2021
Updated: 11/2024
Updated: 12/2024

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Building Permit refunds for historical properties are offered by the City of Greeley as an incentive to owners in the maintenance, upkeep and improvement of historic properties. The following policies apply to historically designated properties or contributing properties in an historic district and provide a refund option as described in Section 24-1003(h) of the Greeley Municipal Code.

Historic Preservation Certificates of Approval are required before work commences on a designated historic structure, except as it relates to qualifying interior or maintenance projects (see below).

Eligible Applicants

- Eligible applicants include owners and/or contractors of residential, investment, commercial or industrial properties, as well as non-profit organizations or governmental entities.
- The refund is non-transferable. The only eligible applicant for the refund is the property owner/contractor who applied for the permit. No refund is available if the property is sold or transferred before the project is completed and prior to a final inspection and/or a Certificate of Completion is issued.
- Refunds are for the building portion of the permit fee only; applicants must pay other applicable fees, plan review fees, sales taxes, etc. Approved refunds will be issued based on the availability of funds.

Eligible Projects

- Construction is limited to a locally designated historic structure that is designated as of the date of permit application or one that is in the process of applying for such designation.
- Work must require a building permit.
- Projects must fall within the definitions of restoration, preservation and rehabilitation, as defined by the U.S. Secretary of the Interior (see below).
- Work can be for the following: routine maintenance and repair (water heater, plumbing, electrical); life safety projects, and those bringing building systems into compliance with current building and/or zoning codes; rehabilitation and restoration projects (major repair, flatwork, items that preserve historic character that require a permit).

- Qualifying interior project examples (where no Certificate of Approval is required)
 - Electrical
 - Mechanical
 - Plumbing
 - Interior rehab projects according to U.S. Secretary of the Interior's Standards
 - Basement finishes
- Qualifying exterior project examples (where Certificate of Approval is required)
 - Re-roofing
 - Rehab/repair of existing historic detached garages
 - Rehab/repair of existing historic carports
 - Rehab/repair of existing historic sheds
 - Rehab/repair of existing historic porches
 - Rehab/repair of existing historic retaining walls that have significance
 - Siding repair and replacement (if historically appropriate materials are used and in accordance with the Secretary of the Interior's Standards)
- New construction is eligible if the work is undertaken to keep the property viable and does not exceed 10% of the building footprint's square footage.
 - Example: an addition to a house for accessibility
- Projects which exceed 10% of the footprint must first receive Historic Preservation Commission approval.

List of Ineligible Projects

- Projects that do not meet the U.S. Secretary of the Interior's Standards
- Those projects paid for by insurance (such as a replacement roof) or a Greeley Urban Renewal Authority rehabilitation loan.
- New construction or improvement of new accessory structures, such as sheds and garages.
- New construction that is not for the purpose of keeping the property viable or adequately maintained
- Projects commenced without proper City of Greeley or Historic Preservation Commission or Staff approval (e.g., without a building permit or a Historic Preservation Certificate of Approval, if required)

Procedures (See flow chart)

- Applications will be reviewed and determined by Historic Preservation Staff, unless review is required by the Commission.
 - Staff decisions may be appealed to the Historic Preservation Commission within 10 calendar days of the Staff decision.
 - Decisions of the Commission will be considered final on all refund applications unless appealed to Council within 30 calendar days of the Commission decision.
 - Decisions will be based on the Secretary of the Interior's Standards and will be in accord with the definitions of restoration, preservation, and rehabilitation as established by the Secretary of the Interior, included below.
- All applications must include a copy of the permit receipt showing a breakdown of the permit cost.
- Approved refunds will be issued based on the availability of funds.
- Application must be made to the Historic Preservation Office for the refund within 6 months after the final inspection and/or Certificate of Occupancy (Certificate of Completion) is issued, whichever is later.

U.S. Secretary of the Interior Definitions

RESTORATION: the act or process of accurately depicting the form, features, and character of a property as it appeared at a particular period of time by means of the removal of features from other periods in its history and reconstruction of missing features from the restoration period. The limited and sensitive upgrading of mechanical, electrical, and plumbing systems and other code-required work to make properties functional is appropriate within a restoration project.

PRESERVATION: the act or process of applying measures necessary to sustain the existing form, integrity, and materials of an historic property. Work, including preliminary measures to protect and stabilize the property, generally focuses upon the ongoing maintenance and repair of historic materials and features rather than extensive replacement and new construction. New exterior additions are not within the scope of this treatment; however, the limited and sensitive upgrading of mechanical, electrical, and plumbing systems and other code-required work to make properties functional is appropriate within a preservation project.

REHABILITATION: the act or process of making possible a compatible use for a property through repair, alterations, and additions while preserving those portions or features which convey its historical, cultural, or architectural values.

Definitions (Section 24-1003(m))

Alteration means any act or process requiring a building permit, moving permit, demolition permit or sign permit for the reconstruction, moving, improvement or demolition of any designated property or district; or any other action in which a review by either the Historic Preservation Commission or the Historic Preservation Specialist is necessary under this Chapter and/or the district designation plan and in accordance with the definitions of major and minor alterations, for the purposes of this Chapter.

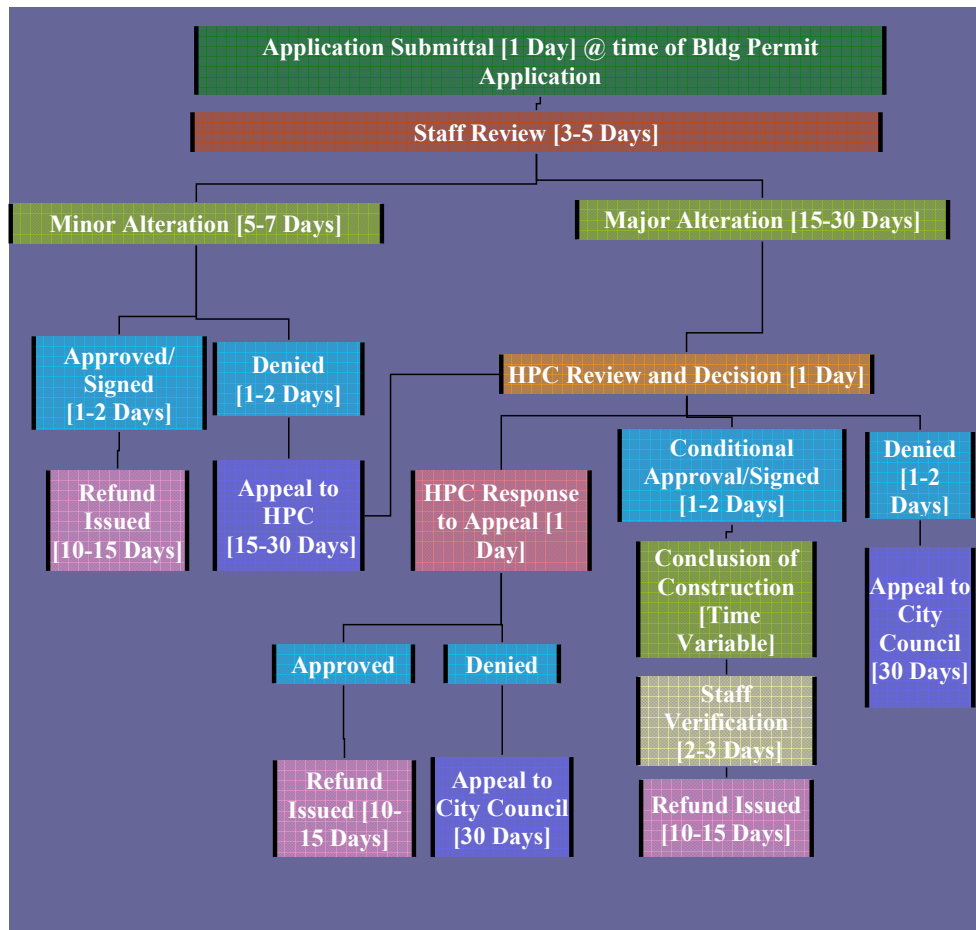
Maintenance, as used in this Chapter, means measures to protect and stabilize a property, including ongoing upkeep, protection and repair of historic materials and features. Maintenance shall include the limited and responsive upgrading of mechanical, electrical and plumbing systems and other Code-required work to make a property safe and functional.

Major alteration, for the purposes of this Chapter, means a modification to a structure that has potential to significantly alter the character of the property and includes, but is not limited to, window replacement; building addition; porch enclosure; reconstruction of a portion of the primary building; addition of dormers or other alteration to the roofline; reconstruction of features on a building; material replacement with a different material (e.g., siding); alteration or replacement of a character-defining feature; demolition; relocation; and new construction. Major alteration includes any modification that is not considered maintenance or a minor alteration.

Minor alteration, for the purposes of this Chapter, means a modification to a structure that does not significantly alter the character of the property and includes, but is not limited to, replacement of roof; installation and repair or replacement of gutters if exterior trim elements are not altered; reconstruction and/or repair of portions of secondary structures; addition or replacement of storm windows and doors to existing windows and doors; repair or replacement of architectural elements with the same material, design, size, color and texture; replacement of less than fifty percent (50%) of a porch railing;

replacement of original material with the same material (e.g., replacing a portion of wood siding with wood siding of the same size, profile and type); removal of nonoriginal material, such as vinyl, aluminum, etc.; adding awnings; repainting masonry; and signs requiring a permit.

Building Permit Fee Refund Process Flow Chart



Building Permit Fee Refund Projects				
Applicant	Address	Date	Project	Refund Amount
Ron & Linde Thompson; *The refund to Ron and Linde Thompson included the permit fees for the addition/new construction at the Campus Pharmacy Building, 931 16th Street. The bulk of the refund was fees for new construction rather than rehabilitation.	931 16th Street	Feb-04	Rehab (new construction and rehab)	\$3,739.50
Amundson Construction	911 6th St	Aug-04	Rehab (substantial)	\$1,145.00
Amundson Construction	930 5th St	Aug-04	Rehab (substantial)	\$1,145.00
Roger & Emi Klein	1129 17th St	Aug-05	Re-roof	\$138.00
Drew Notestine	810 9th St	Nov-06	Re-roof	\$397.00
John & Patricia Fox	1219 Cranford Pl	Dec-06	Re-roof	\$188.00
St. Patrick Presbyterian Church	803 10th Ave	May-07	HVAC	\$598.75
Mongans	615-31 8th Ave	Jun-07	Electrical service & rewire 19 apts	\$861.25
Charis Restoration	800 9th St	Jun-07	Rehab	\$918.00
Ed & Nancy Brigden	1729 12th Ave	Jun-08	Solar electric wiring (solar panels)	\$75.50
Stan Luger	1815 13th Ave	Nov-09	Rehab	\$200.50
Detlef and Celia Scholl	1305 6th St	Mar-11	Driveway replacement	\$167.25
Amy Antommara	1029 14th St	Jan-12	Interior Mechanical Replacement	\$111.25
Tower 21 (non profit contractor)	614 8th Ave	Dec-12	interior rehab	\$644.25
Tower 21 (non profit contractor)	614 8th Ave	Dec-12	interior mezzanine	\$251.25
Todd Welch	614 8th ave	Dec-12	interior rehab - classrooms and bathrooms	\$181.25
Colorado Recovery Properties	710 11th Ave	Jul-17	Re-roof	\$492.75
Fred Kellers	1221 18th St	Oct-18	Re-roof	\$421.55
Syntax Spirits	700 6th St	Apr-19	fire line	\$813.22
Syntax Spirits	700 6th St	Oct-19	fire sprinklers	\$733.00
Robert Wasson	1225 8th St	Apr-19	Re-roof	\$153.25
C&C Contractors LLC	820 9th St	Feb-21	Exterior Alterations	\$2,113.75
thomas & Tyler LLC	710 11th Ave	Apr-24	interior rehab	\$8,393.70
Boys & Girls Club of Weld County	1407 2nd St	Sep-24	exterior and interior rehab	\$19,113.75

Historic Preservation Commission

Agenda Summary

February 3, 2025

Key Staff Contact: Betsy Kellums, Planner III – Historic Preservation, 970-350-9222

Title:

Section 106 Review of 5th Street Bridge Replacement

Summary:

The City of Greeley Public Works Department received a Colorado Department of Transportation (CDOT) Off-System Bridge Funding Program grant to replace the 5th Street bridge that crosses the historic No. 3 Ditch. Because the grant includes federal and state funds, the project requires compliance with the Section 106 consultation process. The existing bridge was deemed structurally deficient, and construction is planned for the winter of 2025 while the ditch is dry.

The No. 3 Ditch in its entirety has been determined eligible for listing in the National Register of Historic Places and is individually designated on the Greeley Historic Register.

The bridge will be removed and replaced with a new concrete box culvert beneath the road, the No. 3 Ditch retaining walls will be removed for construction and then reset to the extent possible and replaced with concrete culvert in some places. The sidewalks and pavement along 5th Street at the approach to the new culvert will be replaced in-kind.

Recommended Action:

Provide comments and/or questions on the historic resources that were evaluated for significance and the potential impact of the bridge replacement project on them.

Attachments:

Letter from CDOT to Greeley HPC requesting comments/questions on the historic resources potentially impacted by the project

Project Location Map

Project Plans

Temporary Easement Exhibit

APE Map

Survey Logs

Site Forms (3)



COLORADO

Department of Transportation

Region 4

Director's Office
10601 10th Street
Greeley, CO 80634

January 9, 2025

City of Greeley
Historic Preservation Commission
1100 10th Street
Greeley, CO 80631

SUBJECT: Determinations of Eligibility and Effects, Greeley 5th Street Bridge Improvement Project, City of Greeley, Weld County, Colorado. CDOT Project BRO M570-067; CDOT SA No. 24892.

City of Greeley Historic Preservation Commission:

This letter and the attached materials constitute CDOT's determinations of National Register of Historic Places (NRHP) eligibility and effects for the Greeley 5th Street Bridge improvement Project in the City of Greeley, Weld County, Colorado. The City of Greeley has received a Colorado Department of Transportation (CDOT) Off-System Bridge Funding Program Grant. This program is designed to inventory, inspect, evaluate, replace, and rehabilitate bridges and culverts on public roads owned by Colorado counties and municipalities. In particular, the Off-System Bridge Program (BRO) funds replacement or major rehabilitation on structures classed as being in Poor or Fair condition by the Special Highway Committee. The BRO program uses a combination of funding sources including both state monies and federal funds from the Federal Highway Administration (FHWA). Due to the federal funds the project is subject to compliance with Section 106 (54 U.S.C. § 306108) of the National Historic Preservation Act (54 U.S.C. § 300101 et seq.) and its implementing regulations (36 CFR 800). CDOT is acting on behalf of FHWA to complete the Section 106 process.

Project Description

The City of Greeley (City) has received federal grant funding through CDOT's BRO program to replace an existing bridge conveying 5th Street over the Greeley No. 3 Canal (see Attachment A – Project Location Map). Horrocks Engineers was selected by the City to provide plans and specifications for the Greeley 5th Street Bridge Improvement Project (Project) in Weld County. Olsson Associates assisted in the environmental clearances and Centennial Archaeology LLC (Centennial) in turn assisted with the historic resource investigation. The existing bridge structure over the No. 3 Canal at 5th Street in Greeley is structurally deficient and lacks capacity for adequate pedestrian and bicycle facilities. The City has identified this bridge for replacement. While the current project is focused entirely on the bridge replacement, future road improvement projects at the intersection of 5th St and 23rd Ave are planned, and the new bridge will be built to be compatible with potential future projects that, if they come to fruition, will result in more robust pedestrian and bicycle facilities. The current project includes the replacement of the existing sidewalks and pavement along 5th street without additional improvement to those structures. No surface improvements to the road are planned as part of this project. No right-of-way (ROW) will be acquired for this project, but temporary construction easements will be needed from



three adjacent properties. The project is anticipated to be cleared under NEPA as a Categorical Exclusion. Construction of the new structure is anticipated during the No. 3 Canal annual shutdown in the winter of 2025. Project plans (Attachment B) and associated easement figure (Attachment C) may be referenced for additional information.

Major project elements include:

- Removal of the existing bridge conveying 5th street across the Greeley No. 3 Canal. Existing asphalt at the tie-in will be removed from the roadway for approximately 25 ft on the west side of the bridge and 50 ft on the east side. Existing metal guardrails will be removed as well.
- Removal of existing retaining walls on the banks of the Greeley No. 3 Canal. The project is designed to have as little effect as possible on the retaining walls and to reset them with the existing material wherever possible. Lengths of the wall that will be removed are:
 - North side of bridge: A total of 36 ft will be removed on either side of the canal. Most will be replaced by the larger concrete box culvert, but some will be reset.
 - NW Corner: Remove and reset 15 ft; replace 21 ft with culvert
 - NE: Remove and reset 12 ft; replace 24 ft with culvert
 - South side of the bridge: 12 ft on either side of the bridge will be removed for construction and reset with the existing material.
- Replacement of the bridge with a new concrete box culvert beneath the road. The new structure will be wider than the existing bridge. It will have a total width of 92 ft 9 in and will include two 12-ft-wide thru lanes flanked on either side with concrete curb and gutters. Concrete sidewalks that are 4-ft-wide will be placed on either side of the roadway. The outer edges of the structure will have metal guard rails. The remaining space will be concrete and will not be active roadway or sidewalk. Instead, it is intended to provide space for 5th Street and/or the sidewalks to be expanded as part of a potential future project.
- In-kind replacement of the sidewalks and pavement along 5th Street at the approach to the new culvert. The roadway approach and sidewalks adjacent to the bridge replacement will be restored to their current conditions and configuration. No additional surface improvements will occur.
- Temporary easement acquisition from three parcels:
 - 500 23rd Ave (Parcel No. 096106305010) – Rutherford Inc.: 219 ft² (0.005 acre) will be acquired from the 0.29-acre parcel. The parcel contains historic buildings.
 - 2204 5th St (Parcel No. 096106305009) – Mark S. Reichert: 346 ft² (0.008 acre) will be acquired from the 2.84-acre parcel. The parcel contains historic buildings.
 - 320 23rd Ave (Parcel No. 096106200002) – Mission Village Subdivision: 1,641 ft² (0.037 acre) will be acquired from the 8.14-acre parcel. The parcel contains multiple apartment buildings constructed in 2016.

Area of Potential Effects

The Area of Potential Effects (APE) includes all areas that have the potential to cause direct or indirect effects to historic properties. The APE is defined as the project footprint including the temporary construction easement areas, the boundaries of the sites documented for this project, and the portion of 5th Street that will be affected. The APE is shown in detail on the attached APE Map (Attachment D).

Identification Methodology

Centennial completed the file search and field investigation on behalf of CDOT. Due to the scope and timing of the project, it was determined that a 49-year minimum age criterion was most appropriate for



this project as it is currently slated to go to construction in 2025. Accordingly, properties were considered to meet the minimum age criterion if they contain buildings that were constructed in or before 1975. Properties that will be affected by the project but that do not contain buildings that meet the minimum age criterion are excluded.

File search research included:

- A file search conducted through the Office of Archaeology and Historic Preservation (OAHP) online Compass database to determine whether previously recorded NRHP-eligible or listed resources were located within or near the project APE.
- A GIS clip request from the OAHP for shapefiles showing the boundaries of previously recorded resources and previous inventories within or near the project APE.
- A review of the CDOT Historic Sites Viewer for Consultants.
- Review of Weld County Assessor records to determine if any buildings on the three parcels from which easements will be acquired meet the minimum age requirement for historic eligibility.
- Review of National Bridge Inventory records available through historicbridges.org.
- Analysis of General Land Office (GLO) records available online through the Bureau of Land Management.
- Analysis of historic topographic maps available through the U.S. Geological Survey (USGS) and historical aerial and satellite imagery available through Google Earth and HistoricAerials.com.

The OAHP file search showed that the Greeley No. 3 Canal (SWL.843) has been documented in its entirety. The ditch was found to be officially eligible for the NRHP under Criterion A on 8/30/1984. CDOT accordingly determined that a new segment of the structure should be documented and a cultural resource inventory form prepared. No other previously recorded sites were present within the project footprint in either the OAHP data or on the CDOT Historic Sites Viewer.

The map and satellite/aerial imagery review confirmed that 5th Street meets the minimum age criterion for the project. Project work that will affect 5th Street consists of the removal of the existing bridge, and the in-kind replacement of the approaches between the bridge and the road. This work will occur within the existing ROW for 5th Street and will not result in any realignments to, or major reconfigurations of, the roadway. CDOT has determined that this minor work would qualify as a Screened Undertaking under Attachment 2 of the 2014 Programmatic Agreement between CDOT and the SHPO. It fulfills section (II)(F)(5) Roadway – Intersection improvements for minor changes in road alignment within local road or highway right-of-way. Accordingly, 5th Street was not documented and will not be further discussed.

The National Bridge Inventory records indicate that the existing bridge conveying 5th Street across the Greeley No. 3 Canal was built in 1960 and is a prestressed concrete T-girder structure with concrete wingwalls. CDOT has determined that this structure falls under the 2012 Program Comment for Common Post-1945 Common Concrete and Steel Bridges issued by the Advisory Council on Historic Preservation at the request of the FHWA. The bridge was accordingly not documented as a historic resource and will not be further discussed.

Weld County Assessors' data confirmed that two of the three parcels from which temporary easements will be acquired contain buildings that meet the minimum age criterion for this project. The two properties are 500 23rd Ave, which contained two residences constructed in 1943 and a garage built in 1999, and 2204 5th Street, which contains a residence built in 1899 as well as an outbuilding constructed in 1952.



The remaining property contains an apartment complex built in 2016. Because temporary easements will be acquired from these parcels, CDOT determined that OAHF Form No. 1403 Architectural Inventory Form must be prepared for both historic properties.

No other potential cultural resources intersecting the project area were revealed during the file search. Based on this file search, OAHF Forms No. 1400 and 1418 (Management Data and Linear Component) for the new segment of the Greeley No. 3 Canal (5WL.843.20) and individual OAHF Form No. 1403 (Architectural Inventory Form) were prepared for the two new architectural properties (5WL.9807 and 5WL.9808). The cultural resource inventory forms for these resources are enclosed and should be consulted for additional information including images of the sites.

NRHP Eligibility Determinations

Properties that may be affected by the project were identified during a desktop review. The NRHP eligibility determinations for the sites considered as part of this investigation are provided below followed by an effects assessment. These findings are summarized in Table 1.

Table 1. NRHP Eligibility and Effects Determinations for Resources within the APE

(Resource No.) Site Name	Year Built	Address/Location	NRHP Eligibility (Date of Determination)	Determination of Effect
(5WL.843.20) Greeley No. 3 Canal	1870	15 ft north of the intersection of 5 th St and 23 rd Ave	<i>Officially Eligible (1984) Supporting (2024*)</i>	<i>No Adverse Effect</i>
(5WL.9807) Trembath / Channel Residence	1899	2204 5 th Street, Greeley CO 80631	<i>Not Eligible (2024*)</i>	<i>No Adverse Effect</i>
(5WL.9808) Klingenberg / De Santiago Residence	1943	500 23 rd Ave, Greeley CO 80634	<i>Not Eligible (2024*)</i>	<i>No Historic Properties Affected</i>

**Determination by CDOT as part of this Section 106 review.*

5WL.843.20 – Greeley No. 3 Canal: The ditch in its entirety is officially eligible for the NRHP under Criterion A due to associations with the urban and agricultural development of the Union Colony and the City of Greeley. The ditch is also associated with the 1874 water conflict between the cities of Greeley and Fort Collins, which resulted in the development of the Colorado System of water rights control and adjudication. The official determination was made in 1984. No additional information was found as part of this investigation that would change the previous determination for 5WL.843. The segment documented for this project is evaluated as supporting the NRHP eligibility of the larger resource. No changes in alignment have occurred. The structure remains an open channel though it is lined with stone blocks with the occasional concrete replacement block. The channel is well-maintained and fully functional. The ditch continues to facilitate the transfer of water from the Cache la Poudre River to the City of Greeley. It is evaluated as retaining sufficient integrity of location, association, design, and feeling to support that eligibility. Integrity of setting has been diminished by the development of the surrounding area. Integrity of materials and workmanship have been diminished by the continual use and maintenance of the ditch as well as the installation of the stone and concrete lining and numerous turnouts and modern



culverts and bridges. CDOT has accordingly determined that 5WL.843 as a whole should continue to remain *eligible* for the NRHP and that segment 5WL.843.20 *supports* that larger eligibility.

5WL.9807 - Trembath / Channel Residence: Site 5WL.9807 is a heavily modified farmhouse that was constructed in 1899. A variety of modern and historic outbuildings including a heavily modified 1950s garage are present on the property. The site postdates the initial settlement of the Union Colony and establishment of Greeley in the 1870s and 1880s and none of the known owners were historically significant persons. The historic buildings have been heavily modified. The former farmhouse has had the roof replaced and a large addition built onto the back. The brackets, porch posts, and other features appear more in line with buildings constructed in the mid-20th century rather than an 1890s farmhouse. None of the extant features are intact representative examples of a particular building style or method of construction and none are the work of a master or feat of engineering. Further investigation is unlikely to generate information of historical significance. Based on this documentation, CDOT has determined that 5WL.9807 is *not eligible* for the NRHP.

5WL.9808 - Klingenberg / De Santiago Residence: This historic architectural property consists of an extensively modified 1943 house and a contemporaneous single-car garage converted into a detached residence as well as a modern house and carport. The buildings significantly postdate the founding of the Union Colony and the early development of Greeley and are not part of a cohesive, master-planned housing subdivision such as those that emerged during the Post-War period. None of the owners are known to be historically significant individuals. The 1943 house and garage have been extensively modified through the construction of multiple additions on each building as well as the replacement of historic fabric with modern materials including roofing, windows, doors, and wall cladding. Additional buildings, including the 1999 accessory residence, have resulted in a reconfiguration of what was once a single-family lot. As it currently exists, the property is not recognizable as a 1943 single-family home with an associated detached garage. Further investigation is unlikely to generate information important to history. CDOT accordingly finds 5WL.9808 to be *not eligible* for the NRHP.

Effects Determinations

The NRHP effect determinations for the three cultural properties that may be affected by this project are provided below and summarized above in Table 1.

5WL.843.20 – Greeley No. 3 Canal: Project work will directly affect the ditch. However, the channel will not be realigned, and the conveyance capacity will not be altered. Effects to the ditch will include the removal of the existing 1960 bridge including the superstructure, abutments, and wingwalls and replacing it with a new pre-cast concrete box culvert. Grading will occur on the banks on either side of the new bridge. The ditch will retain the same carrying capacity and convey the same amount of water, but the channel will pass through the box culvert in this location. At present, the earthen channel is lined with stone and concrete block retaining walls. The new box culvert will be larger than the existing bridge to accommodate future sidewalk and roadway expansions that are not part of the current undertaking. On the north side of the new culvert, 36 ft of the retaining wall will need to be removed. On the northwest and northeast sides respectively 21 ft and 24 ft of the wall will be replaced by the new culvert. The remaining 15 ft and 12 ft will be reset with the existing materials after construction. South of the new culvert 12 ft of the wall on both sides will be removed for construction and replaced afterwards. The project was designed to reuse the existing materials and to effectively serve as an in-kind replacement of as much of the retaining wall as possible to minimize effects to the ditch. The replacement will occur when



water in the ditch is already shut off for the winter and will not require an additional temporary shut off. While the project will be replacing a 1960 structure with a slightly larger modern element, the channel on either side will remain a stone and concrete-lined element and integrity of design will not be further diminished than it already has been by the continued use and maintenance of the structure, the construction of the existing bridge, and the creation of the numerous modern culverts, bridges, and turnouts that line the canal in its entirety. For these reasons, the proposed work will result in *no adverse effect* to the Greeley No. 3 Canal as a whole including supporting segment 5WL843.20.

5WL.9807 - Trembath / Channel Residence: Effects to this site consist of the acquisition of 346 ft² (0.008 acre) from the 2.84-acre parcel. The easement will be used for construction activities associated with replacing the existing bridge with the new concrete box culvert. Based on this investigation, CDOT has determined that the property is not eligible for the NRHP. Because the site is not eligible, CDOT has made a determination of *no historic properties affected* for site 5WL.9807.

5WL.9808 - Klingenberg / De Santiago Residence: Effects to this property consist of the acquisition of 219 ft² (0.005 acre) of temporary easement on the 0.29-acre parcel. The easement will be used for construction activities associated with replacing the existing bridge with the new concrete box culvert. CDOT has determined that the property is not eligible for the NRHP and has accordingly made a determination of *no historic properties affected* for site 5WL.9808

Section 4(f) Evaluation

A site is considered a historic resource under Section 4(f) of the US Department of Transportation Act of 1966 (23 CFR 774) when there is a new transportation use of a property which is listed or determined eligible for listing in the NRHP. Project work will have minor effects on the Greeley No. 3 Canal. As it is currently designed, the project will not diminish the potential integrity of location, design, setting, materials, workmanship, feeling, or association as described in 36 CFR 800.5(a)(1) for this resource. CDOT has accordingly determined that the project results in a Section 106 finding of *no adverse effect* for canal. At this time, CDOT is providing SHPO notification that FHWA may make a Section 4(f) *de minimis* finding for the resources above.

CDOT welcomes any comments or questions the City of Greeley Historic Preservation Commission may have regarding the historical resources that were documented and evaluated for significance. If you have questions or comments please contact CDOT Region 4 Senior Historian Jason Marmor at (970) 219-9155 or via Email at jason.marmor@state.co.us.

Sincerely,

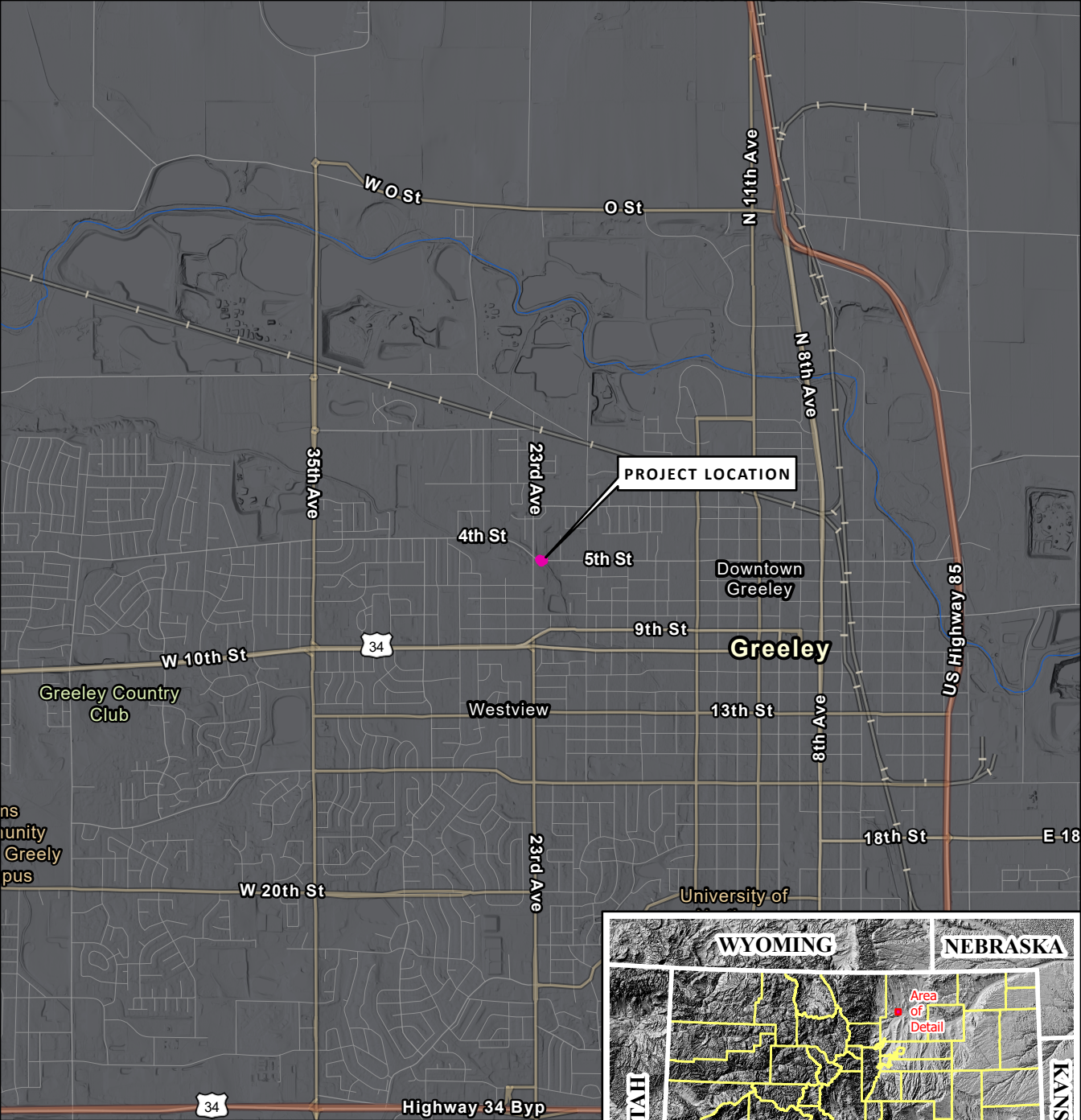
James Eussen, Planning and Environmental Program Manager
CDOT Region 4



Attachments: Attachment A – Project Location Map;
Attachment B – 50% Project Plans;
Attachment C – Temporary Easement Exhibit;
Attachment D – APE Map; and
Attachment E – Survey Logs (Tables A-1 and A-2)

Enclosures: OAHP Management Data Form 1400 and Linear Component Form 1408 for site 5WL.843.20
OAHP Architectural Inventory Form 1403 for sites 5WL.9807 and 5WL.9808

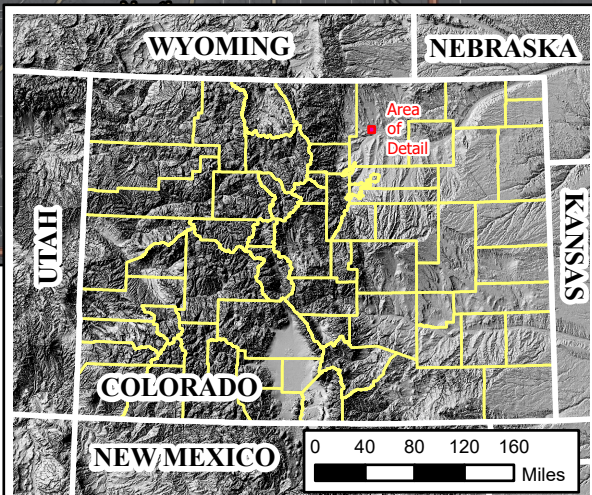




Project Location

0 0.5 1 1.5 2

Miles



PoDI / NHS

FHWA PROJECT OF DIVISION INTEREST (PoDI)?

☒ NO☐ YES

NATIONAL HIGHWAY SYSTEM (NHS)?

☒ NO☐ YES

TABULATION OF LENGTH

STATION		FEET
		ROADWAY
BEGIN PROJECT		
301+35.82		116.2600
END PROJECT		
302+52.08		
SUMMARY OF PROJECTLENGTH	FEET	116.2600
	MILES	0.0220

PROJECT CONTACTS

OWNER

CITY OF GREELEY

SCOTT LOGAN

2835 10TH STREET

GREELEY, CO 80631

CIVIL ENGINEER

HORROCKS

TIM SELLERS, P.E.

5250 HAHNS PEAK DRIV, SUITE 220

LOVELAND, CO 80538

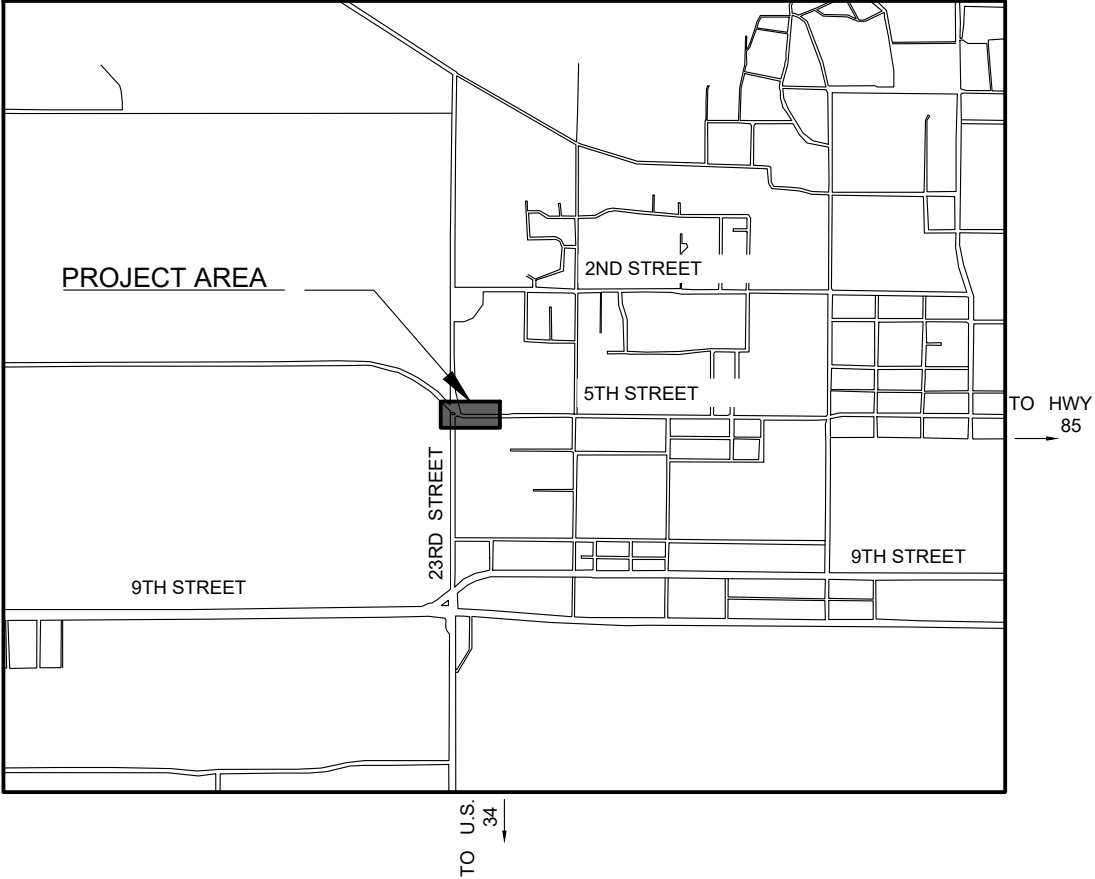
CITY OF GREELEY, COLORADO

5TH STREET BRIDGE IMPROVEMENTS

WELD COUNTY, COLORADO

PROJECT NUMBER: BRO M570-067

PROJECT AREA



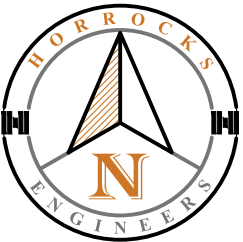
PROJECT MAP LOCATION

HORIZ. SCALE: 1"=2000'



SHEET INDEX

SHEET NUMBERS	TITLE
1	TITLE SHEET
2	CDOT M&S
3	GREELEY STANDARDS
4	TYPICAL SECTIONS
5-6	GENERAL NOTES
7	SUMMARY OF APPROXIMATE QUANTITIES
8	SURVEY TABULATION
9	GEOMETRIC CONTROL
10	REMOVAL PLAN
11	ROADWAY PLAN AND PROFILE
12	PROJECT CONTROL DIAGRAM
13 - 20	STRUCTURE PLANS
21	DRAINAGE PLANS
22-26	EROSION AND SEDIMENT CONTROL PLANS
27	SUGGESTED CONSTRUCTION PHASING PLAN
28	SIGNING AND STRIPING PLAN
29	SUBSURFACE UTILITY PLAN
30 - 33	CROSS SECTIONS
34	TEMPORARY CONSTRUCTION EASEMENT EXHIBIT



PRINT DATE: 11/14/2024 2:03 PM

FILE NAME: CO-9679-24-TITL.DWG

HORIZ. SCALE:

VERT. SCALE:



5250 Hahns Peak Dr., Ste 220
Loveland, CO 80538
(970) 292-0049

Sheet Status

90% PLAN SET
NOT FOR CONSTRUCTION



NOT FOR CONSTRUCTION

NO. REVISIONS:

REVISED:

VOID:

5TH STREET BRIDGE IMPROVEMENTS
GENERAL
TITLE SHEET

DESIGNER:TLT

DETAILER:JAQ

SHEET SUBSET:GEN

STRUCTURE NUMBERS-

-

GEN 01 OF 03

PROJECT ID: 24892

CO-9676-24

PROJECT #:BRO M570-067

01

Q:\2024\CO-9679-24 Greeley - 23rd and 5th St Box Culvert\Project Data\Sheet_Files\Cover\CO-9679-24-TITL_11/14/2024 2:03:48 PM_Sean Fahey

Q:\2024\CO-9679-24 Greeley - 23rd and 5th St Box Culvert\Project Data\Sheet_Files\Cover\CO-9679-24-GENL-CDOT_11/14/2024_2:04:09 PM_Sean Fahey

PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER	PLAN NUMBER	M STANDARD TITLE	PAGE NUMBER	PLAN NUMBER	S STANDARD TITLE	PAGE NUMBER
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☐ M-100-2	ACRONYMS AND ABBREVIATIONS (4 SHEETS).....	4-7		31 INCHES (19 SHEETS) <i>(REVISED ON MARCH 5, 2020)</i>			<i>(REVISED ON APRIL 30, 2024)</i>	
☐ M-203-1	APPROACH ROADS.....	8	☐ M-606-13	GUARDRAIL TYPE 7 F-SHAPE BARRIER (4 SHEETS).....	98-101	☐ S-613-1	ROADWAY LIGHTING (6 SHEETS)	179-186
☐ M-203-2	DITCH TYPES	9	☐ M-606-14	PRECAST TYPE 7 CONCRETE BARRIER (4 SHEETS)..... 102-104	102-104		<i>(REVISED ON SEPTEMBER 30, 2020)</i>	
☐ M-203-11	SUPERELEVATION CROWNED AND.....	10-12		<i>(REVISED ON FEBRUARY 9, 2023)</i>		☐ S-613-2	ALTERNATIVE ROADWAY LIGHTING (4 SHEETS)	
	DIVIDED HIGHWAYS (3 SHEETS)		☐ M-606-15	GUARDRAIL TYPE 9 SINGLE SLOPE BARRIER	105-115		<i>(NEW, ISSUED ON SEPTEMBER 30, 2020)</i>	
☒ M-203-12	SUPERELEVATION STREETS (2 SHEETS).....	13-14		(11 SHEETS) <i>(REVISED ON FEBRUARY 17, 2023)</i>		☐ S-613-3	PULL BOX DETAIL (2 SHEETS) <i>(NEW, ISSUED ON APRIL 4, 2024)</i>	
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	<i>(REVISED ON SEPTEMBER 6, 2022)</i>		☐ M-614-1	RUMBLE STRIPS (3 SHEETS).....	156-158	S-614-9	PEDESTRIAN PUSH BUTTON POST ASSEMBLY (2 SHEETS).....	205-206
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	(2 SHEETS)		☐ M-620-11	FIELD OFFICE CLASS 1.....	167	☐ S-614-20	TYPICAL POLE MOUNT SIGN INSTALLATIONS..	215
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COLORADO
DEPARTMENT OF TRANSPORTATION
M&S STANDARDS PLANS LIST
July 31, 2019

Revised on May 16, 2024

ALL OF THE M&S STANDARD PLANS, AS SUPPLEMENTED
AND REVISED, APPLY TO THIS PROJECT WHEN USED
BY DESIGNATED PAY ITEM OR SUBSIDIARY ITEM.

THE M&S STANDARD PLANS USED TO DESIGN THIS PROJECT ARE
INDICATED BY A MARKED BOX ☒, AND WILL BE ATTACHED TO THE
PLANS. ALL OTHER M&S STANDARD PLANS ARE STILL ELIGIBLE FOR USE
IN CONSTRUCTION IF APPROVED BY AN APPROPRIATE CDOT ENGINEER.

PRINT DATE: 11/14/2024 2:04 PM	Sheet Status		NOT FOR CONSTRUCTION	5TH STREET BRIDGE IMPROVEMENTS			PROJECT ID: 24892
FILE NAME: CO-9679-24-GENL-CDOT.DWG			NO. REVISIONS:	CDOT M&S			BRO M570-067
HORIZ. SCALE: VERT. SCALE:			REVISED:	DESIGNER: TLT	STRUCTURE NUMBERS	-	PROJECT #:BRO M570-067
 5250 Hahns Peak Dr., Ste 220 Loveland, CO 80538 (970) 292-0049	90% PLAN SET NOT FOR CONSTRUCTION		VOID:	DETAILER: JAQ	-	-	02
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STANDARD DETAILS INDEX SHEET

DATE: APRIL, 2016

DETAIL # DRAWING DESCRIPTION

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S-2 COMMERCIAL/INDUSTRIAL
S-2-R LOCAL - RESIDENTIAL
S-3 COLLECTOR
S-4 BLANK - RESERVED FOR FUTURE USE
S-5 MINOR ARTERIAL (2-LANE)
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 APPROACH DETAIL
S-8 STREET INTERSECTION APPROACH DETAIL
S-9 INTERSECTION RIGHT-OF-WAY
S-10 CUL-DE-SAC DETAIL
S-11 CORNER CURB RAMP DETAIL - 20'
 RADIUS
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S-12-4 DIRECTIONAL CORNER CURB RAMP
 DETAIL
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 SIDEWALK
S-15 DRIVE OVER CURB, GUTTER AND
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S-16 VERTICAL FACE CURB AND GUTTER
S-17 ADA DETECTABLE WARNING DETAIL
S-18 MEDIAN CURBS
S-19 CURB, GUTTER AND SIDEWALK
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S-20 CURBHEAD DETAIL
S-21 DETACHED SIDEWALK DETAIL
S-22 CONCRETE JOINT DETAILS FOR SIDE-
 WALKS, CURBS, GUTTERS & CROSS
 PANS

DETAIL # DRAWING DESCRIPTION

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 SIDEWALKS (2 SHEETS)
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S-24 RESIDENTIAL CURB CUT LOCATION
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S-25 CURB, GUTTER AND SIDEWALK REPAIR
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S-26 CONCRETE DRIVEWAY APPROACH FOR
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 VERTICAL FACE CURB & GUTTER
 W/ATTACHED SIDEWALK
S-28 CONCRETE CROSS PAN DETAIL
S-29 BIKEWAY DETAIL

MISC. DETAILS

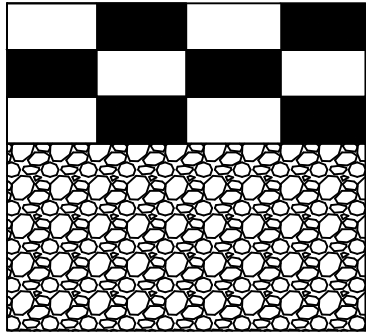
S-30 NEW DEVELOPMENT TRENCH EXCAVATION
 & BACKFILL DETAIL
S-31 EXISTING STREET PAVEMENT PATCH
 DETAIL FOR ASPHALT AND CONCRETE
S-32 SURVEY MONUMENT IN PAVEMENT
S-33 WATER VALVE DETAIL FOR RAISING
 TO FINISHED GRADE
S-34 MANHOLE RAISING DETAIL

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S-36 COMBINATION STREET NAME/NO
 OUTLET SIGN - W14-1P/D3 SPECIAL
S-37 STREET NAME SIGN - D3
S-38 TYPICAL PAVEMENT MARKINGS
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S-42 STANDARD BUS STOP LOCATIONS
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S-50 LEFT TURN LANE DESIGN GUIDELINES
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UTILITY NOTIFICATION NOTE
PUBLIC WORKS SIGNATURE BLOCK

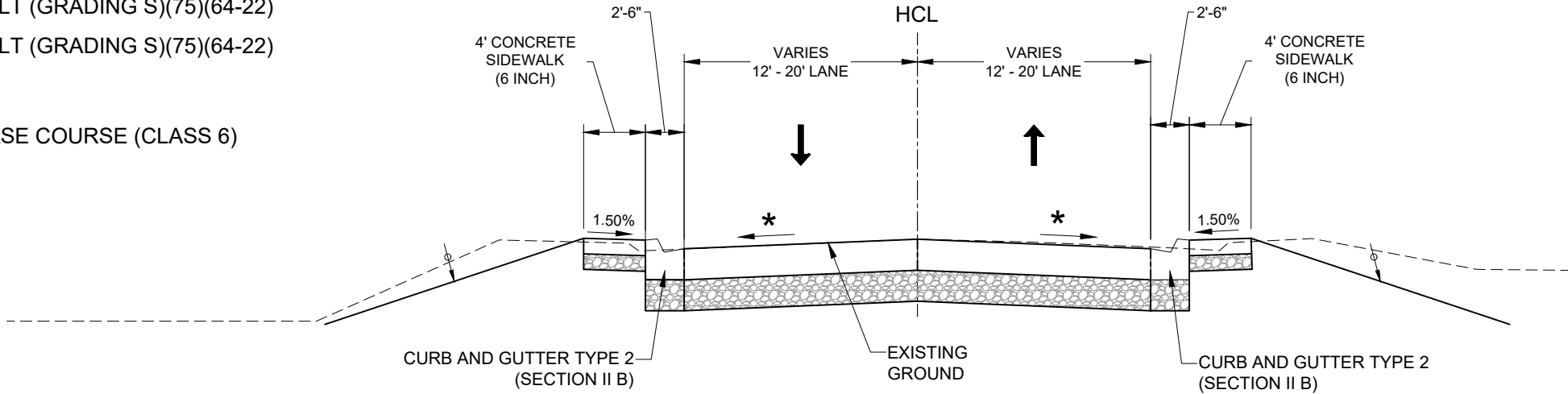
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FILE NAME: CO-9679-24-GENL-CDOT.DWG				NO. REVISIONS:					BRO M570-067	
HORIZ. SCALE:				VERT. SCALE:		REVISED:		DESIGNER:	TLT	STRUCTURE NUMBERS
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				SHEET SUBSET: GEN		SHEET SUBSET: GEN 03 OF 03				



PROPOSED PAVEMENT
SECTION

2" HOT MIX ASPHALT (GRADING SX)(75)(64-28)
2" HOT MIX ASPHALT (GRADING S)(75)(64-22)
2" HOT MIX ASPHALT (GRADING S)(75)(64-22)

6" AGGREGATE BASE COURSE (CLASS 6)



TYPICAL SECTION
N.T.S.

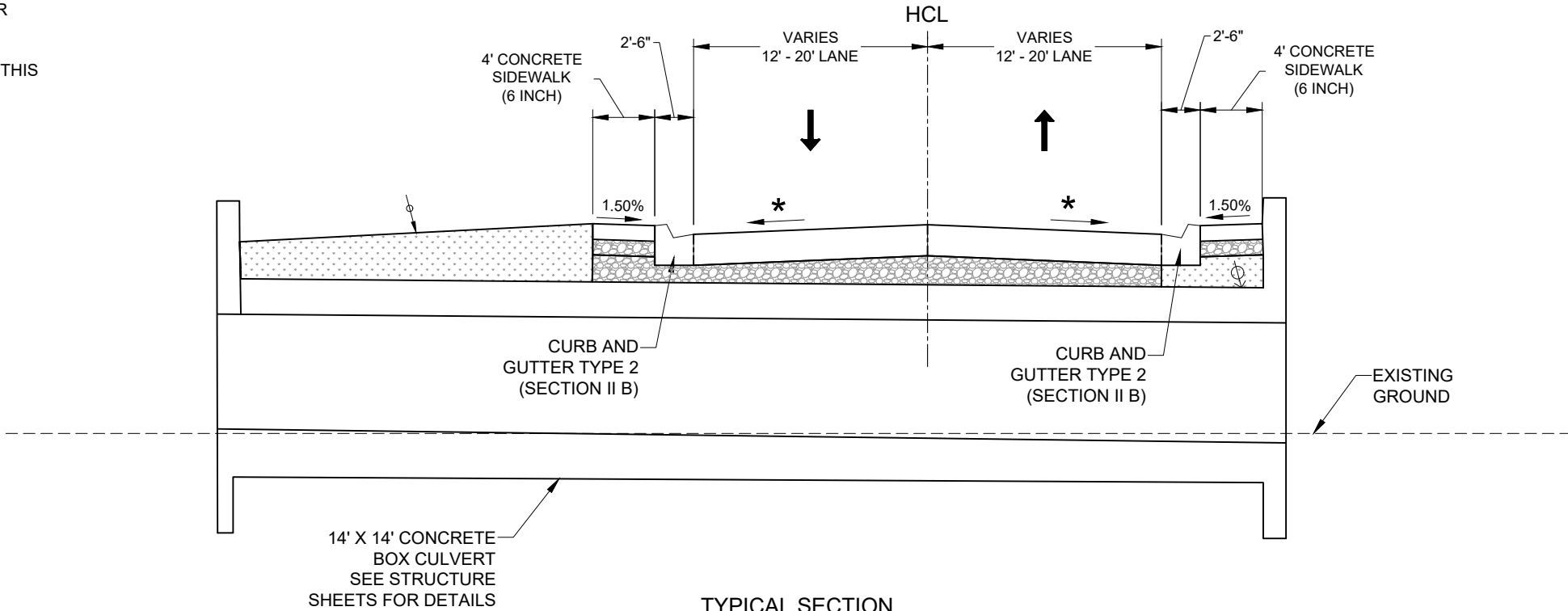
NOTES:

- 1. SEE PLANS FOR DETAIL VARIATIONS.
- 2. SEE ROADWAY PLANS FOR ADDITIONAL SURFACING INFORMATION.

LEGEND

* MAINTAIN EXISTING FLOW PATHS UNLESS NOTED ON THE PLANS. SLOPE VARY, SEE PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.

THE CONTRACTOR SHALL PLACE 4" TOPSOIL (ONSITE) TO THIS POINT.



TYPICAL SECTION
N.T.S.
APPLIES TO CULVERT CROSSING

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FILE NAME: CO-9679-24-TYPC.DWG								BRO M570-067	
HORIZ. SCALE: N.T.S. VERT. SCALE:								PROJECT #:BRO M570-067	
5250 Hahns Peak Dr., Ste 220 Loveland, CO 80538 (970) 292-0049	90% PLAN SET NOT FOR CONSTRUCTION		NO. REVISIONS:	DESIGNER:	TLT	STRUCTURE	-	04	
				REVISOR:	JAQ	NUMBERS	-		
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CITY OF GREELEY GENERAL NOTES

1.

ALL WORK WITHIN THE PUBLIC RIGHT-OF-WAY, OR EASEMENT SHALL CONFORM TO THE CITY OF GREELEY CONSTRUCTION SPECIFICATIONS AND DESIGN STANDARDS.
2.

THE CONTRACTORIS RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF ANY WORK ON THE PROJECT. A PERMIT FROM PUBLIC WORKS DEPARTMENT (970-350-9358) AT LEAST 24 HOUR PRIOR TO REQUIRED INSPECTION.
3.

THE CONTRACTOR SHALL NOTIFY CONSTRUCTION SERVICES (970-350-9358) AT LEAST 24 HOUR PRIOR TO REQUIRED INSPECTION.
4.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER/DEVELOPER, AND THE CITY, OF ANY PROBLEMS IN CONFORMING TO THE ACCEPTED PLANS FOR ANY ELEMENT OF THE PROPOSED IMPROVEMENTS PRIOR TO ITS CONSTRUCTION.
5.

IT IS THE RESPONSIBILITY OF THE DEVELOPER DURING CONSTRUCTION ACTIVITIES TO RESOLVE CONSTRUCTION PROBLEMS DUE TO CHANGED CONDITIONS, OR DESIGN ERRORS ENCOUNTERED BY THE CONTRACTOR DURING THE PROGRESS OF ANY PORTION OF THE PROJECT.IF, IN THE OPINION OF THE CITY, THE MODIFICATIONS PROPOSED BY THE DEVELOPER, TO ACCEPTED PLANS, INVOLVE SIGNIFICANT CHANGES TO THE CHARACTER OF THE WORK, OR TO THE FUTURE CONTIGUOUS PUBLIC OR PRIVATE IMPROVEMENTS, THE DEVELOPER SHALL BE RESPONSIBLE FOR RE-SUBMITTING THE REVISED PLANS TO THE CITY OF GREELEY FOR ACCEPTANCE PRIOR TO ANY FURTHER CONSTRUCTION RELATED TO THAT PORTION OF THE PROJECT.
6.

THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS AT AND ADJACENT TO THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE DUTY OF THE CITY TO CONDUCT CONSTRUCTION REVIEW OF THE CONTRACTOR'S PERFORMANCE IS NOT INTENDED TO INCLUDE REVIEW OF THE ADEQUACY OF THE CONTRACTOR'S SAFETY MEASURES IN, OR NEAR THE CONSTRUCTION SITE.
7.

THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG PERSONS, OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE GREELEY SUPPLEMENT TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
8.

THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL SURVEY MONUMENTS. ANY MONUMENT THAT MUST BE DESTROYED FOR CONSTRUCTION SHALL BE REPLACED. THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A PROFESSIONAL LICENSED SURVEYOR (PLS) PRIOR TO DISTURBING ANY MONUMENTS.
9.

PROOR TO FINAL PLACEMENT OF SURFACE PAVEMENT, ALL UNDERGROUND UTILITY MAINS SHALL BE INSTALLED AND SERVICE CONNECTIONS STUBBED OUT BEYOND CURB LINE, WHEN ALLOWED BY THE UTILITY. SERVICE FROM PUBLIC UTILITIES AND FROM SANITARY SEWERS SHALL BE MADE AVAILABLE FOR EACH LOT IN SUCH A MANNER THAT WILL NOT BE NECESSARY TO DISTURB THE STREET PAVEMENT, CURB, GUTTER, AND SIDEWALK WHEN CONNECTIONS ARE MADE.
10.

A GEOTECHNICAL REPORT HAS BEEN PREPARED BY _____ (REPORT DATE AND PROJECT NO.) FOR RIGHT-OF-WAY GRADING AND PAVING. REFER TO THE GEOTECHNICAL REPORT FOR ANY REQUIREMENTS EXCEEDING CITY STANDARDS. A FINAL PAVEMENT DESIGN REPORT IS ALSO REQUIRED. THE SOIL INVESTIGATION FOR THIS REPORT SHALL OCCUR AFTER UTILITY CONSTRUCTION AND GRADING FOR STREETS IS COMPLETED WITHIN 6' OF ANTICIPATED SUBGRADE. THE FINAL PAVEMENT DESIGN REPORT SHALL BE ACCEPTED BY THE CITY OF GREELEY PRIOR TO ANY NON-STRUCTURAL CONCRETE, PAVEMENT OR SUBGRADE INSTALLATION.

GENERAL NOTES

1.

THESE PUBLIC IMPROVEMENT CONSTRUCTION PLANS SHALL BE VALID FOR A PERIOD OF THREE YEARS FROM THE DATE OF APPROVAL BY THE LOCAL ENTITY ENGINEER. USE OF THESE PLANS AFTER THE EXPIRATION DATE WILL REQUIRE A NEW REVIEW AND APPROVAL PROCESS BY THE LOCAL ENTITY PRIOR TO COMMENCEMENT OF ANY WORK SHOWN IN THESE PLANS.
2.

ALL SANITARY SEWER, STORM SEWER, AND WATER LINE CONSTRUCTION, AS WELL AS POWER AND OTHER "DRY" UTILITY INSTALLATIONS, SHALL CONFORM TO THE LOCAL ENTITY STANDARDS AND SPECIFICATIONS CURRENT AT THE DATE OF APPROVAL OF THE PLANS BY THE LOCAL ENTITY ENGINEER.
3.

THE TYPE, SIZE, LOCATION AND NUMBER OF ALL KNOWN UNDERGROUND UTILITIES ARE APPROXIMATE WHEN SHOWN ON THE DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES ALONG THE ROUTE OF THE WORK BEFORE COMMENCING NEW

- CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNKNOWN UNDERGROUND UTILITIES.
4.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY FOR ANY UTILITY CROSSINGS REQUIRED.
5.

IF A CONFLICT EXISTS BETWEEN EXISTING AND PROPOSED UTILITIES AND/OR A DESIGN MODIFICATION IS REQUIRED, THE CONTRACTOR SHALL COORDINATE WITH THE ENGINEER TO MODIFY THE DESIGN. DESIGN MODIFICATION(S) MUST BE APPROVED BY THE LOCAL ENTITY PRIOR TO BEGINNING CONSTRUCTION.
6.

THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE LOCAL ENTITY, AND ALL UTILITY COMPANIES INVOLVED, TO ASSURE THAT THE WORK IS ACCOMPLISHED IN A TIMELY FASHION AND WITH A MINIMUM DISRUPTION OF SERVICE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING, IN ADVANCE, ALL PARTIES AFFECTED BY ANY DISRUPTION OF ANY UTILITY SERVICE AS WELL AS THE UTILITY COMPANIES.
7.

NO WORK MAY COMMENCE WITHIN ANY PUBLIC STORM WATER, SANITARY SEWER OR POTABLE WATER SYSTEM UNTIL THE CONTRACTOR NOTIFIES THE UTILITY PROVIDER. NOTIFICATION SHALL BE A MINIMUM OF 2 WORKING DAYS PRIOR TO COMMENCEMENT OF ANY WORK. AT THE DISCRETION OF THE WATER UTILITY PROVIDER, A PRE-CONSTRUCTION MEETING MAY BE REQUIRED PRIOR TO COMMENCEMENT OF ANY WORK.
8.

THE CONTRACTOR SHALL SEQUENCE INSTALLATION OF UTILITIES IN SUCH A MANNER AS TO MINIMIZE POTENTIAL UTILITY CONFLICTS. IN GENERAL, STORM SEWER AND SANITARY SEWER SHOULD BE CONSTRUCTED PRIOR TO INSTALLATION OF THE WATER LINES AND DRY UTILITIES.
9.

THE MINIMUM COVER OVER WATER LINES IS 4.5 FEET AND THE MAXIMUM COVER IS 5.5 FEET UNLESS OTHERWISE NOTED IN THE PLANS AND APPROVED BY THE WATER UTILITY.
10.

A STATE CONSTRUCTION DEWATERING WASTEWATER DISCHARGE PERMIT IS REQUIRED IF DEWATERING IS REQUIRED IN ORDER TO INSTALL UTILITIES OR WATER IS DISCHARGED INTO A STORM SEWER, CHANNEL, IRRIGATION DITCH OR ANY WATERS OF THE UNITED STATES.
11.

THE CONTRACTOR SHALL COMPLY WITH ALL TERMS AND CONDITIONS OF THE COR40000 CONSTRUCTION STORMWATER DISCHARGE COLORADO PERMIT FOR STORM WATER DISCHARGE (CONTACT COLORADO DEPARTMENT OF HEALTH, WATER QUALITY CONTROL DIVISION, (303) 692-3590), THE STORM WATER MANAGEMENT PLAN, AND THE EROSION CONTROL PLAN.
12.

ALL RECOMMENDATIONS OF THE FINAL DRAINAGE AND EROSION CONTROL STUDY (NAME OF THE STUDY AND DATE) BY (ENGINEERING FIRM) SHALL BE FOLLOWED AND IMPLEMENTED.
13.

TEMPORARY EROSION CONTROL DURING CONSTRUCTION SHALL BE PROVIDED AS SHOWN ON THE EROSION CONTROL PLAN. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED IN GOOD REPAIR BY THE CONTRACTOR, UNTIL SUCH TIME AS THE ENTIRE DISTURBED AREAS IS STABILIZED WITH HARD SURFACE OR LANDSCAPING.
14.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSURING THAT NO MUD OR DEBRIS SHALL BE TRACKED ONTO THE EXISTING PUBLIC STREET SYSTEM. MUD AND DEBRIS MUST BE REMOVED WITHIN 24 HOURS BY AN APPROPRIATE MECHANICAL METHOD (I.E. MACHINE BROOM SWEEP, LIGHT DUTY FRONT-END LOADER, ETC.) OR AS APPROVED BY THE LOCAL ENTITY STREET INSPECTOR.
15.

NO WORK MAY COMMENCE WITHIN ANY IMPROVED OR UNIMPROVED PUBLIC RIGHT-OF-WAY UNTIL A RIGHT-OF-WAY PERMIT OR DEVELOPMENT CONSTRUCTION PERMIT IS OBTAINED, IF APPLICABLE.
16.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FOR ALL APPLICABLE AGENCIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE LOCAL ENTITY ENGINEERING INSPECTOR AND THE LOCAL ENTITY EROSION CONTROL INSPECTOR AT LEAST 2 WORKING DAYS PRIOR TO THE START OF ANY EARTH DISTURBING ACTIVITY, OR CONSTRUCTION ON ANY AND ALL PUBLIC IMPROVEMENTS. IF THE LOCAL ENTITY ENGINEER IS NOT AVAILABLE AFTER PROPER NOTICE OF CONSTRUCTION ACTIVITY HAS BEEN PROVIDED, THE CONTRACTOR MAY COMMENCE WORK IN THE ENGINEER ABSENCE. HOWEVER, THE LOCAL ENTITY RESERVES THE RIGHT NOT TO ACCEPT THE IMPROVEMENT IF SUBSEQUENT TESTING REVEALS AN IMPROPER INSTALLATION.
17.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING SOILS TESTS WITHIN THE PUBLIC RIGHT- OF-WAY AFTER RIGHT OF WAY GRADING AND ALL UTILITY TRENCH WORK IS COMPLETE AND PRIOR TO THE PLACEMENT OF CURB, GUTTER, SIDEWALK AND PAVEMENT. IF THE FINAL SOILS/PAVEMENT DESIGN REPORT DOES NOT CORRESPOND WITH THE RESULTS OF THE ORIGINAL GEOTECHNICAL REPORT, THE CONTRACTOR

- SHALL BE RESPONSIBLE FOR A RE-DESIGN OF THE SUBJECT PAVEMENT SECTION OR, THE CONTRACTOR MAY USE THE LOCAL ENTITY'S DEFAULT PAVEMENT THICKNESS SECTION(S). REGARDLESS OF THE OPTION USED, ALL FINAL SOILS/PAVEMENT DESIGN REPORTS SHALL BE PREPARED BY A LICENSED PROFESSIONAL ENGINEER. THE FINAL REPORT SHALL BE SUBMITTED TO THE INSPECTOR A MINIMUM OF 10 WORKING DAYS PRIOR TO PLACEMENT OF BASE AND ASPHALT. PLACEMENT OF CURB, GUTTER, SIDEWALK, BASE AND ASPHALT SHALL NOT OCCUR UNTIL THE LOCAL ENTITY ENGINEER APPROVES THE FINAL REPORT.
18.

THE CONTRACTOR SHALL HIRE A LICENSED ENGINEER OR LAND SURVEYOR TO SURVEY THE CONSTRUCTED ELEVATIONS OF THE STREET SUBGRADE AND THE GUTTER FLOWLINE AT ALL INTERSECTIONS, INLETS, AND OTHER LOCATIONS REQUESTED BY THE LOCAL ENTITY INSPECTOR. THE ENGINEER OR SURVEYOR MUST CERTIFY IN A LETTER TO THE LOCAL ENTITY THAT THESE ELEVATIONS CONFORM TO THE APPROVED PLANS AND SPECIFICATIONS. ANY DEVIATIONS SHALL BE NOTED IN THE LETTER AND THEN RESOLVED WITH THE LOCAL ENTITY BEFORE INSTALLATION OF BASE COURSE OR ASPHALT WILL BE ALLOWED ON THE STREETS.
19.

ALL UTILITY INSTALLATIONS WITHIN OR ACROSS THE ROADBED OF NEW RESIDENTIAL ROADS MUST BE COMPLETED PRIOR TO THE FINAL STAGES OF ROAD CONSTRUCTION. FOR THE PURPOSES OF THESE STANDARDS, ANY WORK EXCEPT C/G ABOVE THE SUBGRADE IS CONSIDERED FINAL STAGE WORK. ALL SERVICE LINES MUST BE STUBBED TO THE PROPERTY LINES AND MARKED SO AS TO REDUCE THE EXCAVATION NECESSARY FOR BUILDING CONNECTIONS.
20.

ALL ROAD CONSTRUCTION IN AREAS DESIGNATED AS WILDFIRE HAZARD AREAS SHALL BE DONE IN ACCORDANCE WITH THE CONSTRUCTION CRITERIA AS ESTABLISHED IN THE WILD FIRE HAZARD AREA MITIGATION REGULATIONS IN FORCE AT THE TIME OF FINAL PLAT APPROVAL.
21.

PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE LOCAL ENTITY FORESTER TO SCHEDULE A SITE INSPECTION FOR ANY TREE REMOVAL REQUIRING A PERMIT.
22.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY. REFER TO OSHA PUBLICATION 2226, EXCAVATING AND TRENCHING.
23.

THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION TRAFFIC CONTROL PLAN, IN ACCORDANCE WITH MUTCD, TO THE APPROPRIATE RIGHT-OF-WAY AUTHORITY. (LOCAL ENTITY, COUNTY OR STATE), FOR APPROVAL, PRIOR TO ANY CONSTRUCTION ACTIVITIES WITHIN, OR AFFECTING, THE RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY AND ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE CONSTRUCTION ACTIVITIES.
24.

PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION THAT WILL AFFECT TRAFFIC SIGNS OF ANY TYPE, THE CONTRACTOR SHALL CONTACT LOCAL ENTITY TRAFFIC OPERATIONS DEPARTMENT, WHO WILL TEMPORARILY REMOVE OR RELOCATE THE SIGN AT NO COST TO THE CONTRACTOR; HOWEVER, IF THE CONTRACTOR MOVES THE TRAFFIC SIGN THEN THE CONTRACTOR WILL BE CHARGED FOR THE LABOR, MATERIALS AND EQUIPMENT TO REINSTALL THE SIGN AS NEEDED.
25.

THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS FOR THE INITIAL INSTALLATION OF TRAFFIC SIGNING AND STRIPING FOR THE DEVELOPMENT RELATED TO THE DEVELOPMENT'S LOCAL STREET OPERATIONS. IN ADDITION, THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS FOR TRAFFIC SIGNING AND STRIPING RELATED TO DIRECTING TRAFFIC ACCESS TO AND FROM THE DEVELOPMENT.
26.

THERE SHALL BE NO SITE CONSTRUCTION ACTIVITIES ON SATURDAYS, UNLESS SPECIFICALLY APPROVED BY THE LOCAL ENTITY ENGINEER, AND NO SITE CONSTRUCTION ACTIVITIES ON SUNDAYS OR HOLIDAYS, UNLESS THERE IS PRIOR WRITTEN APPROVAL BY THE LOCAL ENTITY.
27.

THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR AND MATERIALS NECESSARY FOR THE COMPLETION OF THE INTENDED IMPROVEMENTS, SHOWN ON THESE DRAWINGS, OR DESIGNATED TO BE PROVIDED, INSTALLED, OR CONSTRUCTED, UNLESS SPECIFICALLY NOTED OTHERWISE.
28.

DIMENSIONS FOR LAYOUT AND CONSTRUCTION ARE NOT TO BE SCALED FROM ANY DRAWING. IF PERTINENT DIMENSIONS ARE NOT SHOWN, CONTACT THE DESIGNER FOR CLARIFICATION, AND ANNOTATE THE DIMENSION ON THE AS-BUILT RECORD DRAWINGS.
29.

THE CONTRACTOR SHALL HAVE, ONSITE AT ALL TIMES, ONE (1) SIGNED COPY OF THE APPROVED PLANS, ONE (1) COPY OF THE APPROPRIATE STANDARDS AND SPECIFICATIONS, AND A COPY OF ANY PERMITS AND EXTENSION AGREEMENTS NEEDED FOR THE JOB.

PRINT DATE: 11/14/2024 2:09 PM		Sheet Status	City of Greeley Colorado	NOT FOR CONSTRUCTION		5TH STREET BRIDGE IMPROVEMENTS				PROJECT ID: 24892		
FILE NAME: CO-9679-24-GENL-NOTE.DWG				NO. REVISIONS:		GENERAL NOTES 01				BRO M570-067		
HORIZ. SCALE:		VERT. SCALE:		REVISED:		DESIGNER: TLT		STRUCTURE		-		
Horrocks. 5250 Hahns Peak Dr., Ste 220 Loveland, CO 80538 (970) 292-0049		90% PLAN SET NOT FOR CONSTRUCTION		VOID:		DETAILER: JAQ		NUMBERS		-		
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GENERAL NOTES (CONTINUED)

30. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER AND THE LOCAL ENTITY ENGINEER IMMEDIATELY.
31. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RECORDING AS-BUILT INFORMATION ON A SET OF RECORD DRAWINGS KEPT ON THE CONSTRUCTION SITE, AND AVAILABLE TO THE LOCAL ENTITY'S INSPECTOR AT ALL TIMES. UPON COMPLETION OF THE WORK, THE CONTRACTOR(S) SHALL SUBMIT RECORD DRAWINGS TO THE LOCAL ENTITY ENGINEER.
32. THE DESIGNER SHALL PROVIDE, IN THIS LOCATION ON THE PLAN, THE LOCATION AND DESCRIPTION OF THE NEAREST SURVEY BENCHMARKS FOR THE PROJECT AS WELL AS THE BASIS OF BEARINGS. THE INFORMATION SHALL BE AS FOLLOWS:

BASIS OF BEARINGS: THE WEST LINE OF THE NORTHWEST QUARTER OF SECTION 6, TOWNSHIP 5 NORTH, RANGE 65 WEST OF THE 6TH P.M., BEING MONUMENTED ON THE NORTH END BY A 3.25 INCH ALUMINUM CAP MARKED "PLS 10855" AND AT THE SOUTH END BY A 3.25 INCH ALUMINUM CAP MARKED "LS 22098, 1997" IS ASSUMED TO BEAR SOUTH 00°07'47" EAST A DISTANCE OF 2659.66 FEET.

ELEVATION DATUM: NAVD88 BASED ON STATIC GPS OBSERVATIONS CONDUCTED ON JUNE 4, 2024 AND CONFIRMED THROUGH N.G.S. ONLINE POSITIONING USER SERVICE ON CONTROL POINT 1, HAVING AN ELEVATION OF 4686.88'.

COORDINATE DATUM: PROJECT COORDINATES ARE COLORADO STATE PLANE NORTH ZONE NAD83 (2011) USING A SCALE FACTOR OF 1.0002596 / 0.9997405 ABOUT CONTROL POINT 1.
33. ALL STATIONING IS BASED ON CENTERLINE (LAPORTE AVENUE) OF ROADWAYS UNLESS OTHERWISE NOTED.
34. DAMAGED CURB, GUTTER AND SIDEWALK EXISTING PRIOR TO CONSTRUCTION, AS WELL AS EXISTING FENCES, TREES, STREETS, SIDEWALKS, CURBS AND GUTTERS, LANDSCAPING, STRUCTURES, AND IMPROVEMENTS DESTROYED, DAMAGED OR REMOVED DUE TO CONSTRUCTION OF THIS PROJECT, SHALL BE REPLACED OR RESTORED IN LIKE KIND AT THE CONTRACTOR'S EXPENSE, UNLESS OTHERWISE INDICATED ON THESE PLANS, PRIOR TO THE ACCEPTANCE OF COMPLETED IMPROVEMENTS AND/OR PRIOR TO THE ISSUANCE OF THE FIRST CERTIFICATE OF OCCUPANCY.
35. WHEN AN EXISTING ASPHALT STREET MUST BE CUT, THE STREET MUST BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. THE EXISTING STREET CONDITION SHALL BE DOCUMENTED BY THE LOCAL ENTITY CONSTRUCTION INSPECTOR BEFORE ANY CUTS ARE MADE. PATCHING SHALL BE DONE IN ACCORDANCE WITH THE LOCAL ENTITY STREET REPAIR STANDARDS. THE FINISHED PATCH SHALL BLEND IN SMOOTHLY INTO THE EXISTING SURFACE. ALL LARGE PATCHES SHALL BE PAVED WITH AN ASPHALT LAY-DOWN MACHINE. IN STREETS WHERE MORE THAN ONE CUT IS MADE, AN OVERLAY OF THE ENTIRE STREET WIDTH, INCLUDING THE PATCHED AREA, MAY BE REQUIRED. THE DETERMINATION OF NEED FOR A COMPLETE OVERLAY SHALL BE MADE BY THE LOCAL ENTITY ENGINEER AND/OR THE LOCAL ENTITY INSPECTOR AT THE TIME THE CUTS ARE MADE.
36. UPON COMPLETION OF CONSTRUCTION, THE SITE SHALL BE CLEANED AND RESTORED TO A CONDITION EQUAL TO, OR BETTER THAN, THAT WHICH EXISTED BEFORE CONSTRUCTION, OR TO THE GRADES AND CONDITION AS REQUIRED BY THESE PLANS.
37. STANDARD HANDICAP RAMPS ARE TO BE CONSTRUCTED AT ALL CURB RETURNS AND AT ALL "T" INTERSECTIONS.
38. AFTER ACCEPTANCE BY THE LOCAL ENTITY, PUBLIC IMPROVEMENTS DEPICTED IN THESE PLANS SHALL BE GUARANTEED TO BE FREE FROM MATERIAL AND WORKMANSHIP DEFECTS FOR A MINIMUM PERIOD OF TWO YEARS FROM THE DATE OF ACCEPTANCE

STREET IMPROVEMENTS NOTES

1. ALL STREET CONSTRUCTION IS SUBJECT TO THE GENERAL NOTES ON THE COVER SHEET OF THESE PLANS AS WELL AS THE STREET IMPROVEMENTS NOTES LISTED HERE.
2. A PAVING SECTION DESIGN, SIGNED AND STAMPED BY A COLORADO LICENSED ENGINEER, MUST BE SUBMITTED TO THE LOCAL ENTITY ENGINEER FOR APPROVAL, PRIOR TO ANY STREET CONSTRUCTION ACTIVITY, (FULL DEPTH ASPHALT SECTIONS ARE NOT PERMITTED AT A DEPTH GREATER THAN 8 INCHES OF ASPHALT). THE JOB MIX SHALL BE SUBMITTED FOR APPROVAL PRIOR TO PLACEMENT OF ANY ASPHALT.

3. UNLESS OTHERWISE SHOWN ON THE PLANS, WHERE PROPOSED PAVING ADJOINS EXISTING ASPHALT, THE EXISTING ASPHALT SHALL BE SAW CUT, A MINIMUM DISTANCE OF 12 INCHES FROM THE EXISTING EDGE, TO CREATE A CLEAN CONSTRUCTION JOINT. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE EXISTING PAVEMENT TO A DISTANCE WHERE A CLEAN CONSTRUCTION JOINT CAN BE MADE. WHEEL CUTS SHALL NOT BE ALLOWED UNLESS APPROVED BY THE LOCAL ENTITY ENGINEER IN FORT COLLINS.
4. FOR REMOVALS, ALL SAWCUTTING IS INCIDENTAL TO THE WORK.
5. STREET SUBGRADES SHALL BE SCARIFIED THE TOP 12 INCHES AND RE-COMPACTED PRIOR TO SUBBASE INSTALLATION. NO BASE MATERIAL SHALL BE LAID UNTIL THE SUBGRADE HAS BEEN INSPECTED AND APPROVED BY THE LOCAL ENTITY ENGINEER.
6. WHEN AN EXISTING ASPHALT STREET MUST BE CUT, THE STREET MUST BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN ITS ORIGINAL CONDITION. THE EXISTING STREET CONDITION SHALL BE DOCUMENTED BY THE INSPECTOR BEFORE ANY CUTS ARE MADE. CUTTING AND PATCHING SHALL BE DONE IN CONFORMANCE WITH CHAPTER 25, RECONSTRUCTION AND REPAIR. THE FINISHED PATCH SHALL BLEND SMOOTHLY INTO THE EXISTING SURFACE. THE DETERMINATION OF NEED FOR A COMPLETE OVERLAY SHALL BE MADE BY THE LOCAL ENTITY ENGINEER. ALL OVERLAY WORK SHALL BE COORDINATED WITH ADJACENT LANDOWNERS SUCH THAT FUTURE PROJECTS DO NOT CUT THE NEW ASPHALT OVERLAY WORK.
7. ALL TRAFFIC CONTROL DEVICES SHALL BE IN CONFORMANCE WITH THESE PLANS OR AS OTHERWISE SPECIFIED IN M.U.T.C.D. (INCLUDING COLORADO SUPPLEMENT) AND AS PER THE RIGHT-OF-WAY WORK PERMIT TRAFFIC CONTROL PLAN.
8. THE CONTRACTOR IS REQUIRED TO PERFORM A GUTTER WATER FLOW TEST IN THE PRESENCE OF THE LOCAL ENTITY INSPECTOR AND PRIOR TO INSTALLATION OF ASPHALT. GUTTERS THAT HOLD MORE THAN ¼ INCH DEEP OR 5 FEET LONGITUDINALLY, OF WATER, SHALL BE COMPLETELY REMOVED AND RECONSTRUCTED TO DRAIN PROPERLY.
9. PRIOR TO PLACEMENT OF H.B.P. OR CONCRETE WITHIN THE STREET AND AFTER MOISTURE/DENSITY TESTS HAVE BEEN TAKEN ON THE SUBGRADE MATERIAL (WHEN A FULL DEPTH SECTION IS PROPOSED) OR ON THE SUBGRADE AND BASE MATERIAL (WHEN A COMPOSITE SECTION IS PROPOSED), A MECHANICAL "PROOF ROLL" WILL BE REQUIRED. THE ENTIRE SUBGRADE AND/OR BASE MATERIAL SHALL BE ROLLED WITH A HEAVILY LOADED VEHICLE HAVING A TOTAL GVW OF NOT LESS THAN 50,000 LBS. AND A SINGLE AXLE WEIGHT OF AT LEAST 18,000 LBS. WITH PNEUMATIC TIRES INFLATED TO NOT LESS THAN 90 P.S.I.G. "PROOF ROLL" VEHICLES SHALL NOT TRAVEL AT SPEEDS GREATER THAN 3 M.P.H. ANY PORTION OF THE SUBGRADE OR BASE MATERIAL WHICH EXHIBITS EXCESSIVE PUMPING OR DEFORMATION, AS DETERMINED BY THE LOCAL ENTITY ENGINEER, SHALL BE REWORKED, REPLACED OR OTHERWISE MODIFIED TO FORM A SMOOTH, NON-YIELDING SURFACE. THE LOCAL ENTITY ENGINEER SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE "PROOF ROLL." ALL "PROOF ROLLS" SHALL BE PREFORMED IN THE PRESENCE OF AN INSPECTOR

TRAFFIC SIGNING AND PAVEMENT MARKING CONSTRUCTION NOTES

1. PRIOR TO PERMANENT INSTALLATION OF TRAFFIC STRIPING AND SYMBOLS, THE CONTRACTOR SHALL PLACE TEMPORARY TABS OR TAPE DEPICTING ALIGNMENT AND PLACEMENT OF THE SAME. THEIR PLACEMENT SHALL BE APPROVED BY THE CITY'S TRAFFIC ENGINEER OR THEIR DESIGNEE PRIOR TO PERMANENT INSTALLATION OF STRIPING AND SYMBOLS.
2. ALL SURFACES SHALL BE THOROUGHLY CLEANED PRIOR TO INSTALLATION OF STRIPING OR MARKINGS.
3. ALL SIGNPOSTS SHALL UTILIZE BREAK-AWAY ASSEMBLIES AND FASTENERS PER THE STANDARDS.
4. THE CONTRACTOR INSTALLING SIGNS SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES.
5. SPECIAL CARE SHALL BE TAKEN IN SIGN LOCATION TO ENSURE AN UNOBSTRUCTED VIEW OF EACH SIGN.
6. THE CITY'S TRAFFIC ENGINEER RESERVES THE RIGHT TO REQUIRE ADDITIONAL SIGNAGE AND/OR STRIPING IF IT IS DETERMINED THAT AN UNFORESEEN CONDITION WARRANTS SUCH ACCORDING TO THE MUTCD OR THE CDOT M AND S STANDARDS.
7. CONTRACTOR IS RESPONSIBLE FOR REMOVING SIGNS, DELINEATORS, AND SUPPORT SYSTEMS (WHICH INCLUDES ANCHORS AND POSTS) AS IDENTIFIED IN PLANS. CONTRACTOR MAY CALL THE CITY TRAFFIC DIVISION FOR SALVAGE AND REMOVAL OF SIGN PANELS.

TREE PROTECTION NOTES

1. ALL EXISTING TREES WITHIN THE LIMITS OF DEVELOPMENT AND WITHIN ANY NATURAL AREA BUFFER ZONES SHALL REMAIN AND BE PROTECTED UNLESS NOTED ON THESE PLANS FOR REMOVAL.
2. WITHIN THE DROP LINE OF ANY PROTECTED EXISTING TREE, THERE SHALL BE NO CUT OR FILL OVER A FOUR-INCH DEPTH UNLESS A QUALIFIED ARBORIST OR FORESTER HAS EVALUATED AND APPROVED THE DISTURBANCE.
3. ALL PROTECTED TREES SHALL BE PRUNED TO THE CITY OF FORT COLLINS FORESTRY STANDARDS. TREE PRUNING AND REMOVAL SHALL BE PERFORMED BY AN BUSINESS THAT HOLDS A CURRENT CITY OF FORT COLLINS ARBORIST LICENSE WHERE REQUIRED BY CODE.
4. PRIOR TO AND DURING CONSTRUCTION, BARRIERS SHALL BE ERECTED AROUND ALL PROTECTED EXISTING TREES WITH SUCH BARRIERS TO BE OF ORANGE FENCING A MINIMUM OF FOUR (4) FEET IN HEIGHT, SECURED WITH METAL T-POSTS, NO CLOSER THAN SIX (6) FEET FROM THE TRUNK OR ONE-HALF (1/2) OF THE DRIP LINE, WHICHEVER IS GREATER. THERE SHALL BE NO STORAGE OR MOVEMENT OF EQUIPMENT, MATERIAL, DEBRIS OR FILL WITHIN THE FENCED TREE PROTECTION ZONE.
5. DURING THE CONSTRUCTION STAGE OF DEVELOPMENT, THE APPLICANT SHALL PREVENT CLEANING OF EQUIPMENT OR MATERIAL, OR THE STORAGE AND DISPOSAL OF WASTE MATERIAL SUCH AS PAINTS, OILS, SOLVENTS, ASPHALT, CONCRETE, MOTOR OIL OR ANY OTHER MATERIAL HARMFUL TO THE LIFE OF A TREE WITHIN THE DRIP LINE OF ANY PROTECTED TREE OR GROUP OF TREES.
6. NO DAMAGING ATTACHMENT, WIRES, SIGNS OR PERMITS MAY BE FASTENED TO ANY PROTECTED TREE.
7. LARGE PROPERTY AREAS CONTAINING PROTECTED TREES AND SEPARATED FROM CONSTRUCTION OR LAND CLEARING AREAS, ROAD RIGHTS-OF-WAY AND UTILITY EASEMENTS MAY BE "RIBBONED OFF," RATHER THAN ERECTING PROTECTIVE FENCING AROUND EACH BY PLACING METAL T-POSTS STAKES A MAXIMUM OF FIFTY (50) FEET APART AND TYING RIBBON OR ROPE FROM STAKE-TO-STAKE ALONG THE OUTSIDE PERIMETERS OF SUCH AREAS BEING CLEARED.
8. THE INSTALLATION OF UTILITIES, IRRIGATION LINES OR ANY UNDERGROUND FIXTURE REQUIRING EXCAVATION DEEPER THAN SIX (6) INCHES SHALL BE ACCOMPLISHED BY BORING UNDER THE ROOT SYSTEM OF PROTECTED EXISTING TREES AT A MINIMUM DEPTH OF TWENTY-FOUR (24) INCHES. THE AUGER DISTANCE IS ESTABLISHED FROM THE FACE OF THE TREE (OUTER BARK) AND IS SCALED FROM THE TREE DIAMETER AT BREAST HEIGHT AS DESCRIBED IN THE CHART BELOW:
9. ALL TREE REMOVAL SHOWN SHALL BE COMPLETED OUTSIDE OF THE SONGBIRD NESTING SEASON (FEB 1 - JULY 31) OR CONDUCT A SURVEY OF TREES ENSURING NO ACTIVE NESTS IN THE AREA.

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SUMMARY OF APPROXIMATE QUANTITIES

CDOT ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	AS-BUILT
201-00000	CLEARING AND GRUBBING	L S	1	
202-00010	REMOVAL OF TREE	EACH	1	
202-00019	REMOVAL OF INLET	EACH	1	
202-00033	REMOVAL OF PIPE	EACH	20	
202-00155	REMOVAL OF WALL	LF	65	
202-00175	REMOVAL OF CONCRETE	SY	132	
202-00220	REMOVAL OF ASPHALT MAT	SY	304	
202-00400	REMOVAL OF BRIDGE	EACH	1	
202-01000	REMOVAL OF FENCE	LF	65	
202-01130	REMOVAL OF GUARDRAIL TYPE 3	LF	71	
203-00000	UNCLASSIFIED EXCAVATION	CY	81	
203-01597	POTHOLING	HOUR	4	
206-00000	STRUCTURE EXCAVATION	CY	400	
206-00100	STRUCTURE BACKFILL (CLASS 1)	CY	147	
207-00700	TOPSOIL (ONSITE)	CY	11	
208-00002	EROSION LOG TYPE 1 (12 INCH)	LF	168	
208-00011	EROSION BALES (WEED FREE)	EACH	8	
208-00020	SILT FENCE	LF	264	
208-00035	AGGREGATE BAG	LF	10	
208-00046	PRE-FABRICATED CONCRETE WASHOUT STRUCTURE (TYPE 1)	EACH	2	
208-00054	STORM DRAIN INLET PROTECTION (TYPE II)	EACH	1	
208-00075	PRE-FABRICATED VEHICLE TRACKING PAD	EACH	2	
208-00106	SWEEPING (SEDIMENT REMOVAL)	HOUR	20	
208-00107	REMOVAL OF TRASH	HOUR	80	
208-00207	EROSION CONTROL MANAGEMENT	DAY	40	
210-00003	RESET WALL	LF	36	
210-00810	RESET GROUND SIGN	EACH	2	
210-04010	ADJUST MANHOLE	EACH	1	
212-00706	SEEDING (NATIVE) DRILL	ACRE	1	

SUMMARY OF APPROXIMATE QUANTITIES

CDOT ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY	AS-BUILT
216-00042	SOIL RETENTION BLANKET (BIODEGRADABLE STRAW/COCONUT)	SY	141	
304-06007	AGGREGATE BASE COURSE (CLASS 6)	CY	97	
306-01000	RECONDITIONING	SY	570	
308-00300	STABILIZED SUBGRADE	SY	145	
403-33741	HOT MIX ASPHALT (GRADING S) (75) (PG 64-22)	TON	80	
403-34751	HOT MIX ASPHALT (GRADING SX) (75) (PG 64-28)	TON	40	
506-00206	RIPRAP (6 INCH)	CY	11	
515-00120	WATERPROOFING (MEMBRANE)	SY	294	
601-03030	CONCRETE CLASS D (BOX CULVERT)	CY	51	
601-03050	CONCRETE CLASS D (WALL)	CY	23	
602-00020	REINFORCING STEEL (EPOXY COATED)	LB	18,417	
603-71404	14X4 FOOT CONCRETE BOX CULVERT (PRECAST)	LF	60	
604-50200	MANHOLE RING AND COVER	EACH	1	
606-10200	BRIDGE RAIL (SPECIAL)	LF	65	
607-11525	FENCE (PLASTIC)	LF	118	
608-00006	CONCRETE SIDEWALK (6 INCH)	SY	118	
608-10010	SIDEWALK DRAIN	EACH	1	
609-21020	CURB AND GUTTER TYPE 2 (SECTION II-B)	LF	222	
620-00020	SANITARY FACILITY	EACH	1	
625-00000	CONSTRUCTION SURVEYING	L S	1	
626-00000	MOBILIZATION	L S	1	
627-00013	PAVEMENT MARKING PAINT (HIGH BUILD)	GAL	1	
630-99999	TEMPORARY TRAFFIC CONTROL	L S	1	
700-70010	F/A MINOR CONTRACT REVISIONS	F A	1	
700-70380	F/A EROSION CONTROL	F A	1	
700-90050	F/A RELOCATE UTILITIES	F A	1	
700-93301	F/A DEWATERING	F A	1	

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FILE NAME: CO-9679-24-TABS-SAQ.DWG					NO. REVISIONS:						BRO M570-067	
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TO ESTABLISH GEOMETRIC CONTROL FOR THE CONSTRUCTION OF THIS PROJECT, THE DEPARTMENT HAS PROVIDED THE FOLLOWING INFORMATION.

☒ 3D DESIGN MODELING ELECTRONIC FILES

☐ HORIZONTAL CONTROL

☐ VERTICAL CONTROL

☐ ROADWAY ALIGNMENT

☐ ORIGINAL TERRAIN DATA

☐ OTHER

CIVIL3D CAD FILES

NOT APPLICABLE

NOT APPLICABLE

NOT APPLICABLE

NOT APPLICABLE

NOT APPLICABLE

SPECIFY THE INFORMATION FORMAT, I.E., PLAN SHEET, COMPUTER DISK, COMPUTER PRINTOUT OR OTHER. THE INFORMATION MARKED IS EITHER CONTAINED ON THE PLANS OR IS AVAILABLE FROM THE ENGINEER.

TYPE OF PROJECT

☐ LANDSCAPING

☐ SIGNALIZATION

☐ SAFETY IMPROVEMENT

☐ ASPHALT OVERLAY

☐ CONCRETE OVERLAY

☐ MINOR WIDENING

☐ MAJOR RECONSTRUCTION

☐ NEW ROADWAY CONSTRUCTION

☐ BRIDGE REPLACEMENT

☐ BRIDGE WIDENING

☐ NEW BRIDGE

☒ OTHER: BOX CULVERT

SURVEY WORK TO BE PERFORMED BY OTHERS: NOT APPLICABLE

WORK PERFORMED BY THE CONTRACTOR'S SURVEY UNDER SECTION 625:

☐ A COMPLETE PASSING BASE LINE REPORT
(COMPLETED WITHIN 6 MONTHS PRIOR TO THE START OF THE PROJECT)

☐ AN INSTRUMENT CALIBRATION CERTIFICATION
(COMPLETED WITHIN 6 MONTHS PRIOR TO THE START OF THE PROJECT)

☐ ESTABLISH AND MAINTAIN PROJECT CENTERLINE OR ENGINEER APPROVED OFFSET LIMITS

☒ VERIFICATION AND MAINTENANCE OF HORIZONTAL AND VERTICAL CONTROL

☒ VERIFY OR DETERMINE EXISTING GRADES AND ALIGNMENTS

☐ VERIFY OR DETERMINE EXISTING TOPOGRAPHY

☐ CLEARING AND GRUBBING LIMITS (SECTION 201)

☒ REMOVAL LIMITS (SECTION 202)

☐ RESET ITEMS (SECTION 210)

☒ EXCAVATION AND EMBANKMENT (SECTION 203)

☒ EXCAVATION

☐ UNCLASSIFIED

☐ STRIPPING

☐ MUCK

☐ ROCK

☐ BORROW

☐ OTHER: NOT APPLICABLE

☐ POTHOLING

EXCAVATION	SLOPE STAKING (Y/N)	GRID (Y/N)	GRADE (Y/N)	SPECIAL INTERVAL
	--	--	--	--
	--	--	--	--
	--	--	--	--
	--	--	--	--
	--	--	--	--

☒ EMBANKMENT

☐ SITE GRADING

☐ EROSION CONTROL (PERMANENT)

☐ OTHER: NOT APPLICABLE

☐ AS STAKED EARTHWORK QUANTITIES
(SEE GENERAL NOTES)

EMBANKMENT	--	--	--	--
	--	--	--	--
	--	--	--	--
	--	--	--	--

☐ LANDSCAPING

☐ TOPSOIL (SECTION 207)

☐ SEEDING (SECTION 212)

☐ MULCHING (SECTION 213)

☐ PLANTING (SECTION 214)

☐ HERBICIDE (SECTION 217)

☐ OTHER: NOT APPLICABLE

☐ EROSION CONTROL (SECTION 208)

☐ SEEDING (TEMPORARY)

☐ SILT FENCE

☐ EROSION BALES

☐ EROSION LOGS

☐ RIPRAP (TEMPORARY)

☐ OTHER: NOT APPLICABLE

☒ ROADWAY BASES

☒ UNTREATED SUBGRADE

☐ TREATED SUBGARDE

☒ AGGREGATE BASE COURSE (304)

☐ RECONDITIONING

☐ PMBB

☐ OTHER: NOT APPLICABLE

ROADWAY BASES	GRID (Y/N)	GRADE (Y/N)	SPECIAL INTERVAL	SPECIAL OFFSET
	--	Y	25	--
	--	--	--	--
	--	Y	25	--
	--	--	--	--
	--	--	--	--

☒ PAVEMENTS

☒ HMA (SECTION 403)

☐ CONCRETE (SECTION 412)

☐ HEATING AND SCARIFYING TREATMENT

☐ PRIME COAT, TACK COAT AND REJUVENATING AGENT

☐ SEAL COAT OR CHIP SEAL (SECTION 409)

☐ OTHER: NOT APPLICABLE

PAVEMENTS	GRID (Y/N)	GRADE (Y/N)	SPECIAL INTERVAL
	--	Y	25
	--	--	--
	--	--	--
	--	--	--
	--	--	--

☒ ROADWAY ELEMENTS

☒ CURB & GUTTER (SECTION 609)

☐ DROP INLETS - ALIGNMENT AND GRADES (SECTION 604)

☐ RETAINING WALLS

☒ GUARDRAIL (SECTION 606)

☒ SIDEWALK (SECTION 608)

☐ OVERLAY STATIONING

☐ OTHER: NOT APPLICABLE

CURB & GUTTER	TANGENT INTERVAL	CURVE INTERVAL	SPECIAL OFFSET
	25	10	--

☒ RIPRAP (PERMANENT) (SECTION 506)

☐ SLOPE AND DITCH PAVING (SECTION 507)

☒ MINOR STRUCTURES

☒ STRUCTURE EXCAVATION LIMITS (SECTION 206)

☐ CULVERTS (SECTION 603)

☐ CULVERTS WITH HEADWALLS & WINGWALLS (SECTION 601)

☒ CONCRETE BOX CULVERTS WITH HEADWALLS & WINGWALLS

☐ PIPES (SECTION 603)

☐ SANITARY SEWER

☐ STORM WATER

☐ WATER

☐ IRRIGATION

☐ MISCELLANEOUS

☒ MANHOLES (SECTION 604)

☐ INLETS (SECTION 604)

☐ PERMANENT WATER QUALITY BMP (SECTION 208)

☐ OTHER: NOT APPLICABLE

☐ MAJOR STRUCTURES - OVERHEAD SIGNS (614), CONCRETE BOX CULVERTS, BRIDGES AND ALL OTHER STRUCTURES ASSIGNED A STRUCTURE NUMBER

☐ STRUCTURE EXCAVATION LIMITS (SECTION 206)

☐ CONCRETE BOX CULVERTS (SECTION 603) W/ HEADWALLS & WINGWALLS (SECTION 601)

☐ PILING LOCATIONS AND CUT OFF ELEVATIONS (SECTION 502)

☐ CAISSON LOCATIONS AND ELEVATIONS (SECTION 503)

☐ FOOTING LOCATIONS, ALIGNMENT AND ELEVATIONS

☐ ABUTMENT/PIER LOCATIONS, ALIGNMENT AND ELEVATIONS

☐ WINGWALL SKEW ANGLES/OFFSETS

☐ STRUCTURAL CONCRETE FORM LOCATIONS

☐ SUBSTRUCTURE AS-CONSTRUCTED SURVEY - REQ. FOR BRIDGES AND OVERHEAD SIGNS

☐ BRIDGE EXPANSION JOINT(S) ALIGNMENT AND GRADE (LONGITUDINAL & TRANSVERSE)

☐ DECK GRADES AT GIRDER 10TH OR "N" TH POINT LOCATIONS AND ELEVATIONS

☐ SLOPE AND DITCH PAVING (SECTION 507)

☐ OTHER: NOT APPLICABLE

STATIONING	LEFT INTERVAL	CENTER INTERVAL	RIGHT INTERVAL
	10	--	10
	25	--	25
	--	--	--

☐ FENCING (SECTION 607)

☐ TEMPORARY

☐ PERMANENT

☐ SOUND BARRIER

☐ OTHER: NOT APPLICABLE

☐ LIGHTING (SECTION 613) AND TRAFFIC CONTROL DEVICES (PERMANENT) (SECTION 614)

☐ SIGNAL POLE LOCATIONS AND ELEVATIONS

☐ LIGHT POLE LOCATIONS AND ELEVATIONS

☐ SIGN LOCATIONS

☐ FIELD VERIFY SIGN POST LOCATIONS, ELEVATIONS AND LENGTHS BEFORE FABRICATION

☐ OTHER: NOT APPLICABLE

☒ PAVEMENT MARKING (SECTION 627)

☐ STRIPING TEMPORARY

☒ STRIPING PERMANENT

☐ SYMBOLS

☐ OTHER: NOT APPLICABLE

☐ TEMPORARY LIGHTING AND TRAFFIC CONTROL DEVICES (SECTION 630)

☐ SIGNAL POLE LOCATIONS AND ELEVATIONS (TEMPORARY)

☐ LIGHT POLE LOCATIONS AND ELEVATIONS (TEMPORARY)

☐ SIGN LOCATIONS (TEMPORARY)

☐ OTHER: NOT APPLICABLE

WORK PERFORMED BY THE CONTRACTOR'S SURVEY UNDER SECTION 629:

☒ MONUMENTATION (SECTION 629)

☒ CONTROL

☒ RIGHT OF WAY

☐ REFERENCE THE SPECIFIED EXISTING MONUMENTS**: NOT APPLICABLE

☐ REPLACE THE SPECIFIED EXISTING MONUMENTS**: NOT APPLICABLE

☐ LOCATE MONUMENTS. IT IS ESTIMATED THAT XX HOURS ARE REQUIRED

☐ LAND CORNERS, ALIQUOT CORNERS

☒ EASEMENTS

NOTE: ALL 629 ITEMS SHALL INCLUDE ADEQUATE RESEARCH, CALCULATIONS AND ELEVATIONS OF EVIDENCE FOR MONUMENTS TO BE SET.

** A TABULATION OF SURVEY MONUMENTS MAY BE PROVIDED ON THE PLANS

GENERAL NOTES:

- UNLESS INDICATED OTHERWISE ON THIS SURVEY TABULATION SHEET, ALL SURVEY WORK AND STAKING INTERVALS SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE CDOT SURVEY MANUAL.
- ADEQUATE INFORMATION FOR ESTABLISHING LINES, GRADES AND LOCATIONS FOR ALL WORK ITEMS HAVE BEEN SPECIFIED ON THE PLANS. ANY ADDITIONAL INFORMATION REQUIRED TO STAKE THE ITEM OR ELEMENT SHALL BE GENERATED BY THE CONTRACTOR'S SURVEYOR.
- THE CONTRACTOR'S SURVEYOR SHALL PROVIDE AN ESTIMATE OF THE PERSON-HOURS NECESSARY TO COMPLETE THE WORK ITEMS INDICATED ON THIS SHEET. A COPY OF THIS SHEET, WITH THE ESTIMATED PERSON-HOURS WRITTEN ON THE BLANK LINE TO THE LEFT OF THE SPECIFIED ITEMS, SHALL BE SUBMITTED WITH THE SURVEY SCHEDULE TO THE ENGINEER ___ DAYS PRIOR TO THE PRE-SURVEY CONFERENCE - CONSTRUCTION SURVEY.
- STAKES AND MONUMENTS WHICH ARE DAMAGED OR DESTROYED BY THE PROGRESS OF CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.
- THE CONTRACTOR SHALL FURNISH AN AS STAKED (OR 3D DESIGN MODELING ELECTRONIC FILES) EARTHWORK QUANTITY REPORT TO THE ENGINEER PRIOR TO COMPLETION OF TWENTY PERCENT (20%) OF THE PLANNED EARTHWORK IN ANY PHASE AS PER THE CDOT SURVEY MANUAL. A PRINTED COPY OF THE AS STAKED (OR 3D DESIGN MODELING ELECTRONIC FILES) EARTHWORK DATA REPORT AND A COMPUTER DISK WITH THAT INFORMATION ON IT, IN THE SPECIFIED FORMAT SHALL BE SUBMITTED TO THE ENGINEER. THE CONTRACTOR SHALL FIELD VERIFY ORIGINAL GROUND CROSS SECTIONS AT A MAXIMUM 500 FEET INTERVALS.
- PRIOR TO BEGINNING WORK ON ANY SUBSEQUENT OPERATION, SUCH AS PLACING BASE COURSE OR PAVING, THE CONTRACTOR SHALL CERTIFY IN WRITING TO THE ENGINEER THAT THE FINAL GRADE IS WITHIN SPECIFIED TOLERANCE.
- THE CONTRACTOR'S SURVEYOR SHALL PERFORM ALL FIELD SURVEYING AND CALCULATIONS NECESSARY TO TIE PLAN GRADES INTO FIELD GRADES.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION STAKING ON THE PROJECT WITH ANY UTILITY WORK.
- FIELDBOOKS SHALL CONTAIN DAILY RECORDS OF POINTS SET AND OR MEASUREMENTS OBSERVED. THE INFORMATION RECORDED SHALL CONTAIN: DATE, CREW MEMBERS' NAMES, POINT NO., DESCRIPTION, STAKING INFORMATION AND SKETCHES. IF THE SURVEY INFORMATION IS COLLECTED ELECTRONICALLY, INFORMATION SHALL BE PROVIDED TO THE PROJECT ENGINEER IN A HARD COPY FORMAT THAT IS INTUITIVE, CLEAR AND RELATED TO THE SUPPLEMENTAL INFORMATION RECORDED IN THE FIELD BOOKS. ALL LINEAR SURVEYS, SUCH AS SLOPE STAKES AND BLUE TOPS, SHALL HAVE THE STATION AND OFFSET INFORMATION RELATED TO THE MEASURED INFORMATION. NON-LINEAR SURVEYS SUCH AS STRUCTURES STAKING SHALL SKETCHES RELATING ELECTRONIC INFORMATION, SUCH AS POINT NUMBERS, TO THE SKETCH.
- THE CONTRACTOR'S SURVEYOR SHALL SUBMIT THE FOLLOWING FIELDBOOKS TO THE ENGINEER:

☒ HORIZ. CONTROL (PRIMARY & SECONDARY)

☒ VERTICAL CONTROL (I.E. BENCHMARKS)

☐ PROPERTY PIN TIES

☐ HORIZONTAL ALIGNMENT

☐ GRADING

☐ SLOPE STAKING

☒ MINOR STRUCTURES

☐ MAJOR STRUCTURES

☐ ONE FIELDBOOK FOR EACH WORK CATEGORY SHOWN ON THIS SHEET

☐ OTHER FIELDBOOK(S): NOT APPLICABLE
- THE CONTRACTOR'S SURVEYOR SHALL SUBMIT THE FOLLOWING (PRIOR TO SURVEYING ON THE PROJECT) TO THE ENGINEER:

☐ ALL REQUIRED INSTRUMENT CALIBRATIONS

PRINT DATE: 11/14/2024 2:09 PM

FILE NAME: CO-9679-24-TABS-SURV.DWG

HORIZ. SCALE: VERT. SCALE:



5250 Hahns Peak Dr., Ste 220
Loveland, CO 80538
(970) 292-0049

Sheet Status

90% PLAN SET
NOT FOR CONSTRUCTION



NOT FOR CONSTRUCTION

NO. REVISIONS:

REVISED:

VOID:

5TH STREET BRIDGE IMPROVEMENTS
SURVEY TABULATION

DESIGNER: TLT

DETAILER: JAQ

SHEET SUBSET: SURVEY TAB

STRUCTURE NUMBERS

-

-

SHEET SUBSET: SVT 01 OF 01

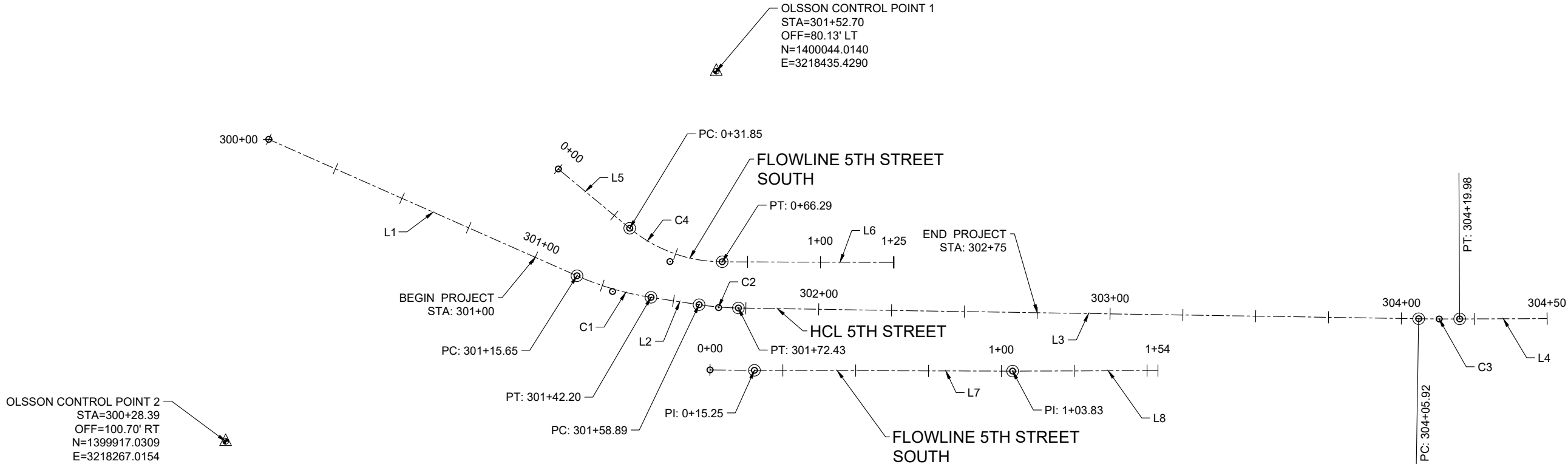
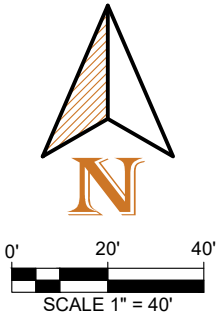
PROJECT ID: 24892

BRO M570-067

PROJECT #:BRO M570-067

08

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HCL 5TH STREET CULVERT									
Number		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L1		300+00.00 301+15.65	1400020.6059 1399973.7970	3218281.8177 3218387.5668	115.65'	S66° 07' 25.73"E			
C1	PC= PI= PT=	301+15.65 301+29.00 301+42.20	1399973.7970 1399968.3914 1399966.3800	3218387.5668 3218399.7788 3218412.9815	26.55'	S73° 43' 50.30"E	15.21°	13.35'	100.00'
L2		301+42.20 301+58.89	1399966.3800 1399963.8664	3218412.9815 3218429.4796	16.69'	S81° 20' 14.88"E			
C2	PC= PI= PT=	301+58.89 301+65.67 301+72.43	1399963.8664 1399962.8448 1399962.7381	3218429.4796 3218436.1852 3218442.9674	13.55'	S85° 13' 04.48"E	7.76°	6.78'	100.00'
L3		301+72.43 304+05.92	1399962.7381 1399959.0640	3218442.9674 3218676.4222	233.48'	S89° 05' 54.08"E			
C3	PC= PI= PT=	304+05.92 304+12.95 304+19.98	1399959.0640 1399958.9533 1399958.9839	3218676.4222 3218683.4541 3218690.4868	14.07'	S89° 40' 26.31"E	1.15°	7.03'	700.00'
L4		304+19.98 304+50.00	1399958.9839 1399959.1147	3218690.4868 3218720.5054	30.02'	N89° 45' 01.46"E			

FLOWLINE 5TH STREET CULVERT NORTH									
Number		STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING	DELTA	TANGENT	RADIUS
L5		0+00.00 0+31.85	1400010.4338 1399990.1014	3218381.1619 3218405.6778	31.85'	S50° 19' 44.82"E			
C4	PC= PI= PT=	0+31.85 0+49.79 0+66.29	1399990.1014 1399978.6517 1399978.5879	3218405.6778 3218419.4832 3218437.4186	34.44'	S70° 03' 45.33"E	39.47°	17.94'	50.00'
L6		0+66.29 1+25.27	1399978.5879 1399978.3780	3218437.4186 3218496.3988	58.98'	S89° 47' 45.84"E			

FLOWLINE 5TH STREET CULVERT SOUTH					
Number	STATION	NORTHING	EASTING	LENGTH	LINE/CHORD BEARING
L8	1+03.83 1+53.74	1399941.0863 1399941.2583	3218537.0684 3218586.9733	49.91'	N89° 48' 08.92"E
L7	0+15.25 1+03.83	1399941.3394 1399941.0863	3218448.4836 3218537.0684	88.59'	S89° 50' 10.69"E

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PRINT DATE: 11/14/2024 2:13 PM

FILE NAME: CO-9679-24-GEOM.DWG

HORIZ. SCALE: 1" = 40' VERT. SCALE:

 5250 Hahns Peak Dr., Ste 220
Loveland, CO 80538
(970) 292-0049

Sheet Status

90% PLAN SET
NOT FOR CONSTRUCTION



NOT FOR CONSTRUCTION

NO. REVISIONS:

REVISED:

VOID:

5TH STREET BRIDGE IMPROVEMENTS
GEOMETRIC CONTROL

DESIGNER: SPF
DETAILER: SPF
SHEET SUBSET: GEOMETRY

STRUCTURE NUMBERS
-
-

SHEET SUBSET: GEOM 01 OF 01

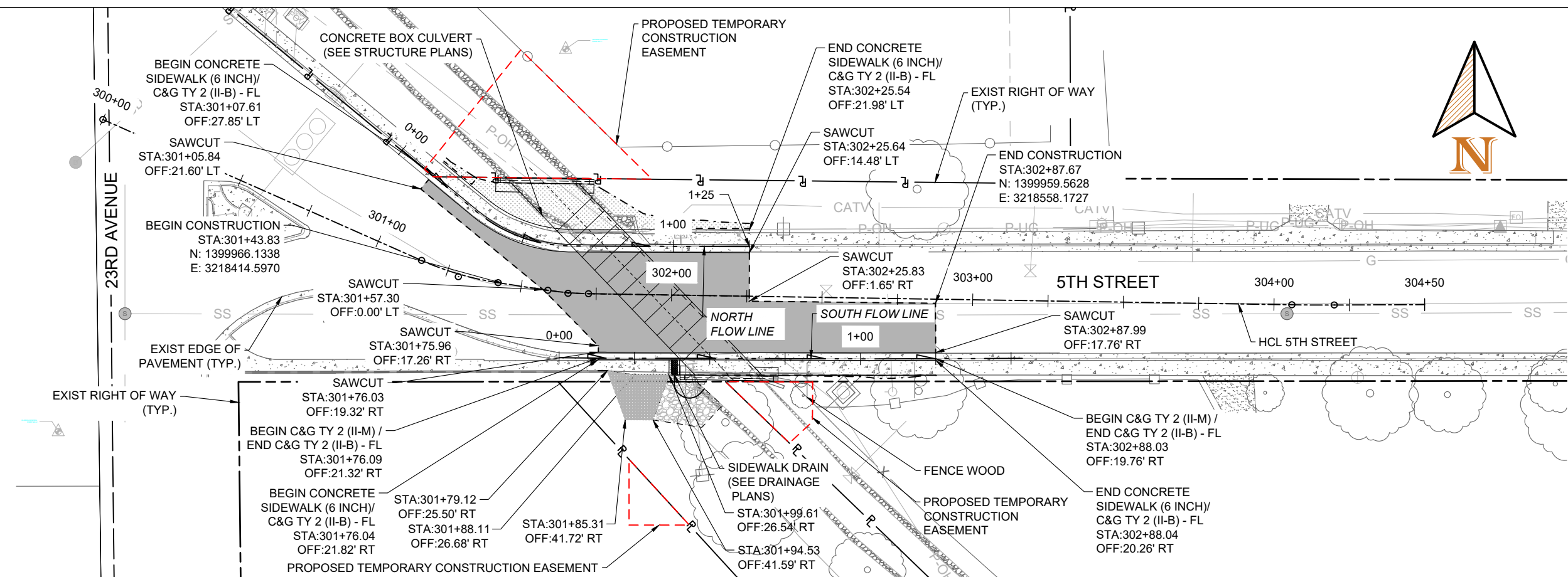
PROJECT ID: 24892

BRO M570-067

PROJECT #BRO M570-067

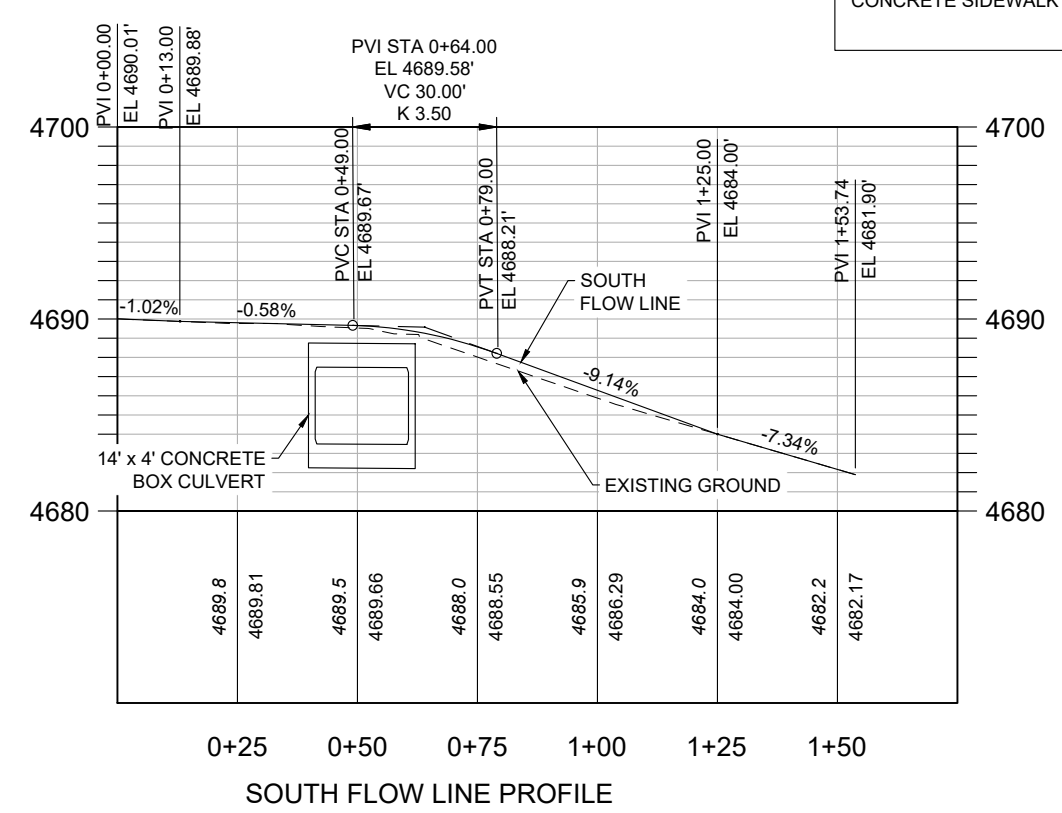
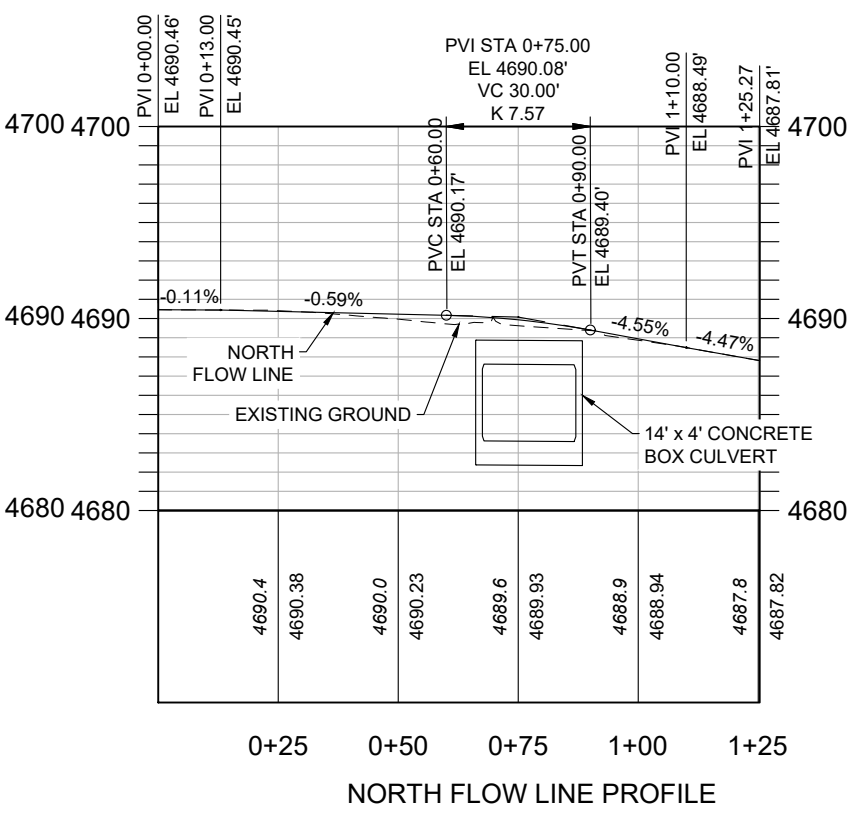
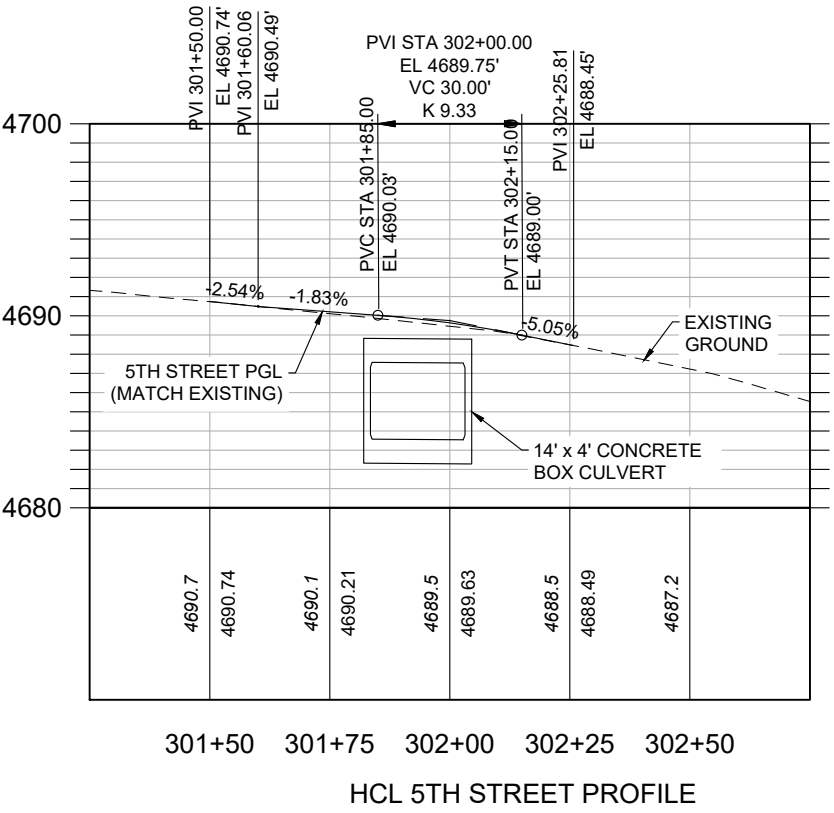
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- NOTES:**
1. CONTRACTOR SHALL MAINTAIN ACCESS TO PROPERTY OWNERS AT ALL TIMES.
 2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES.
 3. SEE DRAINAGE PLANS FOR ADDITIONAL INFORMATION.
 4. SEE SIGNING AND STRIPING PLANS FOR ADDITIONAL INFORMATION.
 5. SEE STRUCTURE PLANS FOR ADDITIONAL INFORMATION.

LEGEND	
TOPSOIL (ONSITE) & SEEDING (NATIVE) DRILL	
AGGREGATE BASE COURSE (CLASS 6)	
PROPOSED PAVEMENT (SEE TYPICAL SECTIONS)	
RIPRAP (6 INCH)	
CONCRETE SIDEWALK (6 INCH)	



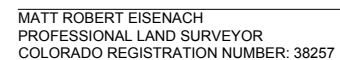
PRINT DATE: 11/14/2024 2:23 PM		Sheet Status		NOT FOR CONSTRUCTION		5TH STREET BRIDGE IMPROVEMENTS ROADWAY PLAN AND PROFILE				PROJECT ID: 24892		
FILE NAME: CO-9679-24-RDPP.DWG				NO. REVISIONS:						BRO M570-067		
HORIZ. SCALE: 1" = 40' VERT. SCALE: 1" = 10'		90% PLAN SET NOT FOR CONSTRUCTION		REVISED:		DESIGNER: SPF		STRUCTURE		PROJECT #:BRO M570-067		
 5250 Hahns Peak Dr., Ste 220 Loveland, CO 80538 (970) 292-0049				DETAILER: SPF		NUMBERS		-				
				VOID:		SHEET SUBSET: ROADWAY		SHEET SUBSET: ROADWAY		11		

PART OF THE WEST HALF OF SECTION 6, TOWNSHIP 5 NORTH, RANGE 65 WEST OF THE 6TH PRINCIPAL MERIDIAN,
CITY OF GREELEY, COUNTY OF WELD, STATE OF COLORADO



SURVEY CONTROL SHEET	
GREELEY BOX CULVERT	
W 1/2, SEC. 6, T.5N., R.65W., 6TH P.M.	
CITY OF GREELEY, COUNTY OF WELD	2024

SHEET
of 1



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DATE: Nov 04, 2024 12:07pm USER: meisenach

GENERAL NOTES

ALL WORK SHALL BE IN ACCORDANCE WITH CDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2023 EDITION; PROJECT SPECIAL PROVISIONS, LATEST M&S STANDARDS; CITY OF GREELEY STANDARDS AND THE PROJECT CONTRACT BID DOCUMENTS.

STATIONS, ELEVATIONS, AND DIMENSIONS CONTAINED IN THESE PLANS ARE CALCULATED FROM A RECENT FIELD SURVEY. THE CONTRACTOR SHALL VERIFY ALL DEPENDENT DIMENSIONS IN THE FIELD BEFORE ORDERING OR FABRICATING ANY MATERIAL.

STRUCTURE EXCAVATION AND BACKFILL SHALL BE IN ACCORDANCE WITH M-206-1 FOR CONCRETE BOX CULVERT AND CAST-IN-PLACE RETAINING WALLS.

ALL LONGITUDINAL AND TRANSVERSE DIMENSIONS ARE MEASURED HORIZONTALLY AND INCLUDE NO CORRECTION FOR GRADE.

FOR STRUCTURE NUMBER INSTALLATION, SEE STANDARD S-614-12.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION.

ALL TRANSVERSE REINFORCING SHALL BE NORMAL TO THE CENTERLINE OF THE BOX.

ALL DIMENSIONS ARE PERPENDICULAR TO THE CENTERLINE OF THE BOX.

ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFERED 3/4 INCH.

WINGWALLS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD M-601-20.

BACKFILL SHALL NOT BEGIN UNTILL TOP SLAB HAS REACHED THE DESIGN STRENGTH F'C.

ALL CONSTRUCTION JOINTS SHALL BE THOROUGHLY CLEANED BEFORE FRESH CONCRETE IS PLACED.

ALL CONSTRUCTION JOINTS NOT SHOWN ON THE PLANS SHALL BE APPROVED BY THE ENGINEER.

GRADE 60 REINFORCING STEEL IS REQUIRED.

EXPANSION JOINT MATERIAL SHALL MEET AASHTO SPECIFICATION M213.

ALL EXPOSED CONCRETE SURFACES SHALL RECEIVE A CLASS 1 FINAL FINISH TO ONE FOOT BELOW THE GROUND LINE.

THE INFORMATION SHOWN ON THESE PLANS CONCERNING THE TYPE AND LOCATION OF UNDERGROUND UTILITIES IS NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO AT 811 (1-800-922-1987) AT LEAST 3 DAYS (2 DAYS NOT INCLUDING THE DAY OF NOTIFICATION) PRIOR TO ANY EXCAVATION OR OTHER EARTHWORK.



INDEX OF DRAWINGS

- 1. GENERAL INFORMATION SUMMARY OF QUANTITIES
- 2. GENERAL LAYOUT
- 3. GENERAL LAYOUT
- 4. ENGINEERING GEOLOGY
- 5. TYPICAL SECTIONS AND DETAILS
- 6. TYPICAL SECTIONS AND DETAILS
- 7. WINGWALL SECTION AND DETAILS
- 8. BRIDGE RAIL TYPE 10M (SPECIAL)

SUMMARY OF QUANTITIES

ITEM NO.	CONTRACT ITEM DESCRIPTION	UNIT	TOTAL
202-00400	REMOVAL OF BRIDGE	EACH	1
206-00000	STRUCTURE EXCAVATION	CY	155
206-00100	STRUCTURE BACKFILL (CLASS 1)	CY	147
601-03030	CONCRETE CLASS D (BOX CULVERT)	CY	51
601-03050	CONCRETE CLASS D (WALL)	CY	22
602-00000	REINFORCING STEEL	LB	18,083
603-71606	14x4 FOOT CONCRETE BOX CULVERT (PRECAST)	LF	92
606-10200	BRIDGE RAIL TYPE 10M (SPECIAL)	LF	65
515-00120	WATERPROOFING (MEMBRANE)	SY	294

DESIGN DATA

AASHTO, LRFD 9TH EDITION, 2020, WITH CURRENT INTERIM

DESIGN METHOD: LOAD AND RESISTANCE FACTOR DESIGN

REINFORCED CONCRETE: CLASS D CONCRETE (BOX CULVERT):
REINFORCING STEEL:

LIVE LOAD CBC: HL-93 (DESIGN TRUCK OR TANDEM, AND DESIGN LOAD)

DEAD LOAD CBC: 125 LBS. PER CU. FT. FOR SOILS
146.67 LBS. PER CU. FT. FOR ASPHALT

DEAD LOAD CASE 1: VERTICAL EARTH LOAD = 125 PCF
HORIZONTAL EARTH LOAD = 30 PCF
DEAD LOAD CASE 2: VERTICAL EARTH LOAD = 125 PCF
HORIZONTAL EARTH LOAD = 60 PCF

REINFORCED CONCRETE:
CLASS D CONCRETE (BOX CULVERT): f'c = 4,500 psi
CLASS D CONCRETE (WALL): f'c = 4,500 psi
REINFORCING STEEL: fy = 60,000 psi

STRUCTURAL STEEL
STRUCTURAL STEEL BEAMS, CHANNELS, ANGLES & PLATES: ASTM A588, fy = 50 KSI;
STRUCTURAL STEEL TUBE & PIPES: ASTM A847, fy = 50 KSI
STRUCTURAL STEEL ANCHOR BOLTS: ASTM F 1554 Gr. 55

EARTH PRESSURE:
NOMINAL BEARING PRESSURE FOR SHALLOW FOUNDATIONS (AFTER GROUND IMPROVEMENT) = 3060 PSF
RESISTANCE FACTOR = 0.45

LIVE LOAD SURCHARGE = 2'

BRIDGE REMOVAL NOTES:

- A. THE REMOVAL OF BRIDGE ITEM INCLUDES COMPLETE BRIDGE REMOVAL, INCLUDING WINGWALLS, FOOTINGS AND SLOPE AND DITCH PAVING TO THE LIMITS SHOWN IN THE REMOVAL PLANS.

FOUNDATION NOTES:

FOUNDATION DESIGN OF THE CULVERT, WINGWALLS AND RETAINING WALLS IS BASED ON A GEOTECHNICAL INVESTIGATION PERFORMED BY OLSSON (024-0283) DATED AUGUST 2024. THE CONTRACTOR SHALL BECOME FAMILIAR WITH THE REQUIREMENTS OF THIS REPORT.

SHALLOW FOUNDATIONS SHALL BEAR ON A MINIMUM OF 12 INCHES OF PROPERLY COMPACTED STRUCTURAL FILL TO PROVIDE A UNIFORM BEARING SURFACE FOR THE CULVERT STRUCTURE. THIS STRUCTURAL FILL THICKNESS CAN BE ACHIEVED THROUGH A COMBINATION OF SCARIFICATION AND RECOMPACTION OF SITE SOILS OR NEW STRUCTURAL FILL PLACED TO RAISE SITE GRADES. SOFT ALLUVIAL SEDIMENT COULD BE ENCOUNTERED IN CONSTRUCTION AREAS. IF ENCOUNTERED, SOFT, LOOSE, OR UNSUITABLE SOILS SHOULD BE OVER-EXCAVATED AND REPLACED WITH STRUCTURAL FILL. STRUCTURAL FILL SOILS SHOULD EXTEND A MINIMUM OF 12 INCHES BEYOND THE EDGE OF EACH FOOTING AND BE MOISTURE-CONDITIONED AND RECOMPACTED. WHERE OVER-EXCAVATION IS REQUIRED, STRUCTURAL FILL SHOULD EXTEND LATERALLY 1 FOOT BEYOND THE EDGE OF FOUNDATIONS FOR EVERY FOOT OF OVER-EXCAVATION DEPTH.

WATER MAY BE PRESENT IN THE DITCH AT THE TIME OF CONSTRUCTION AND TEMPORARY DIVERSION MEASURES MAY BE REQUIRED TO PREVENT SURFACE WATER IMPACTING EXCAVATIONS. THE CONTRACTOR(S) SHOULD BE PREPARED TO DEWATER EXCAVATIONS IF GROUNDWATER OR SURFACE WATER IS ENCOUNTERED.

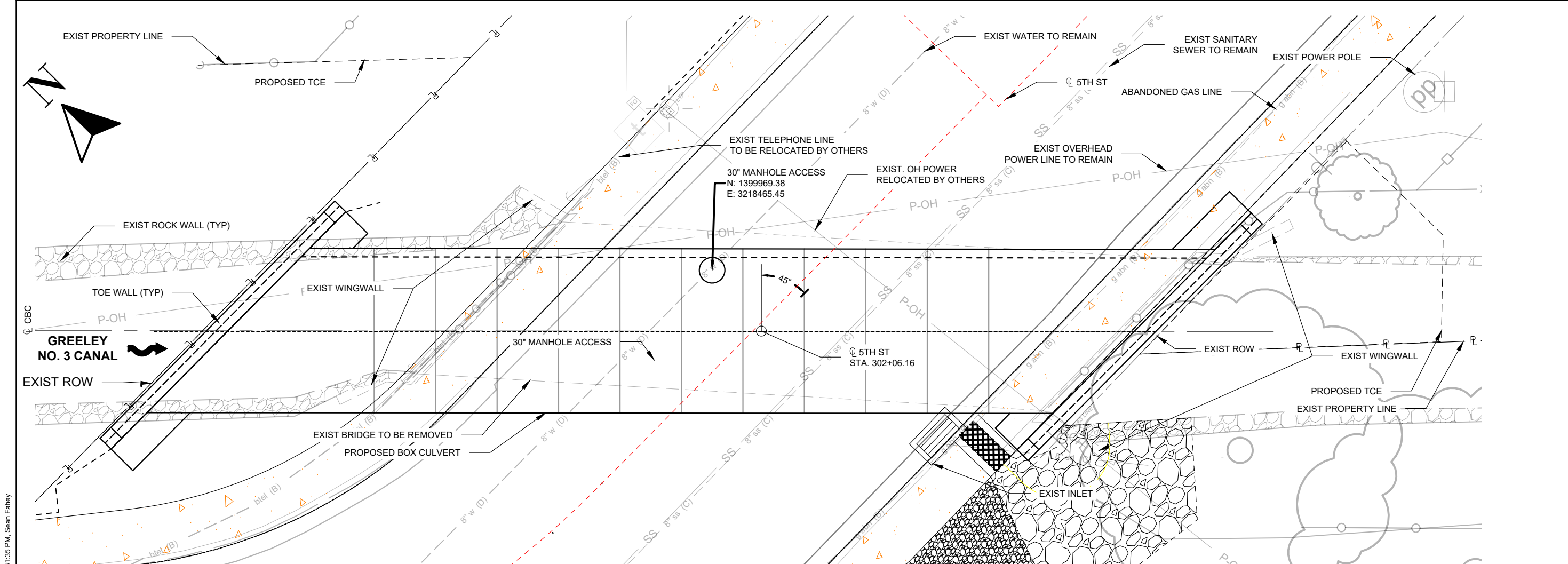
THE GEOTECHNICAL ENGINEER SHALL INSPECT SUBGRADE PRIOR TO PLACING FOUNDATION CONCRETE.

THE FOLLOWING TABLE GIVES THE MINIMUM CLASS B LAP SPLICE LENGTH FOR EPOXY COATED REINFORCING BARS PLACED IN ACCORDANCE WITH SUBSECTION 602.06. THESE SPLICE LENGTHS SHALL BE INCREASED BY 25% FOR BARS SPACED AT LESS THAN 6" ON CENTER.

BAR SIZE	#4	#5	#6	#7	#8	#9	#10	#11
SPLICE LENGTH FOR CLASS D CONCRETE	1'-3"	1'-7"	2'-5"	2'-10"	3'-8"	4'-8"	5'-11"	7'-3"
WHEN THE CONTRACTOR ELECTS TO SUBSTITUTE EPOXY COATED REINFORCEMENT FOR BLACK REINFORCING BARS, THE MINIMUM LAP SPLICE SHALL BE AS DESCRIBED ABOVE. THE FOLLOWING TABLE GIVES THE MINIMUM LAP SPLICE LENGTH FOR BLACK REINFORCING BARS PLACED IN ACCORDANCE WITH SUBSECTION 602.06. THESE SPLICE LENGTHS SHALL BE INCREASED BY 25% FOR BARS SPACED AT LESS THAN 6" ON CENTER.								
BAR SIZE	#4	#5	#6	#7	#8	#9	#10	#11
SPLICE LENGTH FOR CLASS D CONCRETE	1'-11"	1'-4"	1'-7"	1'-11"	2'-6"	3'-1"	3'-11"	4'-10"

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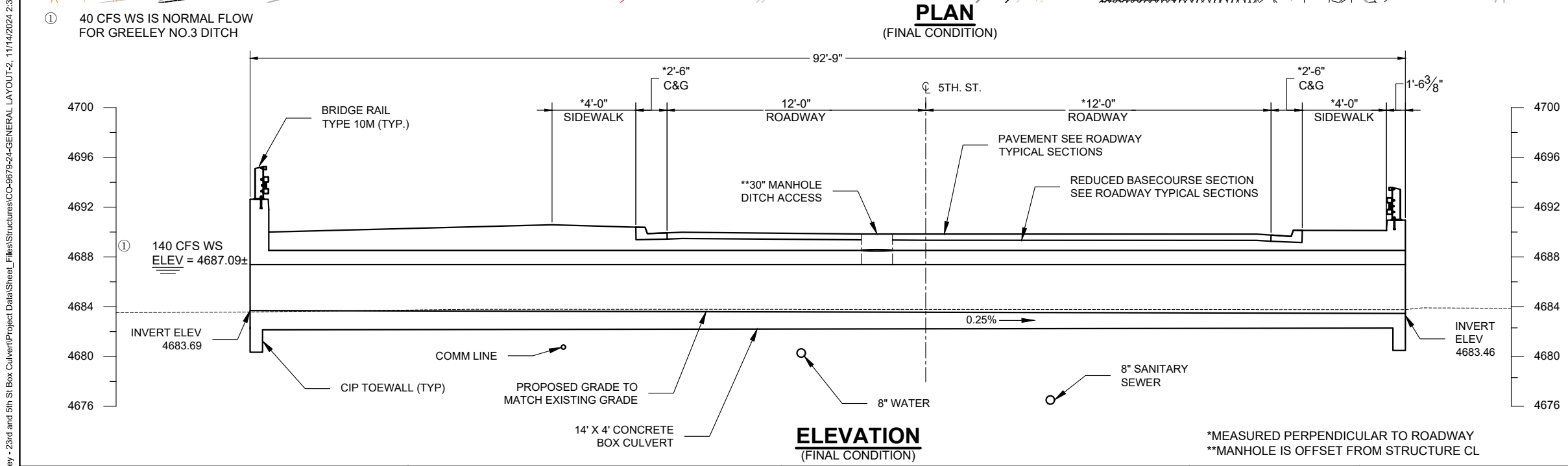
PRINT DATE: 11/14/2024 2:25 PM		Sheet Status	City of Greeley Colorado	NOT FOR CONSTRUCTION		5TH STREET BRIDGE IMPROVEMENTS				CO-9679-24	
FILE NAME: CO-9679-24-GENERAL INFO.DWG				NO. REVISIONS:		GENERAL INFORMATION SUMMARY OF QUANTITIES					
HORIZ. SCALE: VERT. SCALE:				REVISED:		DESIGNER: MM		STRUCTURE NUMBERS			-
Horrocks. 5250 Hahns Peak Dr., Ste 220 Loveland, CO 80538 (970) 292-0049		50% PLAN SET NOT FOR CONSTRUCTION		VOID:		DETAILER: EN		-	13		
				SHEET SUBSET: TITL		SHEET SUBSET: TITL - 01 OF 01					



PLAN
(FINAL CONDITION)

NOTES

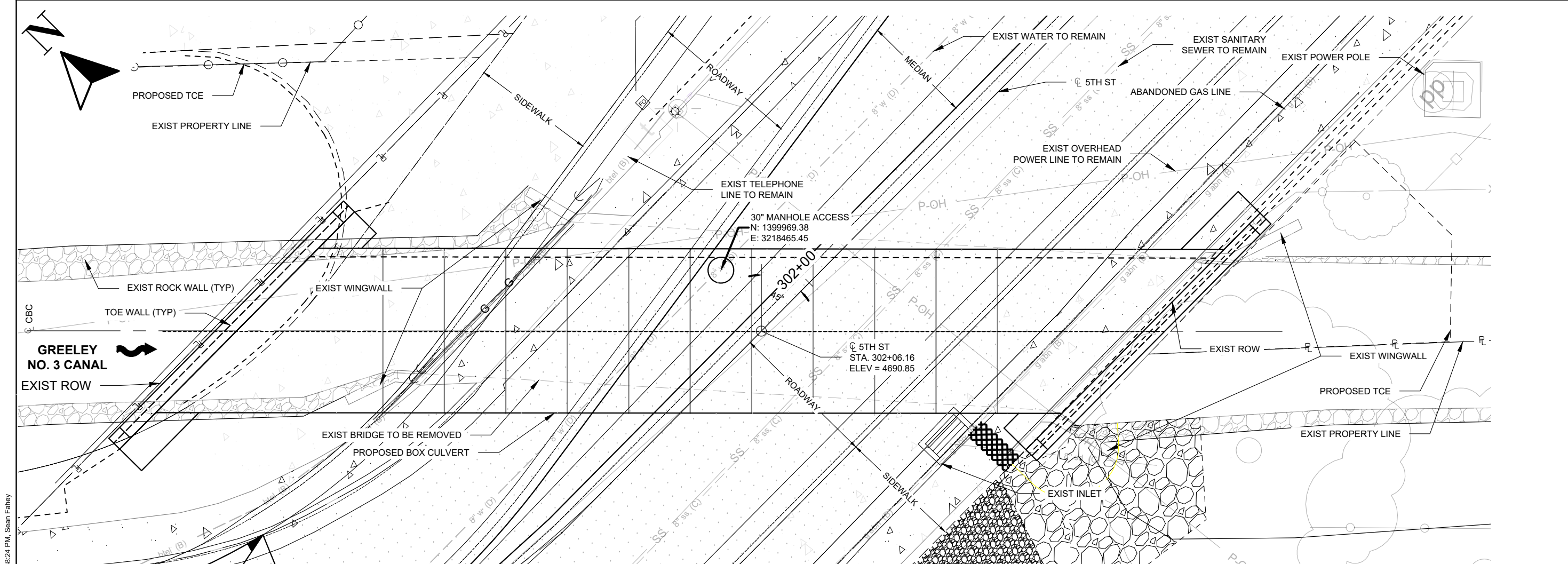
1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY THE INVERT ELEVATION OF THE 8" UNLINED VCP SANITARY SEWER AND LINE THE VCP TO AVOID DAMAGE TO THE MAIN LINE.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY THE INVERT ELEVATION OF THE 8" WATER MAIN. IT MAY NEED TO BE LOWERED DUE TO THE CONSTRUCTION OF THE BOX CULVERT AND REPLACED FROM CAST IRON TO PVC.
3. PRIOR TO CONSTRUCTION, CONTRACTOR TO COORDINATE WITH THE DITCH COMPANY AND THE PRECAST BOX FABRICATOR FOR MANHOLE DITCH ACCESS INSTALLATION.



ELEVATION
(FINAL CONDITION)

*MEASURED PERPENDICULAR TO ROADWAY
**MANHOLE IS OFFSET FROM STRUCTURE CL

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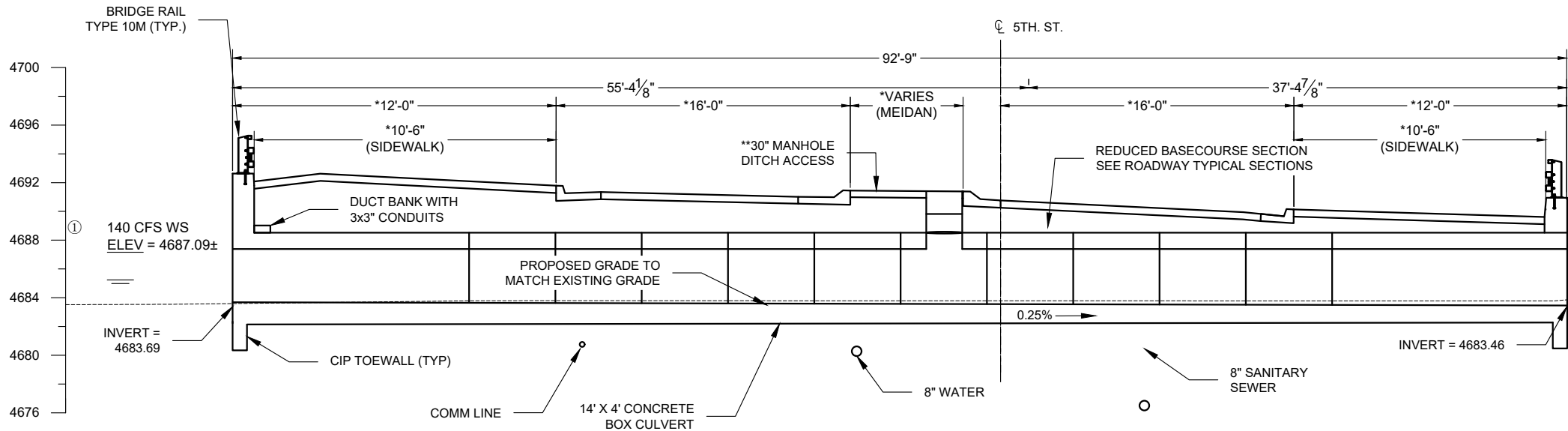


PLAN
(ULTIMATE CONFIGURATION)

NOTES

1. ALL ULTIMATE CONFIGURATION WORK WILL BE COMPLETED BY OTHERS AND IS ONLY SHOWN HERE FOR REFERENCE.
2. ELEVATION SHOWN BELOW IS TAKEN ALONG THE CENTERLINE OF THE CULVERT, NOT PERPENDICULAR TO THE ROAD.
3. ULTIMATE CROSS SLOPE DRAINS TO THE OUTSIDE GUTTER.
4. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY THE INVERT ELEVATION OF THE 8" UNLINED VCP SANITARY SEWER AND LINE THE VCP TO AVOID DAMAGE TO THE MAIN LINE.
5. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY THE INVERT ELEVATION OF THE 8" WATER MAIN. IT MAY NEED TO BE LOWERED DUE TO THE CONSTRUCTION OF THE BOX CULVERT AND REPLACED FROM CAST IRON TO PVC.
6. PRIOR TO CONSTRUCTION, CONTRACTOR TO COORDINATE WITH THE DITCH COMPANY AND THE PRECAST BOX FABRICATOR FOR MANHOLE DITCH ACCESS INSTALLATION.

① 40 CFS WS IS NORMAL FLOW FOR GREELEY NO.3 DITCH



ELEVATION
(ULTIMATE CONFIGURATION)

*MEASURED PERPENDICULAR TO ROADWAY
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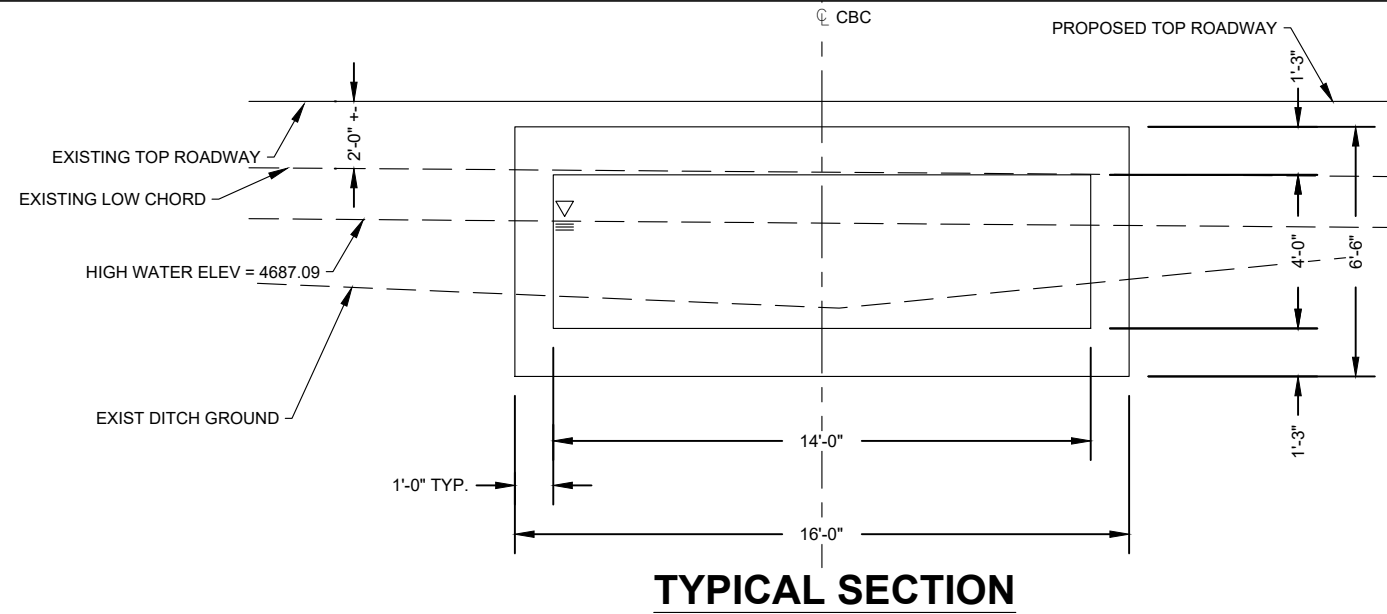
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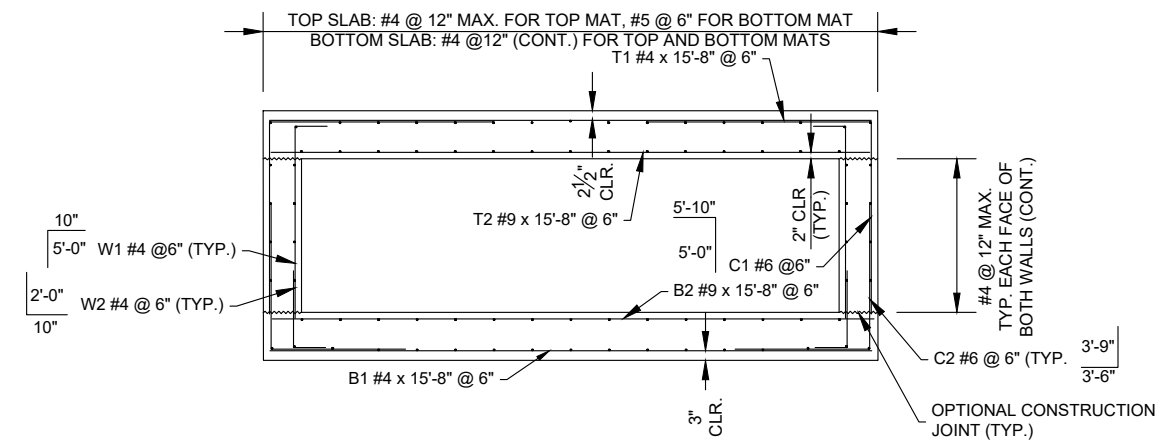
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PROJECT NAME 5th Street Culvert Replacement				CLIENT Horrocks, LLC								
PROJECT NUMBER 024-02843				LOCATION Greeley, Colorado								
ELEVATION (ft)	☒ Split Spoon ☒ Modified California Sampler		GRAPHIC LOG	DEPTH (ft)	SAMPLE TYPE NUMBER	CLASSIFICATION (USCS)	BLOWS/6" N-VALUE	UNC. STR. (ksi)	MOISTURE (%)	DRY DENSITY (pcf)	LL/PI (%)	ADDITIONAL DATA/ REMARKS
	MATERIAL DESCRIPTION											
	LAT: 40.42876 LONG: -104.71523 APPROX. SURFACE ELEV. (ft): 4687											
	ROOT ZONE											
	3 inch root zone											
4685	POORLY GRADED SAND WITH GRAVEL											
	medium dense, fine to coarse grained, light brown, moist, with fine to coarse subrounded gravel (SP) [Fill]											
	SILTY SAND WITH GRAVEL											
4680	very dense, fine to coarse grained, light brown, dry, coarse subrounded to rounded gravel (SM) [Native]								1.8			P-200 = 13.3%
	grades to with apparent cobble											
4675												
	LEAN CLAY											
	very stiff, grayish brown, moist, with oxidation staining (CL)								20.8			
4670												
	WEATHERED SANDSTONE											
	weakly cemented, fine to medium grained, light yellowish brown, moist to wet, trace oxidation staining											
4665	grades to trace clay lenses											
4660												
								</				

olsson		BOREHOLE REPORT NO. B-2			Sheet 1 of 1							
PROJECT NAME 5th Street Culvert Replacement				CLIENT Horrocks, LLC								
PROJECT NUMBER 024-02843				LOCATION Greeley, Colorado								
ELEVATION (ft)	☒ Modified California Sampler ☒ Split Spoon		GRAPHIC LOG	DEPTH (ft)	SAMPLE TYPE NUMBER	CLASSIFICATION (USCS)	BLOWS/6" N-VALUE	UNC STR. (ksf)	MOISTURE (%)	DRY DENSITY (pcf)	LL/PI (%)	ADDITIONAL DATA/REMARKS
	MATERIAL DESCRIPTION											
	LAT: 40.42861 LONG: -104.7154 APPROX. SURFACE ELEV. (ft): 4690											
4690	ASPHALT			0								
	5 inches of asphalt				MC 1		6-6		10.2			
	POORLY GRADED SAND											
	medium dense, fine to coarse grained, light brown, slightly moist, trace fine subrounded gravel, trace clay (SP) [Fill]			5	SS 2		4-10-11 N=21		7.9			P-200 = 20.9%
4685	SILTY SAND											
	loose to medium dense, fine to coarse grained, light brown, dry, trace fine to coarse subangular to subrounded gravel (SM) [Native]				MC 3		4-5		4.3	93.3		
4680	WELL-GRADED GRAVEL WITH SILT AND SAND			10	SS 4		11-11-11 N=22		1.7			P-200 = 6.8%
	medium dense to very dense, fine and coarse grained, light brown to light gray, dry to wet, subangular to rounded, trace clay (GW-GM)											
4675	grades to trace apparent cobble			15	MC 5		9-22		8.5	122.9		
4670				20	SS 6		20-21-34 N=55					
4665	WEATHERED SANDSTONE			25	MC 7		50/5"					
	weakly cemented, fine to medium grained, brown, moist to wet, trace oxidation staining, trace clay											
	grades to without clay, with oxidation banding				SS 8		22-50/4"					
	BASE OF BORING AT 29.8 FEET											
WATER LEVEL OBSERVATIONS				OLSSON, INC. 5180 SMITH ROAD, UNIT F DENVER, COLORADO 80216				STARTED: 7/11/24		FINISHED: 7/11/24		
WD	15.0 ft		DRILL CO.: OLSSON					DRILL RIG: CME 45B				
IAD	14.0 ft		DRILLER: C. WALPOLE					LOGGED BY: A. KARRASCH				
AD	Not Performed		METHOD: CONTINUOUS FLIGHT AUGER									

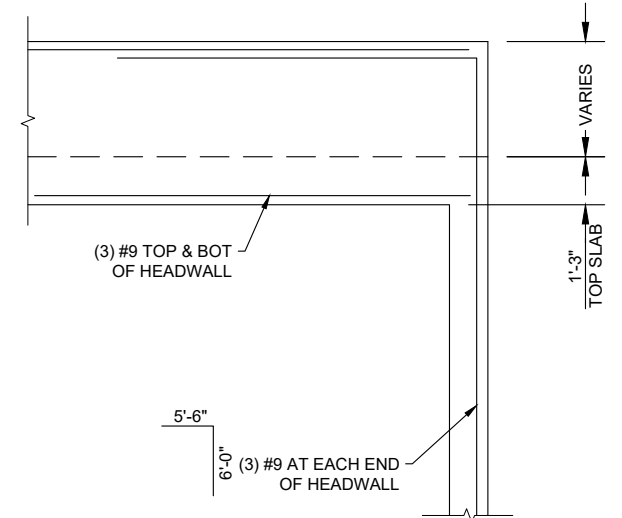
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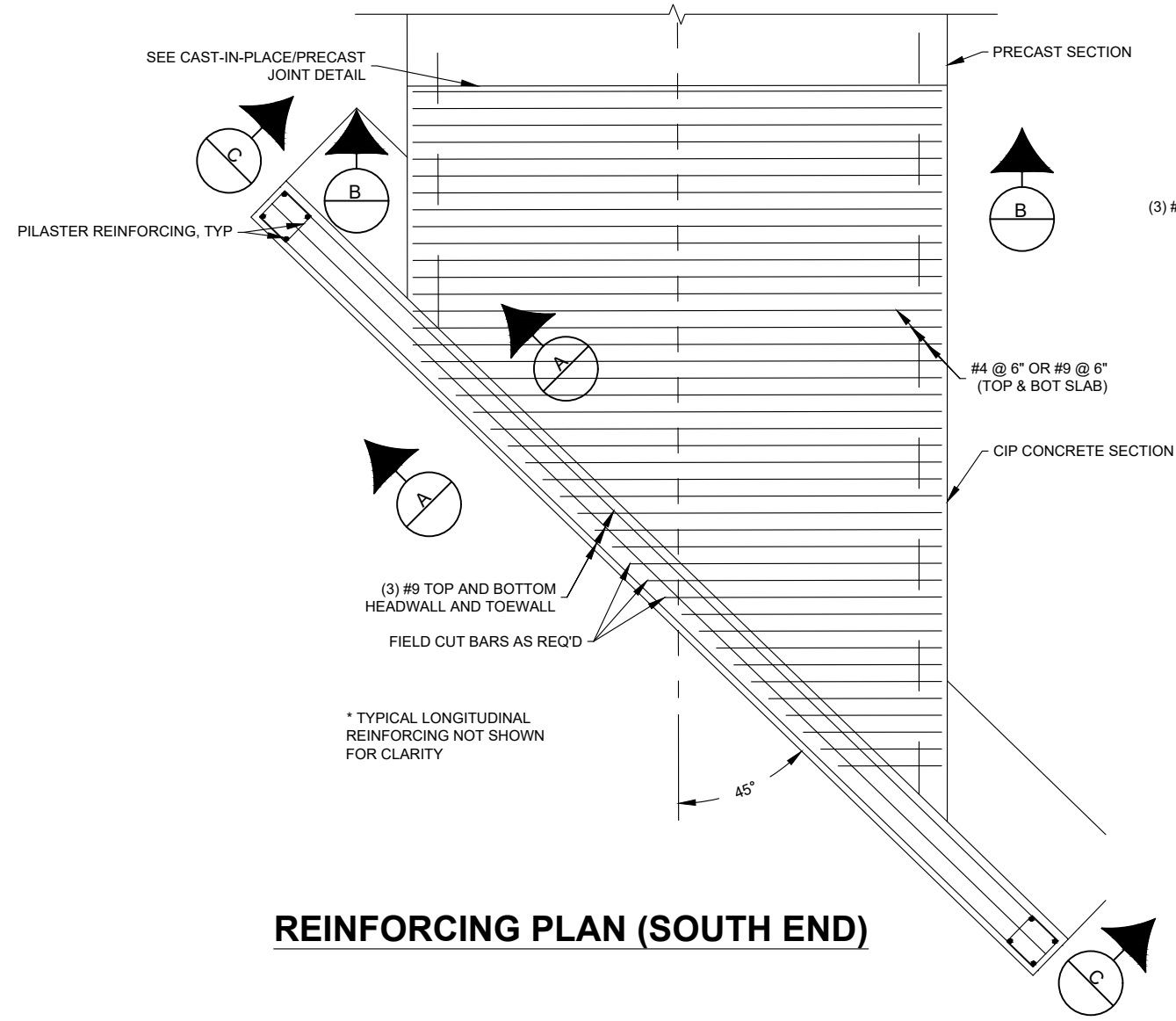
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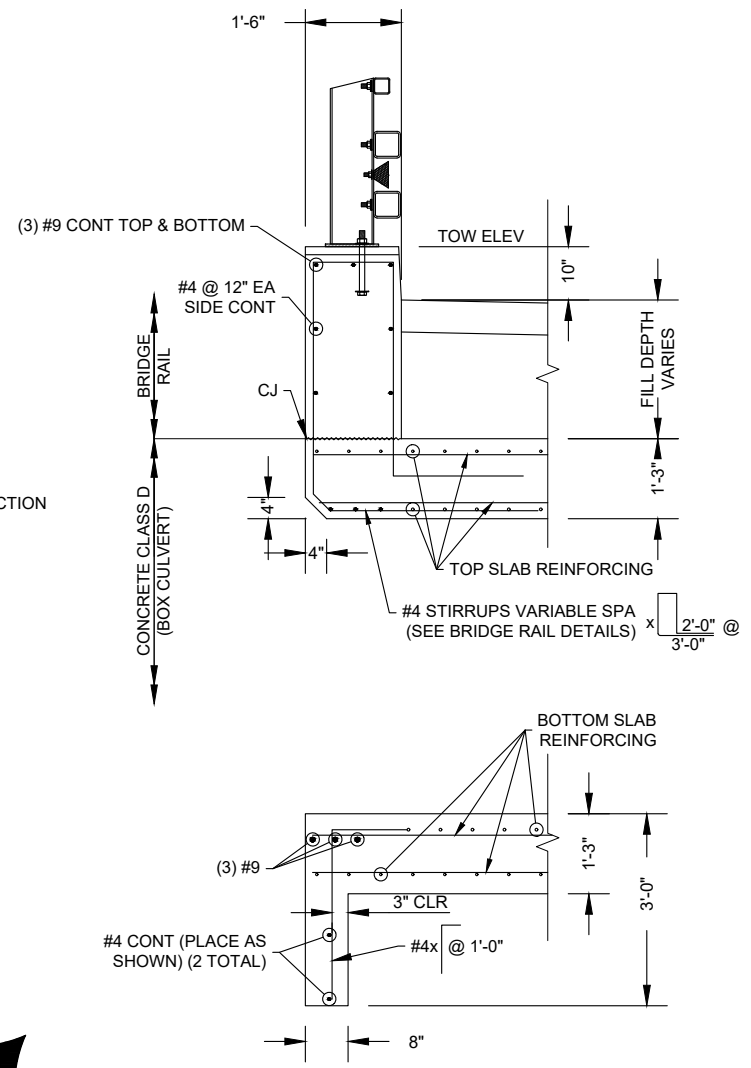
SECTION B



SECTION C

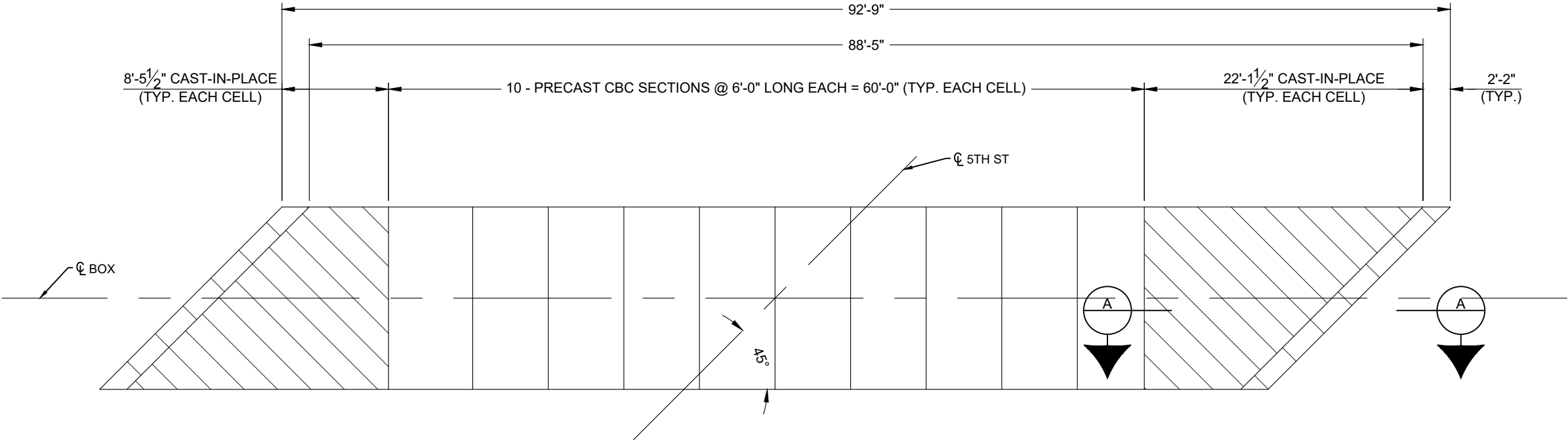


REINFORCING PLAN (SOUTH END)

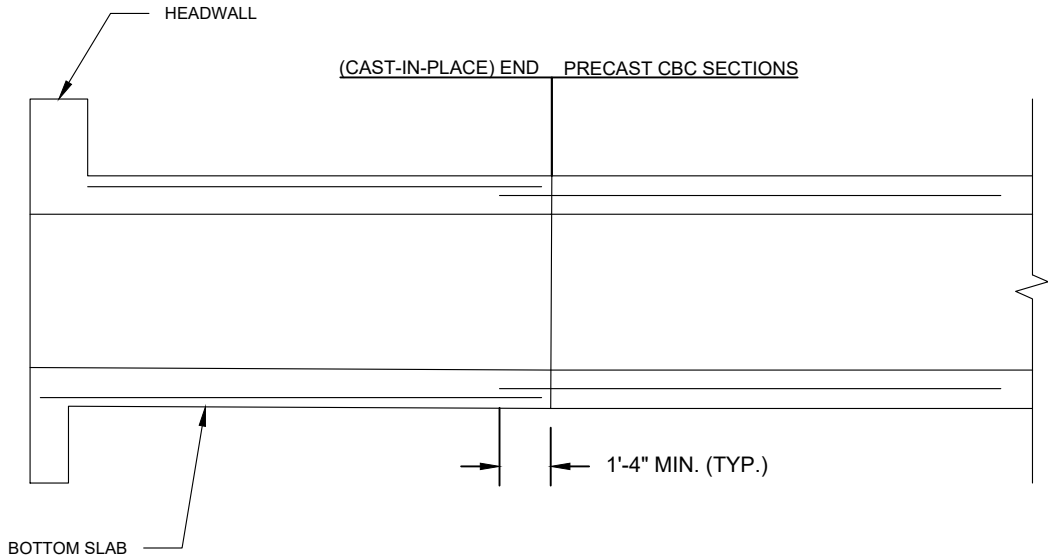


SECTION A

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PLAN



SECTION

(REINFORCING NOT SHOWN FOR CLARITY)



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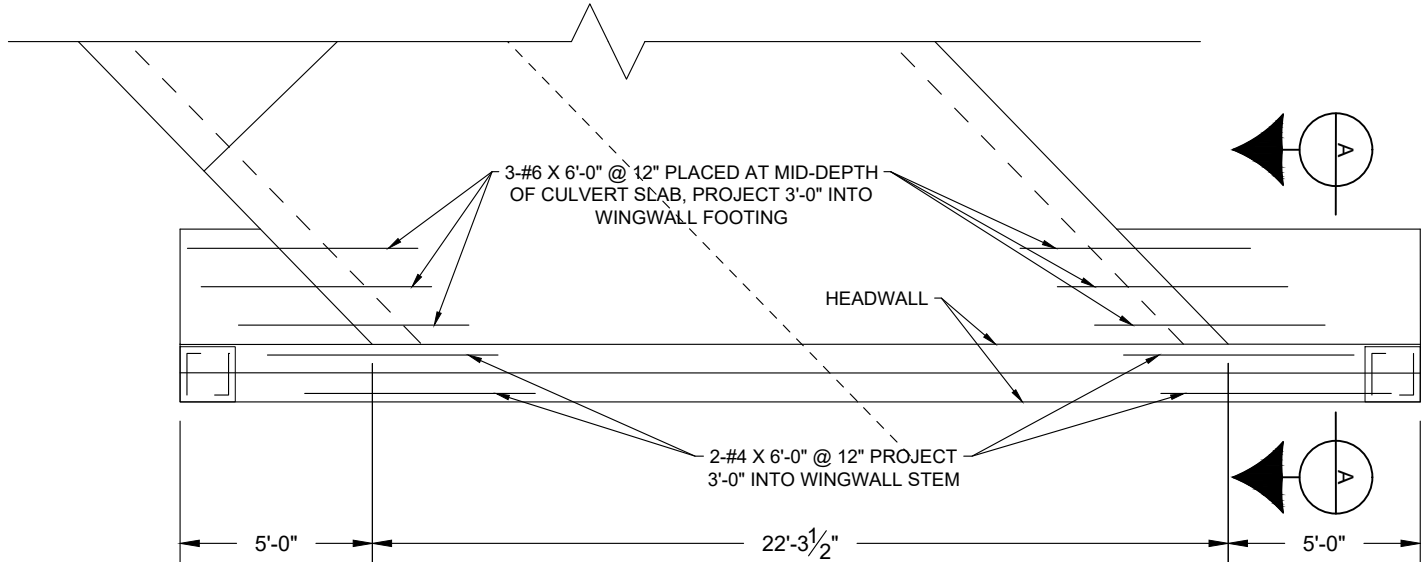
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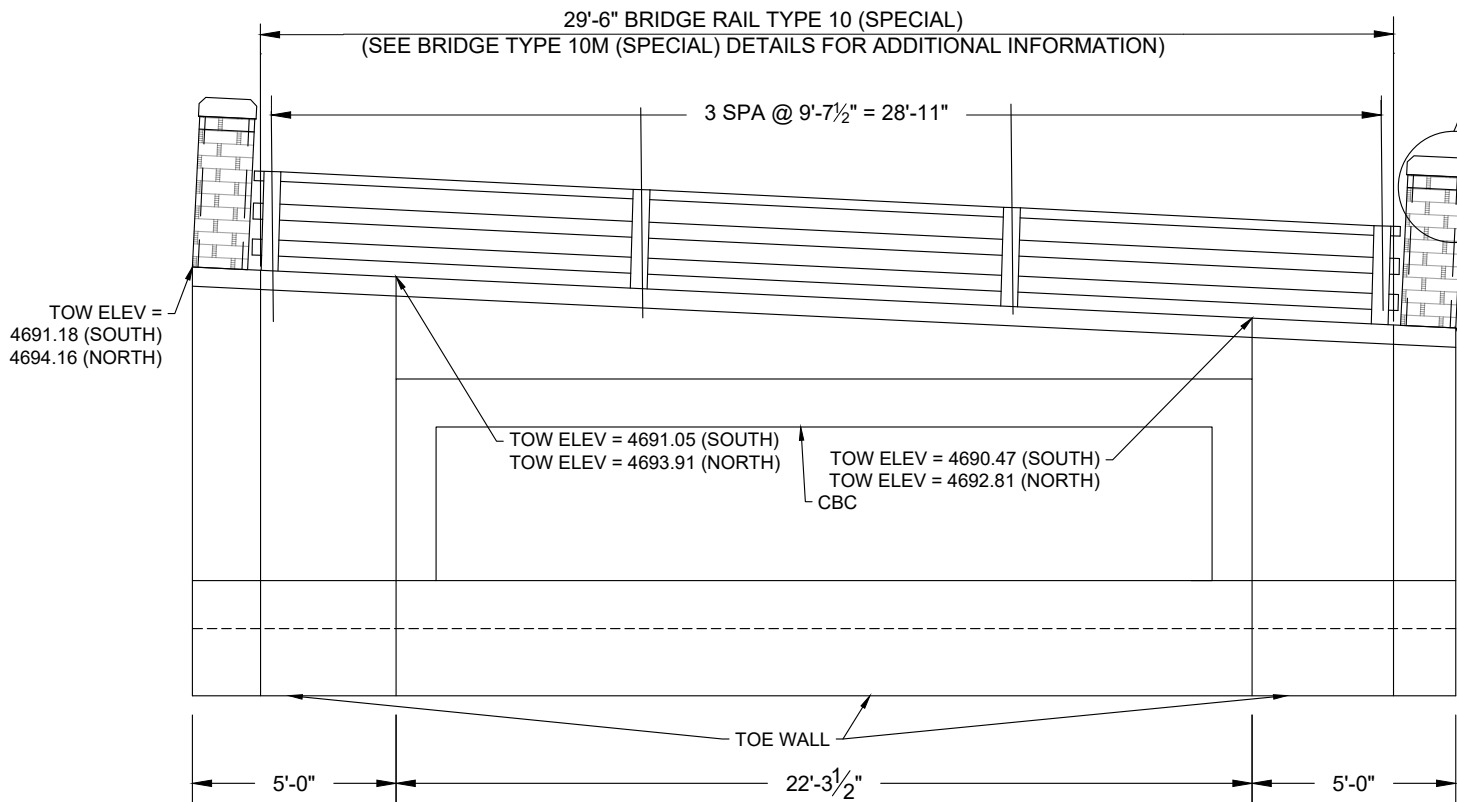
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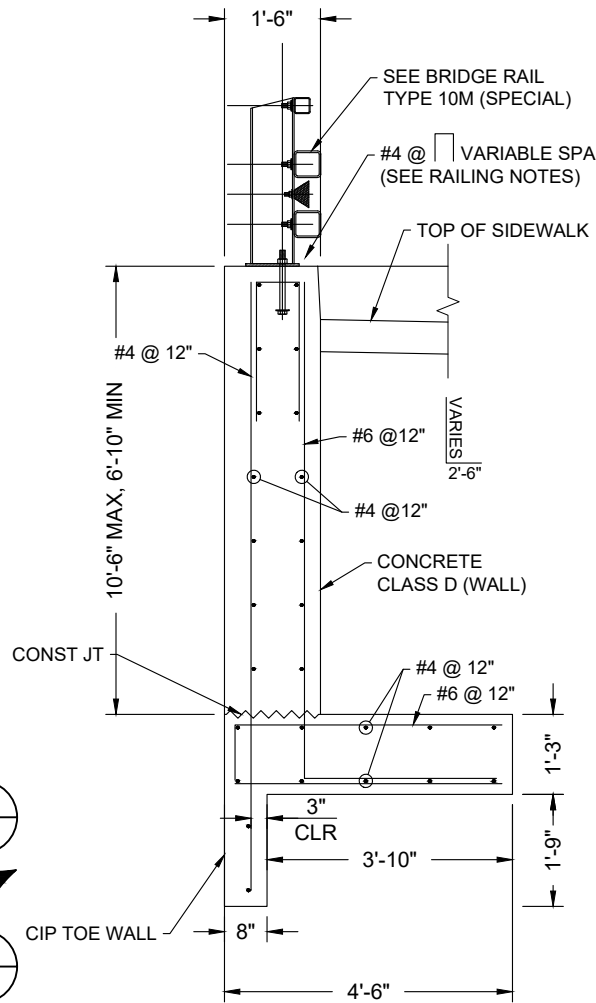
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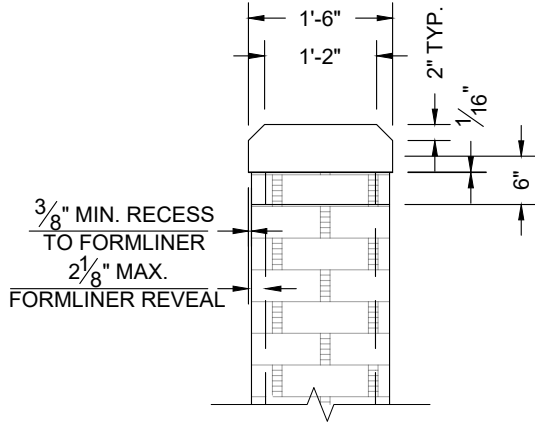
PLAN
(SOUTH WINGWALL SHOWN
NORTH WINGWALL SIMILAR)



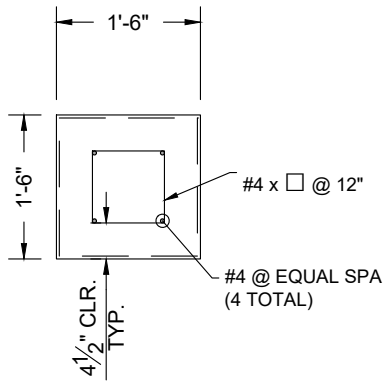
WINGWALL ELEVATION
(SOUTH WINGWALL SHOWN
NORTH WINGWALL SIMILAR)



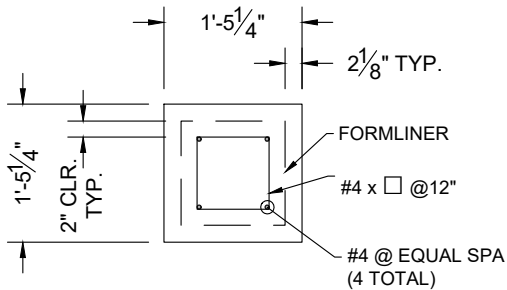
SECTION A



PILASTER DETAIL 1



SECTION B



SECTION C

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HORIZ. SCALE: VERT. SCALE:



5250 Hahns Peak Dr., Ste 220
Loveland, CO 80538
(970) 292-0049

Sheet Status

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NOT FOR CONSTRUCTION



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CONSTRUCTION

NO. REVISIONS:

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VOID:

5TH STREET BRIDGE IMPROVEMENT
WINGWALL SECTION AND DETAILS

DESIGNER:

MM

DETAILER:

EN

SHEET SUBSET:

WING

STRUCTURE

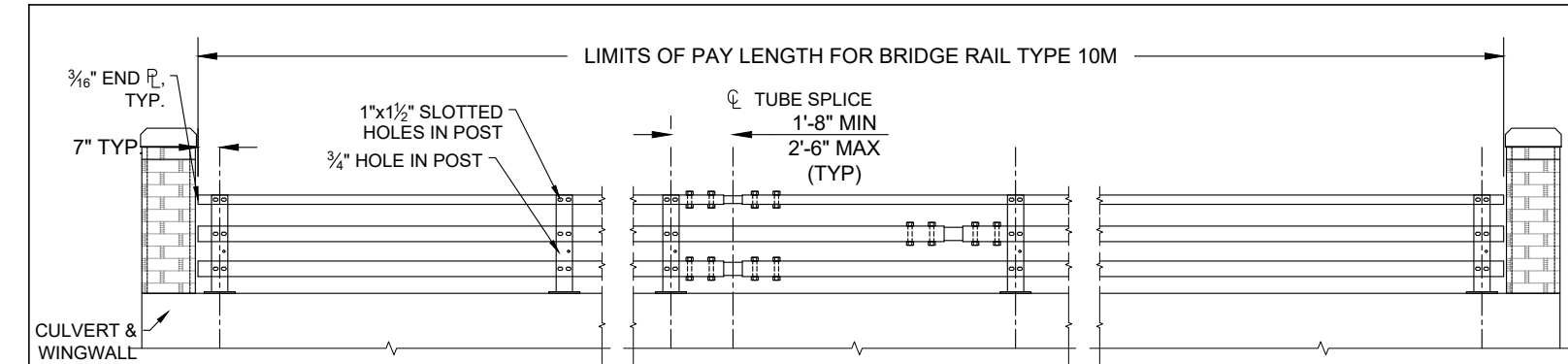
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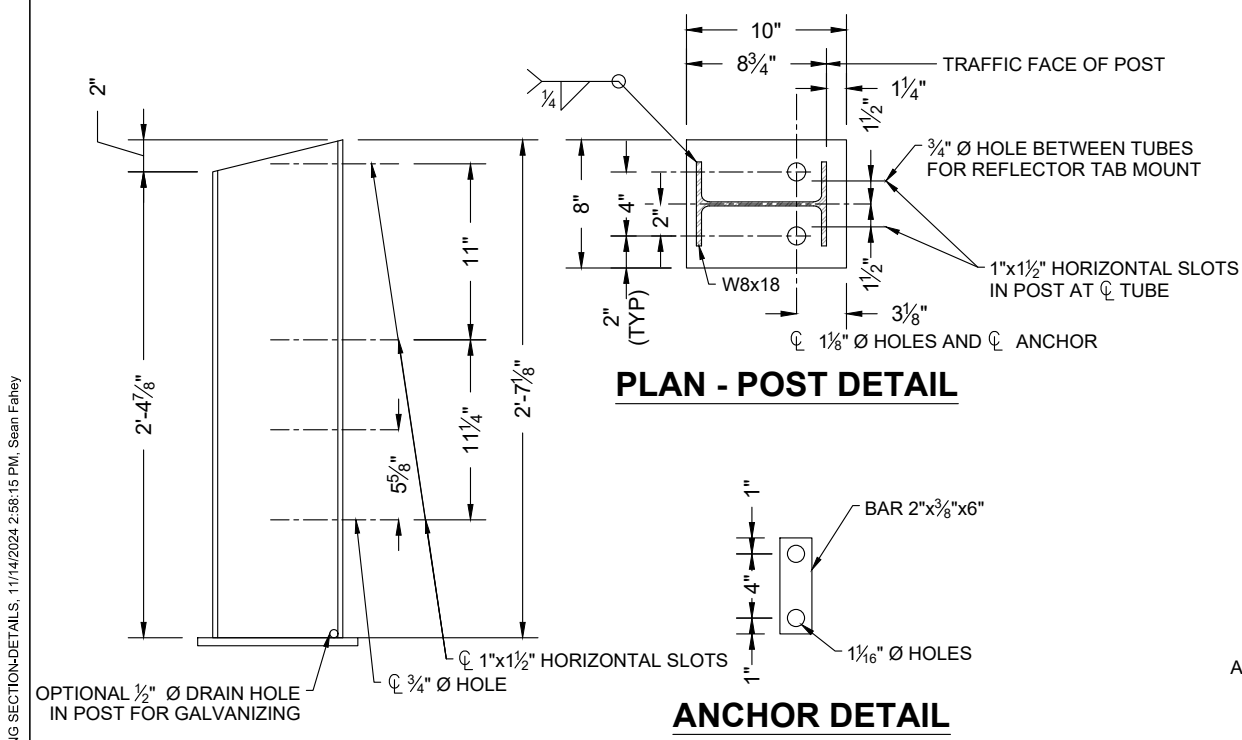
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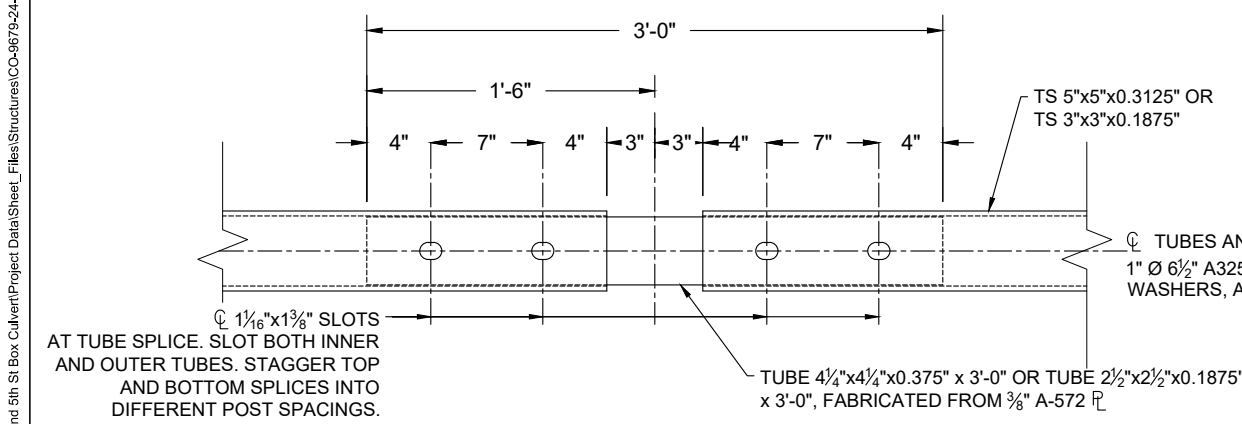


ELEVATION - BRIDGE RAIL

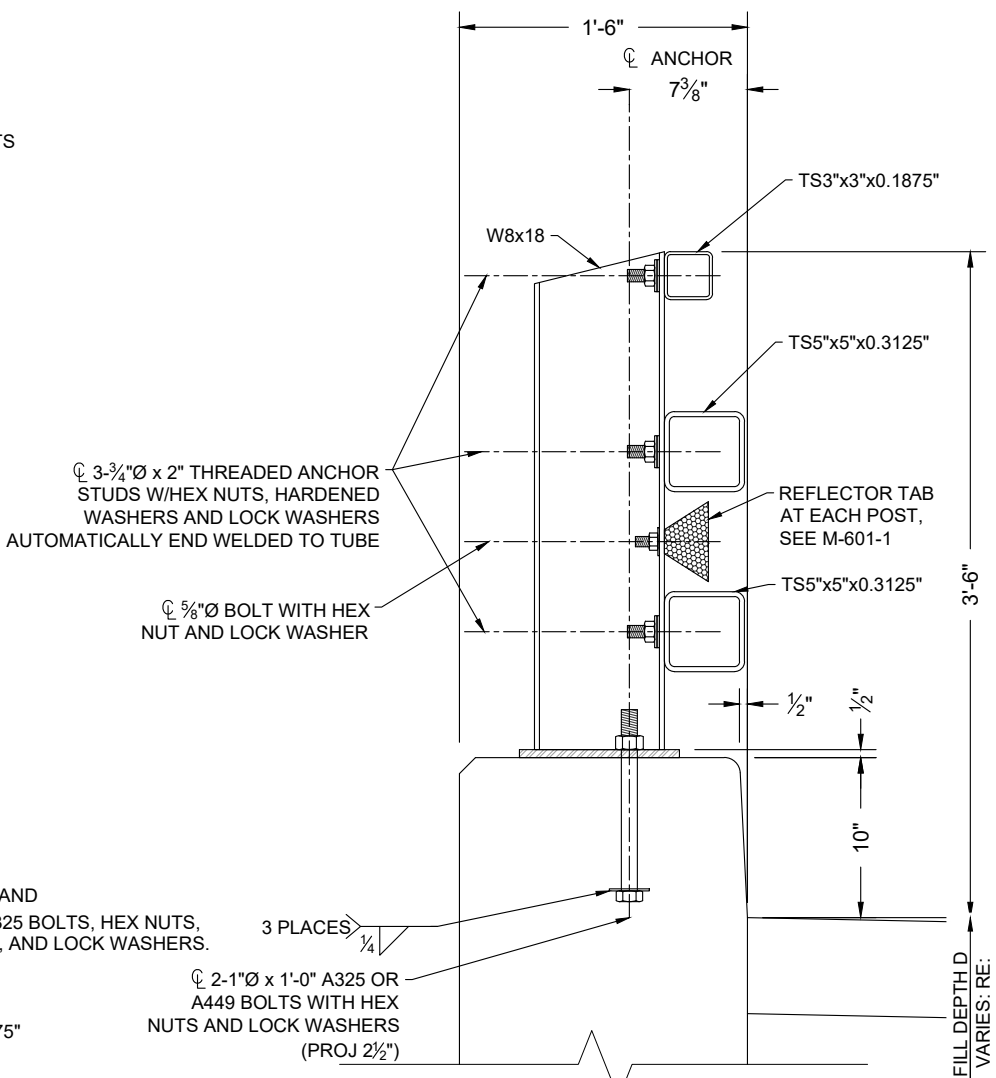


PLAN - POST DETAIL

ANCHOR DETAIL

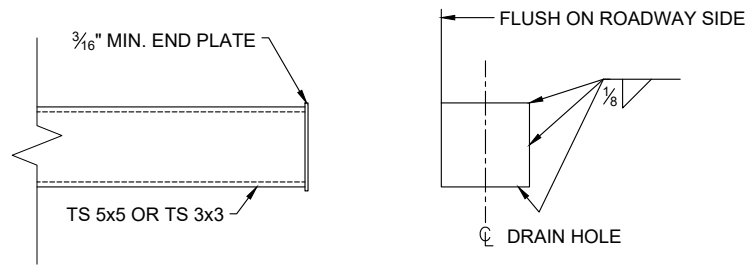


PLAN - TUBE SPLICE



TYPICAL SECTION

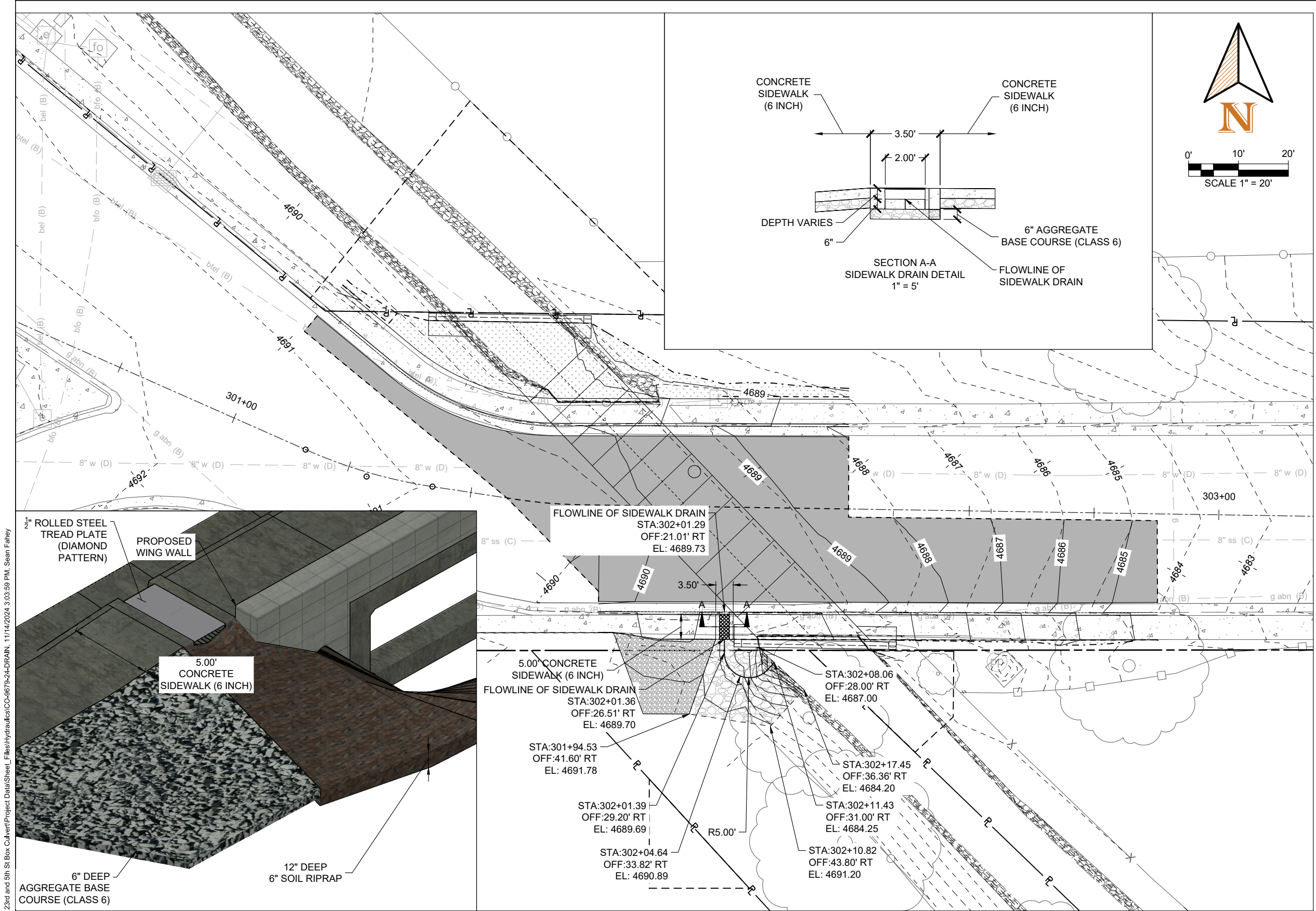
- NOTES:
1. ALL TUBES SHALL BE ASTM A847. ALL POSTS AND BASE PLATES SHALL BE ASTM A709 GRADE 50W. ALL BOLTS SHALL BE ASTM A307, EXCEPT H.S. BOLTS SHALL BE EITHER ASTM A325 OR A449. ALL OTHER STEEL SHALL BE ASTM A709 GRADE 36 UNLESS OTHERWISE NOTED.
 2. ALL ANCHOR BOLTS AND MISCELLANEOUS BOLT, NUTS, AND WASHERS SHALL BE GALVANIZED AFTER FABRICATION IN ACCORDANCE WITH SECTION 509. CONCRETE, REINFORCING STEEL, AND STRUCTURAL STEEL ELEMENTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 601, 602 AND 509, RESPECTIVELY.
 3. POST ANCHOR, ENCASED IN CONCRETE, NEED NOT BE GALVANIZED.
 4. TUBES SHALL BE SHOP BENT AS NEEDED.
 5. TUBES SHALL BE CONTINUOUS OVER NOT LESS THAN TWO POSTS. NO WELDED BUTT SPLICES WILL BE ALLOWED IN THE TUBE SECTIONS.
 6. THE CENTERLINE OF THE TUBE SPLICE SHALL BE 1'-8" MINIMUM AND 2'-6" MAXIMUM FROM THE CENTERLINE OF THE POSTS.
 7. ALL BOLTS THAT HAVE LOCK WASHERS SHALL BE TIGHTENED TO SNUG ONLY.
 8. POSTS SHALL BE PERPENDICULAR TO THE LONGITUDINAL ROADWAY GRADE.
 9. ONE OR MORE 10'-0" POST SPACINGS MAY BE REDUCED (6'-8" MIN.) IN ORDER TO MAINTAIN DIMENSIONS FROM THE END OF THE RAIL AND EXPANSION JOINTS.
 10. BRIDGE RAIL TYPE 10M (SPECIAL) WORK SHALL INCLUDE ALL POSTS, POST ANCHORS, BASE PLATES, BACKING PLATES, ANCHOR BOLTS, MISCELLANEOUS BOLTS, NUTS, WASHERS, TUBES, TUBE EXPNSION DEVICES, TUBE SPLICES, END PLATES, AND REFLECTOR TABS. CONSTRUCTED IN CONFORMANCE WITH SECTION 606 OF THE CDOT CONSTRUCTION STANDARDS (2023).
 11. PRIOR TO FABRICATION OF THIS ITEM, THREE SETS OF WORKING DRAWINGS WHICH COMPLY WITH THE REQUIREMENTS OF SECTION 105, SHALL BE SUBMITTED TO THE ENGINEER FOR INFORMATION ONLY.
 12. STRUCTURAL STEEL:
 - AASHTO M-270 GRADE 36 (ASTM A-709 GRADE 36) fy = 36,000 psi
 - AASHTO M-270 GRADE 50 (ASTM A-992/A-572 GRADE 50) fy = 50,000 psi
 - ASTM A-847 fy = 50,000 psi



END CAP DETAIL

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- NOTES:**
1. CONTRACTOR SHALL MAINTAIN ACCESS TO PROPERTY OWNERS AT ALL TIMES. SEE ROADWAY PLANS FOR MORE INFORMATION.
 2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES.

PRINT DATE: 11/14/2024 3:03 PM		Sheet Status		NOT FOR CONSTRUCTION		5TH STREET BRIDGE IMPROVEMENTS DRAINAGE PLAN			PROJECT ID: 24892	
FILE NAME: CO-9679-24-DRAIN.DWG				NO. REVISIONS:					BRO M570-067	
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STORMWATER MANAGEMENT PLAN (SWMP) TEMPLATE LESS THAN 1 ACRE OF DISTURBANCE
(6/20/2024)

1. Site Description

The Contractor shall comply with all CDOT contractual requirements, and all requirements associated with the CDPS-SCP on this project. The SWMP Administrator for Construction shall update the SWMP to reflect current project site conditions.

A. Project Site Location:

This project is in the North-West Quarter of Section 6, Township 6 North, Range 65 West. Specifically, east of the N. 23rd Ave. and 5th Street intersection.

B. Project Site Description:

The objective of this project is to replace an existing bridge with a concrete box culvert. No new configurations or modifications to the 5th Street are being proposed as the intent is to restore the roadway back to its current existing condition after the box culvert installation. Excavation will be limited to the north and south ends of the bridge areas to remove the wingwalls, and structure. Existing Asphalt and sidewalks on top of this bridge will be removed and replaced in kind following City of Greeley standards and regulations.

C. Proposed Schedule for Sequence for Major Construction Activities:

Initial phase of the project will consist of closing the section of 5th Street where the bridge crosses. Secondly, there will be construction staging and initial BMP's installation per the Erosion and Sediment Control plan. After the site has been secured and traffic control measures installed, then removal activities will commence. These include removal of asphalt mat, concrete sidewalks, portions of the rock wall, bridge, wingwalls, and fencing as defined in the Removals Plan. Thirdly assembly and installation of the concrete box culvert will take place along with backfilling back to original grade, installation of new asphalt mat, concrete sidewalks, sidewalk chase drains, and striping. During all these activities BMP's will be in place to prevent any sediment from entering drainage structures per the Erosion Control Plan.

D. Acres of Disturbance:

- 1. Total area of construction site (LOC (PERMITTED AREA)): 0.53 acres
- 2. Total area of proposed disturbance (LDA): 0.15 acres
- 3. Total area of seeding: 0.10 acres
- 4. Total area of pre-project impervious surface: 5,490 sq. ft.
- 5. Total area of final impervious surface: 5,055 sq. ft.

E. Existing Soil Data:

Geotechnical report states that in one boring there were cohesive soils (lean clay, very stiff, grayish brown and moist) were encountered at a depth of 9-ft. Additionally, cohesionless native soils beneath the fill materials extending to depths of up to 24 feet. Cohesionless soils comprised poorly graded sand (SP), silty sand (SM), and well graded gravel (GW). Poorly graded sand and silty sand soils were generally described as loose to very dense, fine to coarse grained, light brown, and dry to moist. The well graded gravel was generally described as medium dense to very dense, light brown and light gray, and dry to wet.

Based on the USDA Web Soil Survey Soil Map lookup (08-20-2024), the project location is made up of Otero Sandy Loam, with 3-5% slopes. Otero Sandy Loam's drainage class is defined as "well-drained" and its runoff class as "very low".

Erodibility measures for Otero Sandy Loam:

K-factor (rock free) – 0.15 (Range is between 0.02 – 0.69, with higher numbers being more erodible)

Data Source(s): Olsson Geotechnical Engineering Report & USDA Web Soil Survey

2. Stormwater Management Controls for First Construction Activities

The Contractor shall perform the following

A. Potential Pollutants Sources:

Refer to Potential Pollutant Sources in SWMP Section 4A. The SWMP Administrator for Construction shall prepare a list of all potential pollutants and their locations in accordance with subsection 107.25.

B. Offsite Drainage (Run on Water):

Place Control Measures to address run-on water in accordance with subsection 208.03.

C. Construction Dewatering:

Obtain a CDPS Dewatering Permit from CDPHE if conditions of their Low Risk Guidance for Discharges of Uncontaminated Groundwater to Land are not met; see subsections 107.02 and 107.25.

Refer to CDPHE Low Risk Discharge Guidance Document of Uncontaminated Groundwater to Land.

<https://www.colorado.gov/pacific/sites/default/files/WQ%20LOW%20RISK%20GW.pdf>

D. Vehicle Tracking Control:

Control Measures shall be implemented in accordance with subsection 208.04.

E. Perimeter Control:

Perimeter control shall be established as the first item on the SWMP to prevent the potential for pollutants leaving the construction site boundaries, entering the stormwater drainage system, or discharging to state waters. With subsection Perimeter control may consist of berms, silt fence, erosion logs, existing landforms, or other Control Measures as approved.

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3. Tabulation of Stormwater Quantities

A. Control Measure sediment removal and disposal shall be paid for as: 208 Removal and Disposal of Sediment (Equipment) and 208 Removal and Disposal of Sediment (Labor). All other control measure maintenance shall be included in the cost of the control measure.

Pay Item	Description	Pay Unit	Initial Const.	Interim Const.	Permanent Stabilization	*Total Quantity
208-00002	EROSION LOG TYPE 1 (12 INCH)	LF		168		168
208-00011	EROSION BALES (WEED FREE)	EACH	8			8
208-00020	SILT FENCE	LF	264			264
208-00035	AGGREGATE BAG	LF	10			10
208-00046	PRE-FABRICATED CONCRETE WASHOUT STRUCTURE (TYPE 1)	EACH		2		2
208-00054	STORM DRAIN INLET PROTECTION (TYPE II)	EACH	1			1
208-00075	PRE-FABRICATED VEHICLE TRACKING PAD	EACH	2			2
208-00106	SWEEPING (SEDIMENT REMOVAL)	HOUR				20
208-00107	REMOVAL OF TRASH	HOUR				80
208-00207	EROSION CONTROL MANAGEMENT	DAY				40
212-00706	SEEDING (NATIVE) DRILL	ACRE			0.10	0.10
216-00042	SOIL RETENTION BLANKET (BIODEGRADABLE STRAW/COCONUT)	SY		141		141

*It is anticipated that additional control measures and control measure quantities not shown on the SWMP Site Maps shall be required on the project for unforeseen conditions and replacement of items that are beyond their useful service life, see subsections 208.03 and 208.04. **Quantities for all control measures shown above are estimated and have been increased for unforeseen conditions and normal control measure life expectancy.** Quantities shall be adjusted according to the conditions encountered in the field as directed and approved by the Engineer. Payment shall be for the actual work completed and material used.
**Pay Item 208-00071 is included for anticipated maintenance of vehicle tracking pads based on the service life of the control measure in the field. The use of the material shall be directed and approved by the Engineer.

4. Biological Impacts and Dewatering

A. Environmental Impacts:

- 1. Wetland Impacts: No
- 2. Stream Impacts: No
- 3. Threatened and Endangered Species: No

B. Dewatering:

- (Not covered under the CDPHE guidance document Low Risk Discharge Guidance Discharges of Uncontaminated Groundwater to Land):
https://drive.google.com/open?id=17ck1ZJojHSacJ_wxp2FfUr4rAxNgVWZv
- 1. Dewatering: Refer to other environmental permits in accordance with subsection 107.02 and the permits contained in Tab 16 of the SWMP.
 - 2. If groundwater does not meet water quality standards for receiving water a separate CDPS Dewatering Permit shall be obtained by the Contractor from CDPHE in accordance with subsections 107.02 and 107.25.

PRINT DATE: 11/14/2024 3:04 PM

FILE NAME: CO-9679-24-SWMP-NOTE.DWG

HORIZ. SCALE: VERT. SCALE:

Horrocks.

5250 Hahns Peak Dr., Ste 220
Loveland, CO 80538
(970) 292-0049

Sheet Status

90% PLAN SET
NOT FOR CONSTRUCTION

City of

GreeleyColorado

NOT FOR CONSTRUCTION

NO. REVISIONS:

REVISED:

VOID:

5TH STREET BRIDGE IMPROVEMENTS
SWMP NOTES 02

DESIGNER: TLT

DETAILER: JAQ

SHEET SUBSET: ESCP

STRUCTURE NUMBERS

-

-

ESCP 02 OF 05

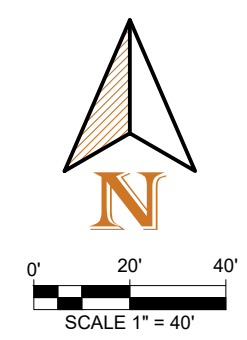
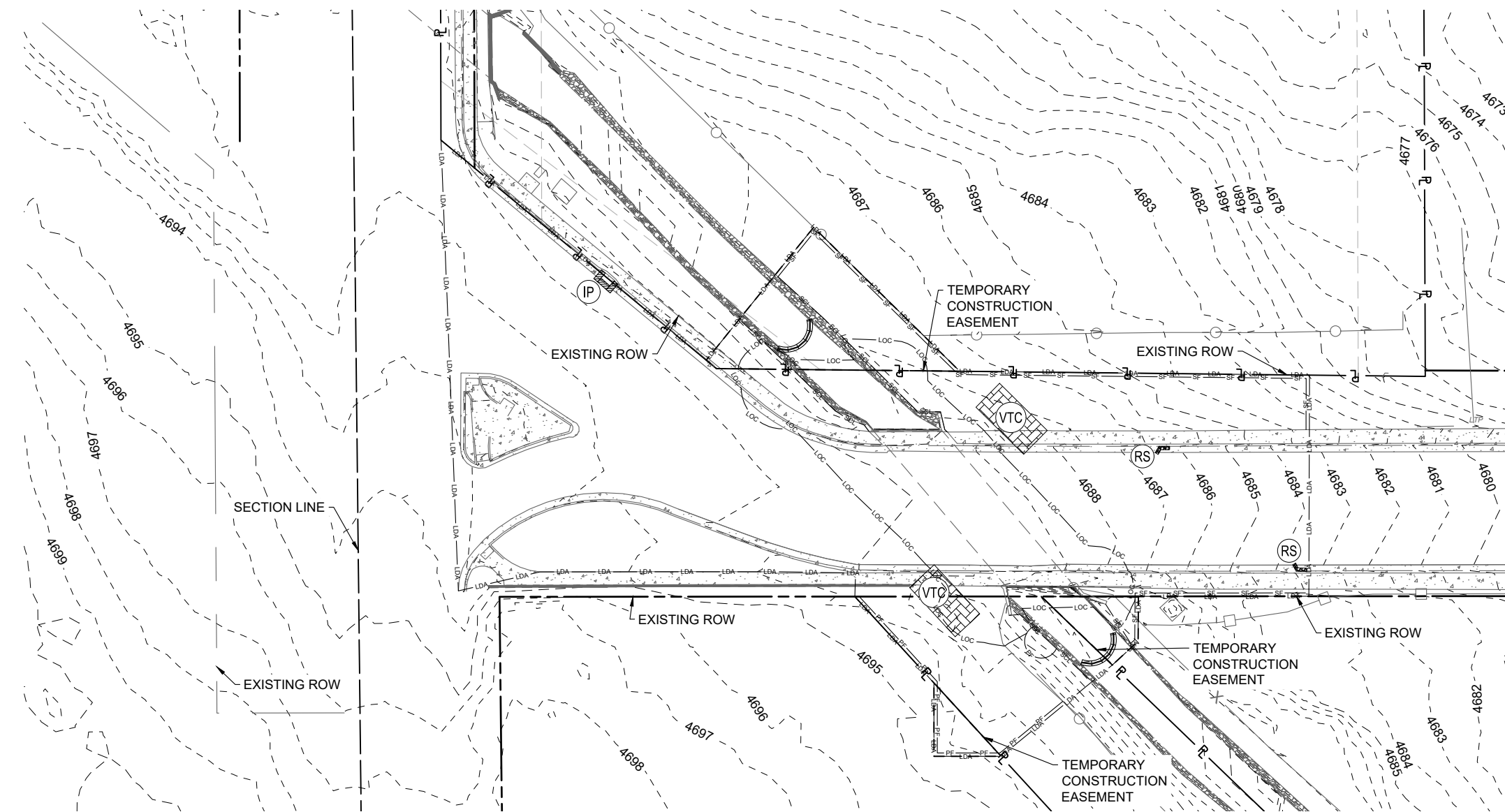
PROJECT ID: 24892

BRO M570-067

PROJECT #:BRO M570-067

23

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LEGEND	
ROCK SOCK	(RS)
SEDIMENT CONTROL LOG TYPE 1 (12 INCH)	(SCL) — SCL
INLET PROTECTION	(IP)
STABILIZED STAGING AREA (SEE UDFCD DETAIL)	(SSA)
TOPSOIL (AND SOIL) STOCKPILE AREA (SEE UDFCD DETAIL)	(SP)
VEHICLE TRACKING CONTROL	(VTC)
BROADCAST SEEDING AND HYDROMULCH	(PS) (HMU)
SOD	(SOD)
DECORATIVE AND INORGANIC MULCH (SEE ROADWAY PLANS FOR LANDSCAPE AND RESTORATION)	(DMU)
GRAVEL SURFACE PER ROADWAY PLANS	(GR)
EXISTING VEGETATION PROTECTION	(PV) — x —
CONCRETE WASHOUT (TYPE 1)	(CWM)
DIRECTION OF EXISTING OVERLAND FLOW	
DIRECTION OF PROPOSED OVERLAND FLOW	
LIMITS OF GRADING LIMITS	— — — —
OF CONSTRUCTION LIMITS OF	— — — — LOC — — — —
DISTURBANCE PROPOSED	— — — — LDA — — — —
MAJOR CONTOUR PROPOSED	— — — —
MINOR CONTOUR EXISTING	- - - - -
MAJOR CONTOUR EXISTING	- - - - -
MINOR CONTOUR PROPOSED	— — — —
FLOOD FLINGE	
FLOODWAY	
WETLANDS (SEE NOTE 1)	
CONSTRUCTION/SILT FENCE COMBO	— — — — CF — — — —
STRAW BALE BARRIER	(SBB)

PRINT DATE: 11/14/2024 3:09 PM

FILE NAME: CO-9679-24-ECP-INTL.DWG

HORIZ. SCALE: 1" = 40' VERT. SCALE:



5250 Hahns Peak Dr., Ste 220
Loveland, CO 80538
(970) 292-0049

Sheet Status

90% PLAN SET
NOT FOR CONSTRUCTION



NOT FOR CONSTRUCTION

NO. REVISIONS:

REVISED:

VOID:

5TH STREET BRIDGE IMPROVEMENTS
ESCP INITIAL SITE PLAN

DESIGNER: TLT
DETAILER: JAQ
SHEET SUBSET: ESCP

STRUCTURE NUMBERS
-
-
ESCP 03 OF 05

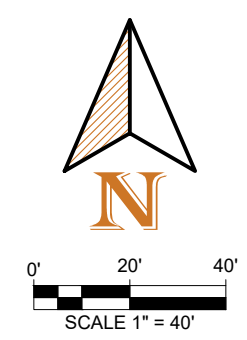
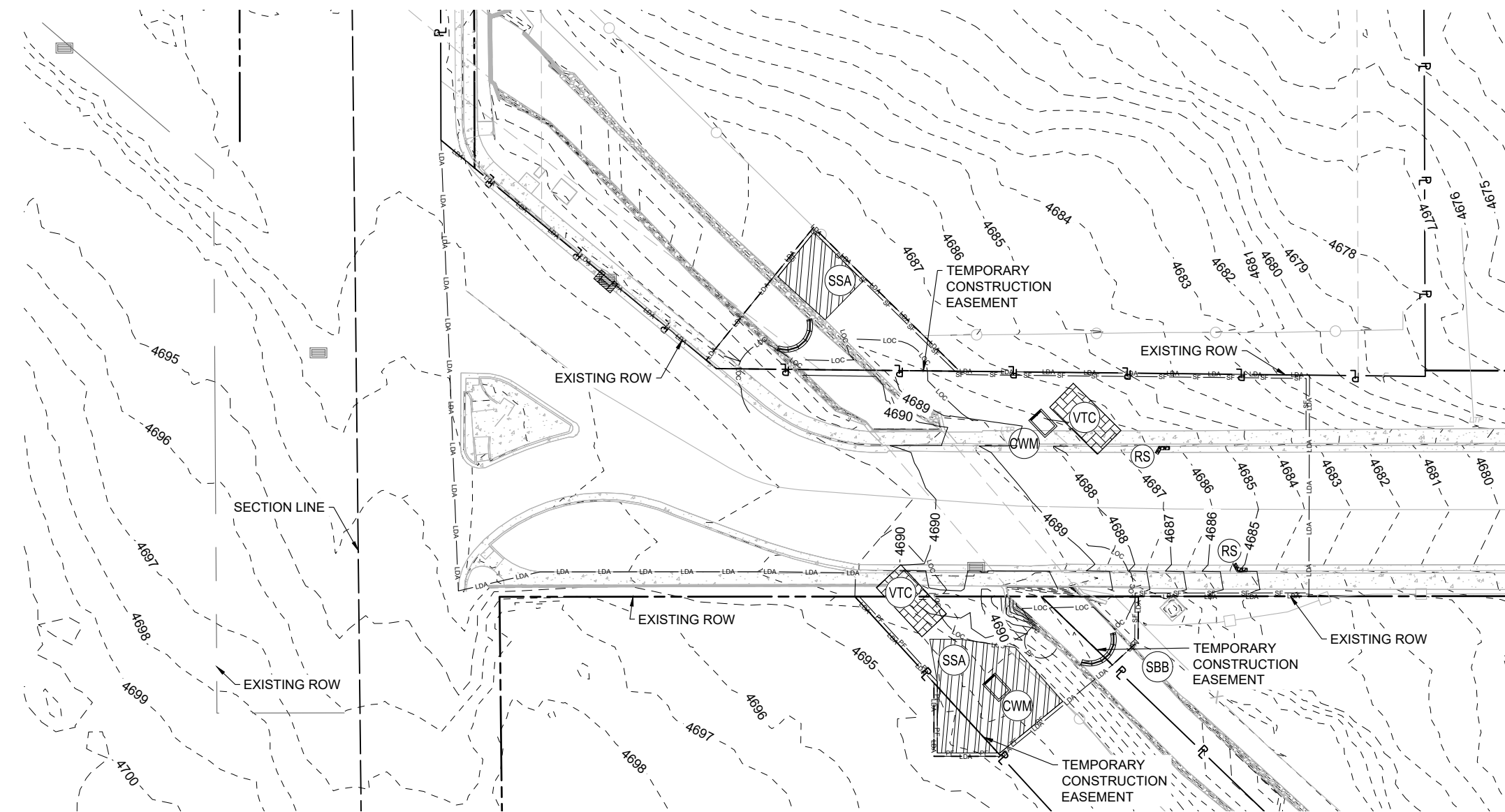
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CO-9676-24

PROJECT #BRO M570-067

24

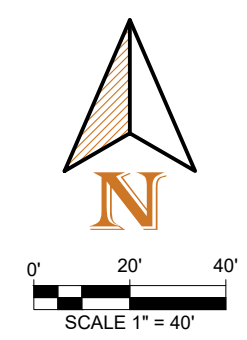
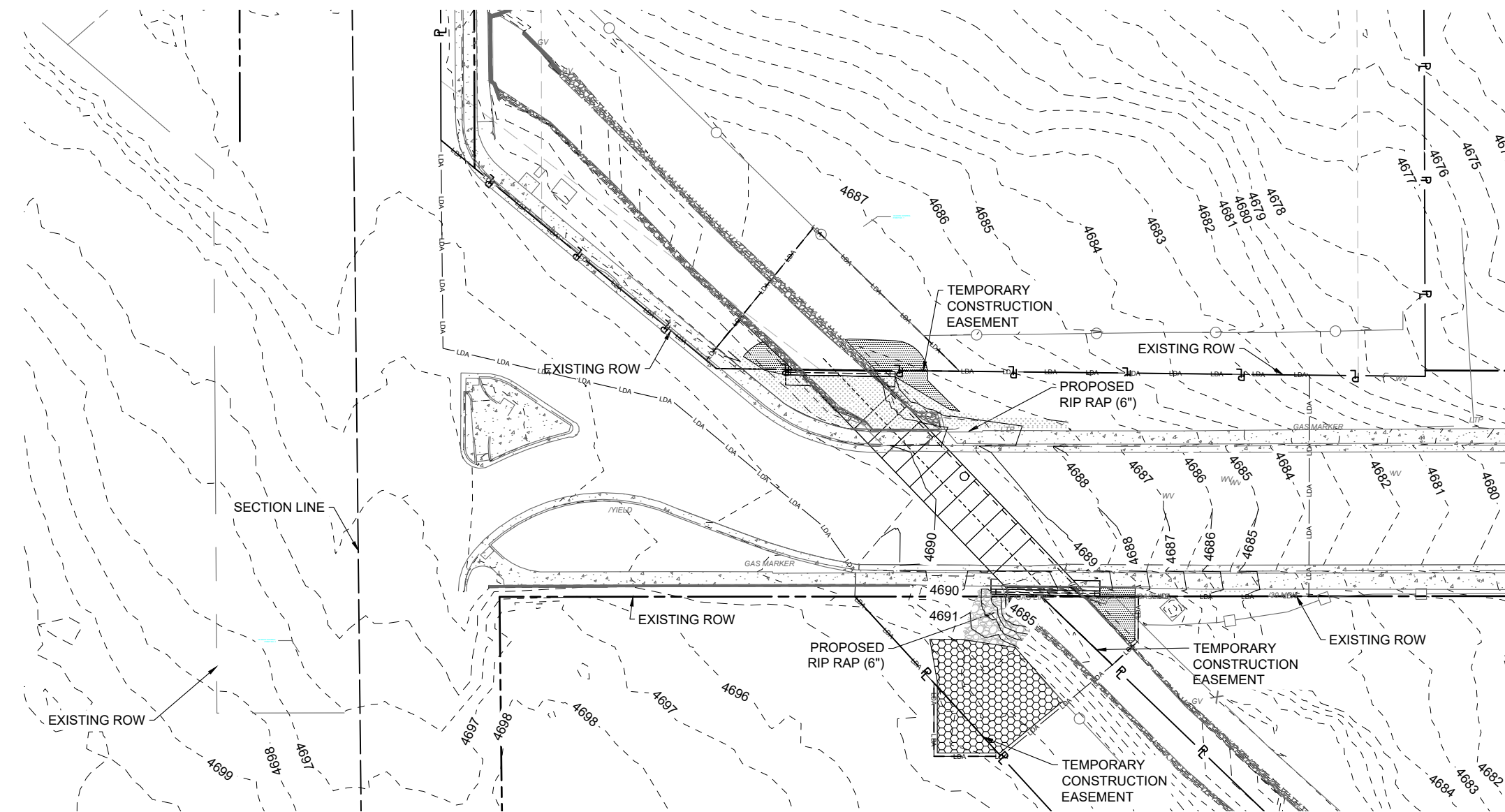
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LEGEND	
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INLET PROTECTION	(IP)
STABILIZED STAGING AREA (SEE UDFCD DETAIL)	(SSA)
TOPSOIL (AND SOIL) STOCKPILE AREA (SEE UDFCD DETAIL)	(SP)
VEHICLE TRACKING CONTROL	(VTC)
BROADCAST SEEDING AND HYDROMULCH	(PS) (HMU)
SOD	(SOD)
DECORATIVE AND INORGANIC MULCH (SEE ROADWAY PLANS FOR LANDSCAPE AND RESTORATION)	(DMU)
GRAVEL SURFACE PER ROADWAY PLANS	(GR)
EXISTING VEGETATION PROTECTION	(PV) — x
CONCRETE WASHOUT (TYPE 1)	(CWM)
DIRECTION OF EXISTING OVERLAND FLOW	
DIRECTION OF PROPOSED OVERLAND FLOW	
LIMITS OF GRADING LIMITS	— — —
OF CONSTRUCTION LIMITS OF	— — — LOC — — —
DISTURBANCE PROPOSED	— — — LDA — — —
MAJOR CONTOUR PROPOSED	— — —
MINOR CONTOUR EXISTING	- - - - -
MAJOR CONTOUR EXISTING	- - - - -
MINOR CONTOUR PROPOSED	- - - - -
FLOOD FLINGE	
FLOODWAY	
WETLANDS (SEE NOTE 1)	
CONSTRUCTION/SILT FENCE COMBO	— — — CF — — —
STRAW BALE BARRIER	(SBB)

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Horrocks. 5250 Hahns Peak Dr., Ste 220 Loveland, CO 80538 (970) 292-0049				VOID:		SHEET SUBSET: ESCP		SHEET SUBSET: ESCP 04 OF 05		25

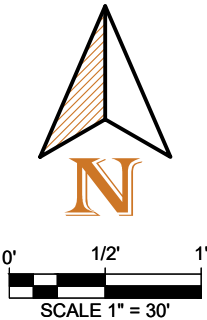
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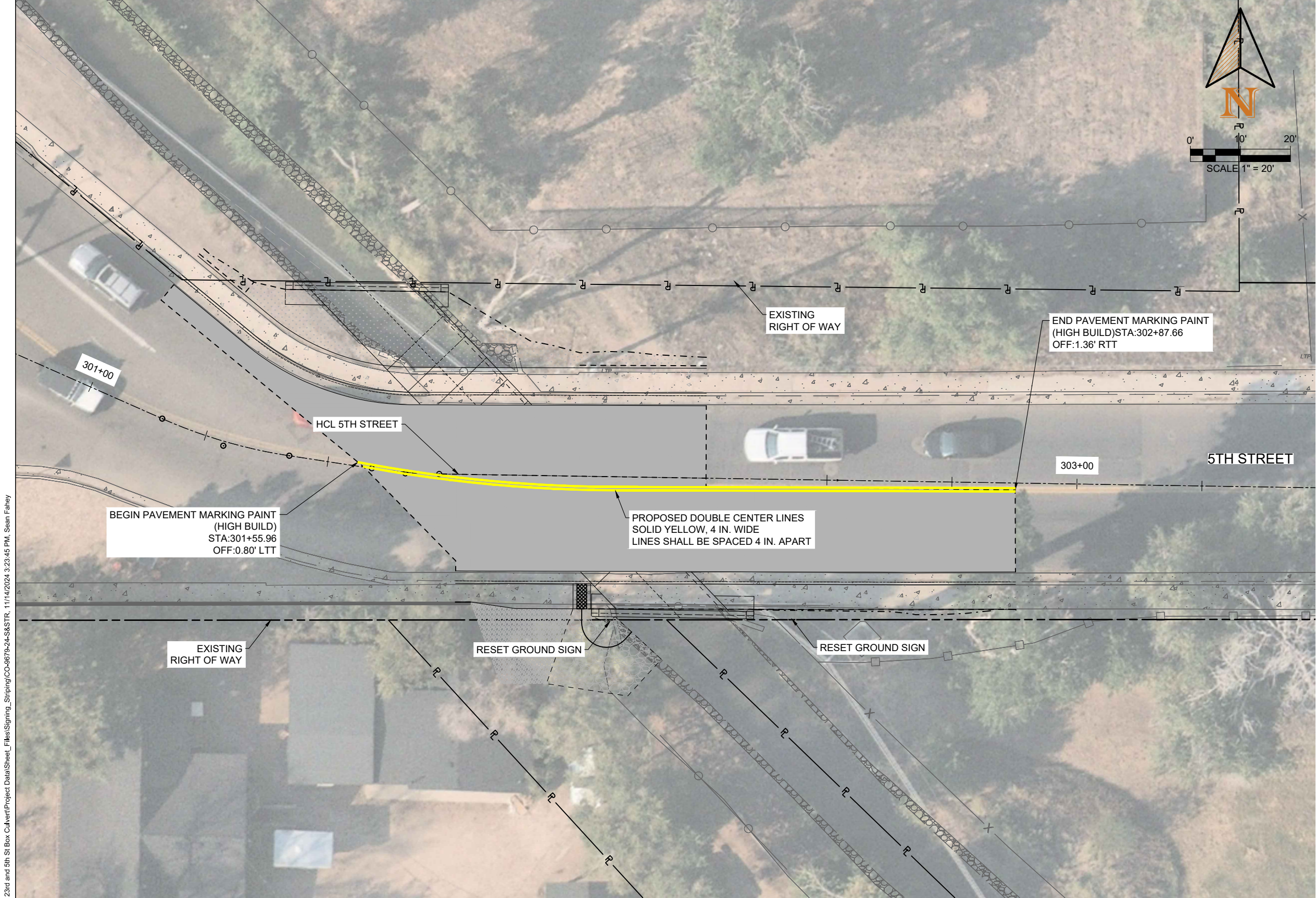
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INLET PROTECTION	(IP)
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TOPSOIL (AND SOIL) STOCKPILE AREA (SEE UDFCD DETAIL)	(SP)
VEHICLE TRACKING CONTROL	(VTC)
BROADCAST SEEDING AND HYDOMULCH	(PS) (HMU)
BROADCAST NATIVE SEED	
DECORATIVE AND INORGANIC MULCH (SEE ROADWAY PLANS FOR LANDSCAPE AND RESTORATION)	(DMU)
GRAVEL SURFACE PER ROADWAY PLANS	(GR)
EXISTING VEGETATION PROTECTION	(PV) — x
CONCRETE WASHOUT (TYPE 1)	(CWM)
DIRECTION OF EXISTING OVERLAND FLOW	
DIRECTION OF PROPOSED OVERLAND FLOW	
LIMITS OF GRADING LIMITS	— — —
OF CONSTRUCTION LIMITS OF	— — —
DISTURBANCE PROPOSED	— LDA —
MAJOR CONTOUR PROPOSED	— — —
MINOR CONTOUR EXISTING	- - - - -
MAJOR CONTOUR EXISTING	- - - - -
MINOR CONTOUR PROPOSED	— — —
FLOOD FLINGE	
FLOODWAY	
WETLANDS (SEE NOTE 1)	
CONSTRUCTION/SILT FENCE COMBO	— CF —
STRAW BALE BARRIER	(SBB)
COMPACTED (CL 6) AGGREGATE	

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TO BE
DETERMINED



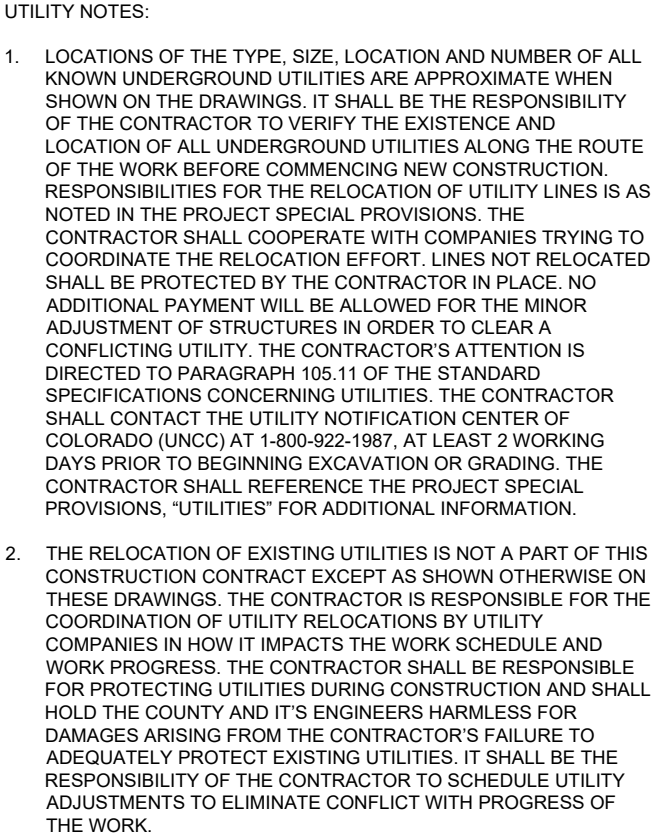
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				VOID:	DETAILER: JAQ		-	27
					SHEET SUBSET: PHASING	SHEET SUBSET: CPPL 01 OF 01		



- NOTES:**
1. CONTRACTOR SHALL MAINTAIN ACCESS TO PROPERTY OWNERS AT ALL TIMES. SEE ROADWAY PLANS FOR MORE INFORMATION
 2. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION ACTIVITIES. ALL UTILITIES SHOWN ARE QUALITY LEVEL D.
 3. SEE ROADWAY PLANS FOR ADDITIONAL INFORMATION.

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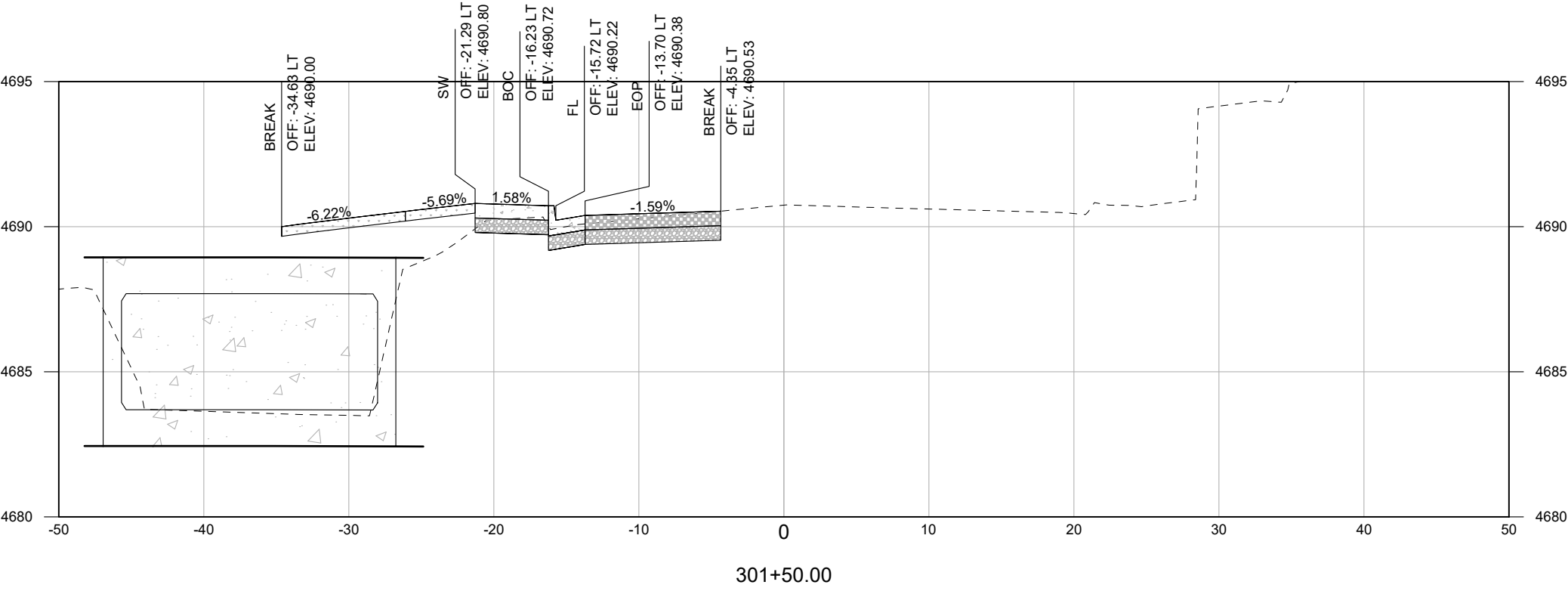
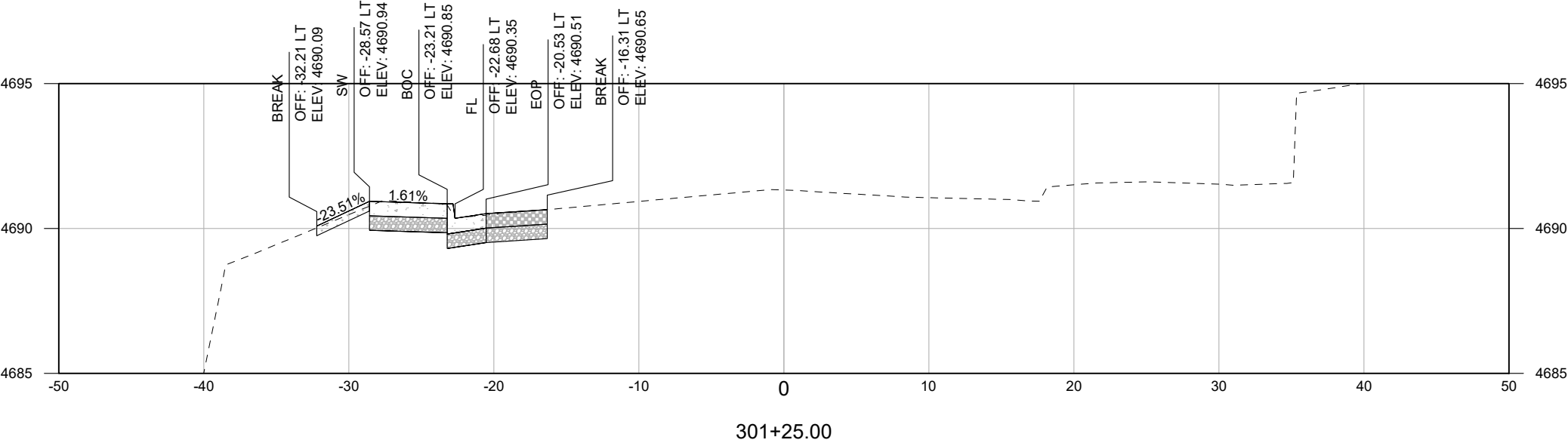
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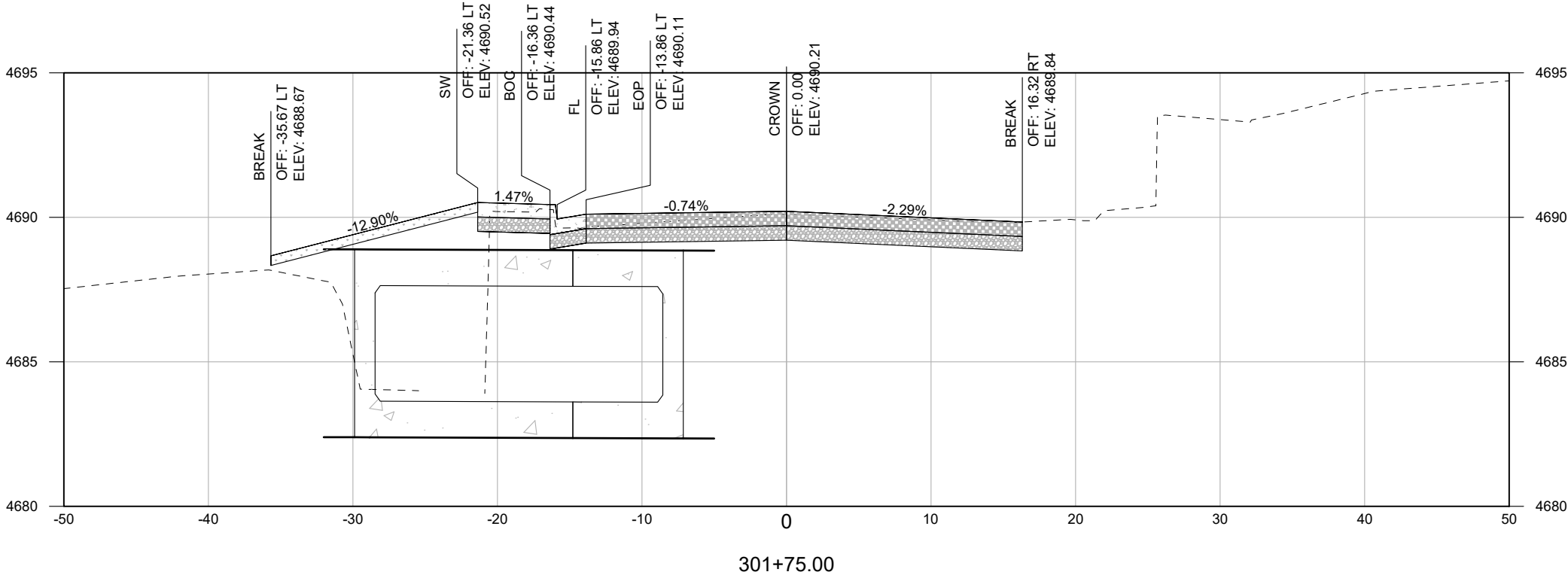


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Sheet Status
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NO. REVISIONS:	CROSS SECTIONS			BRO M570-067
REVISED:	DESIGNER:	SPF	STRUCTURE NUMBERS	PROJECT #:BRO M570-067
	DETAILER:	SEAN.FAHEY		
VOID:	SHEET SUBSET:	XSEC	SHEET SUBSET: XSEC 1 OF 4	30



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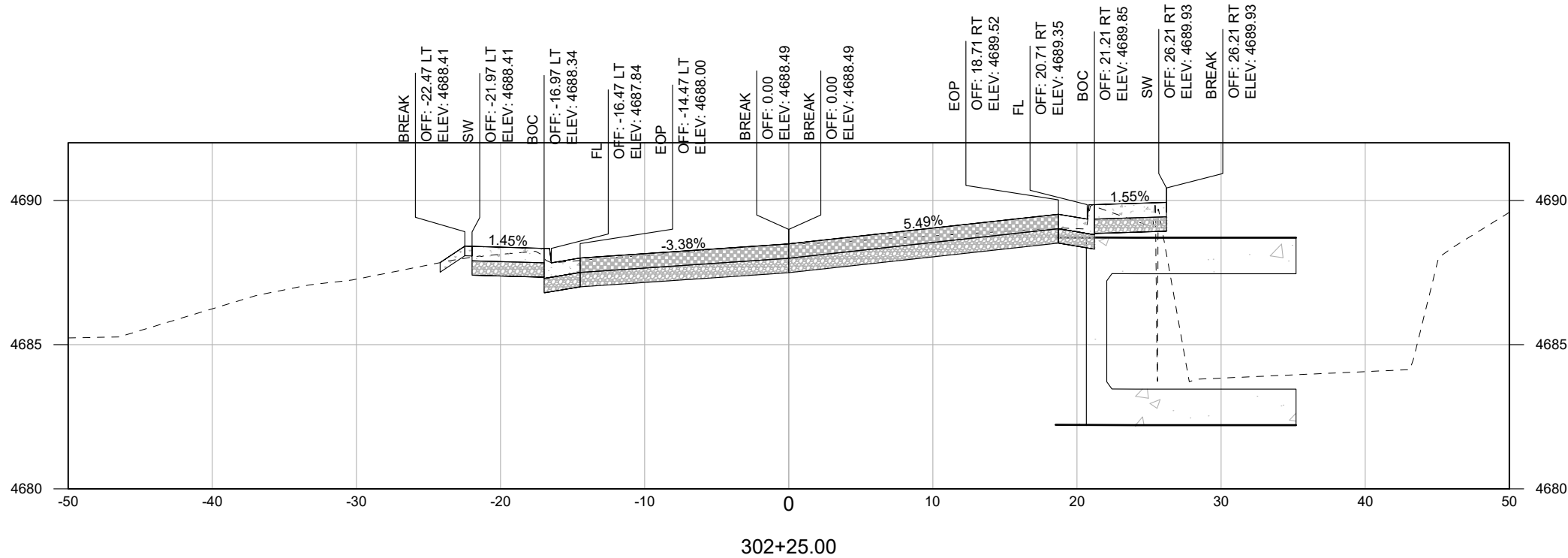
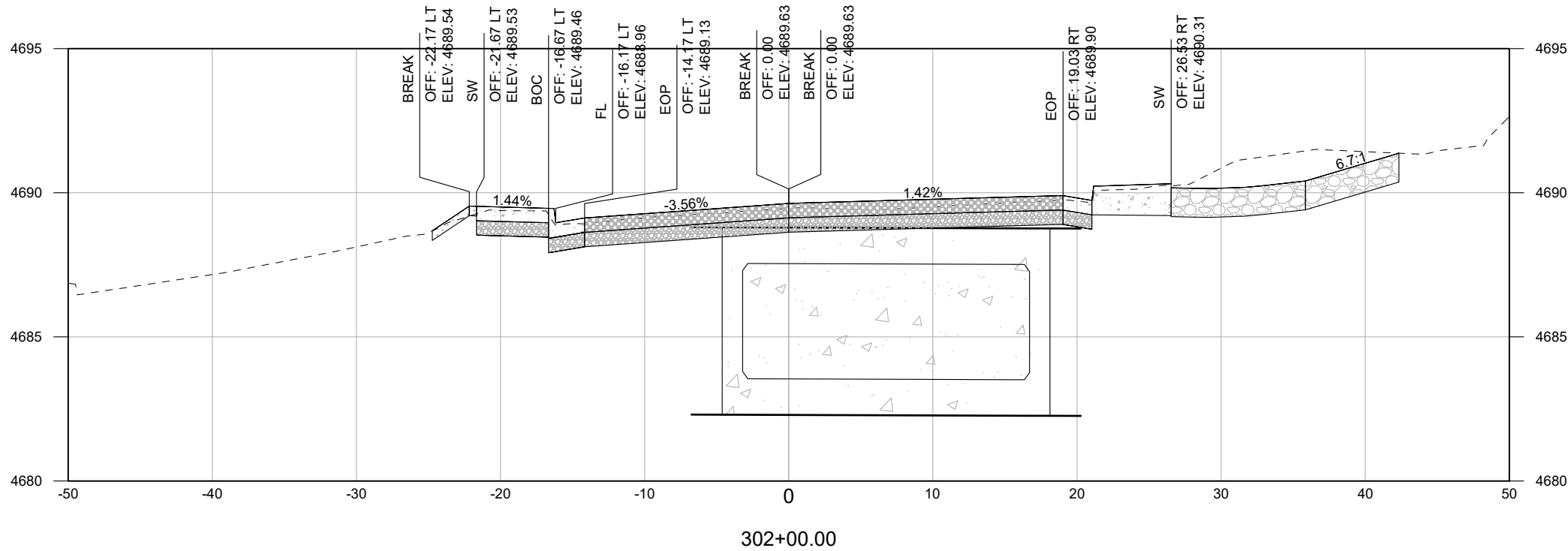
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Sheet Status
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NOT FOR CONSTRUCTION	5TH STREET BRIDGE IMPROVEMENTS			PROJECT ID: 24892
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REVISED:	DESIGNER: SPF	STRUCTURE NUMBERS		PROJECT #:BRO M570-067
VOID:	DETAILER: SEAN.FAHEY			
	SHEET SUBSET: XSEC	SHEET SUBSET: XSEC 2 OF 4		31

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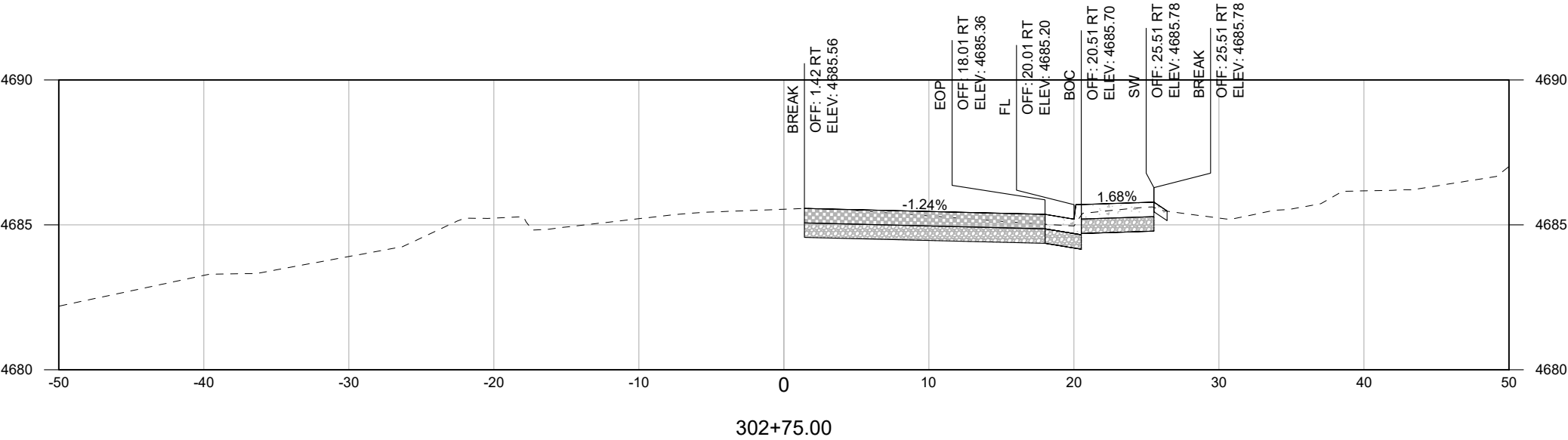
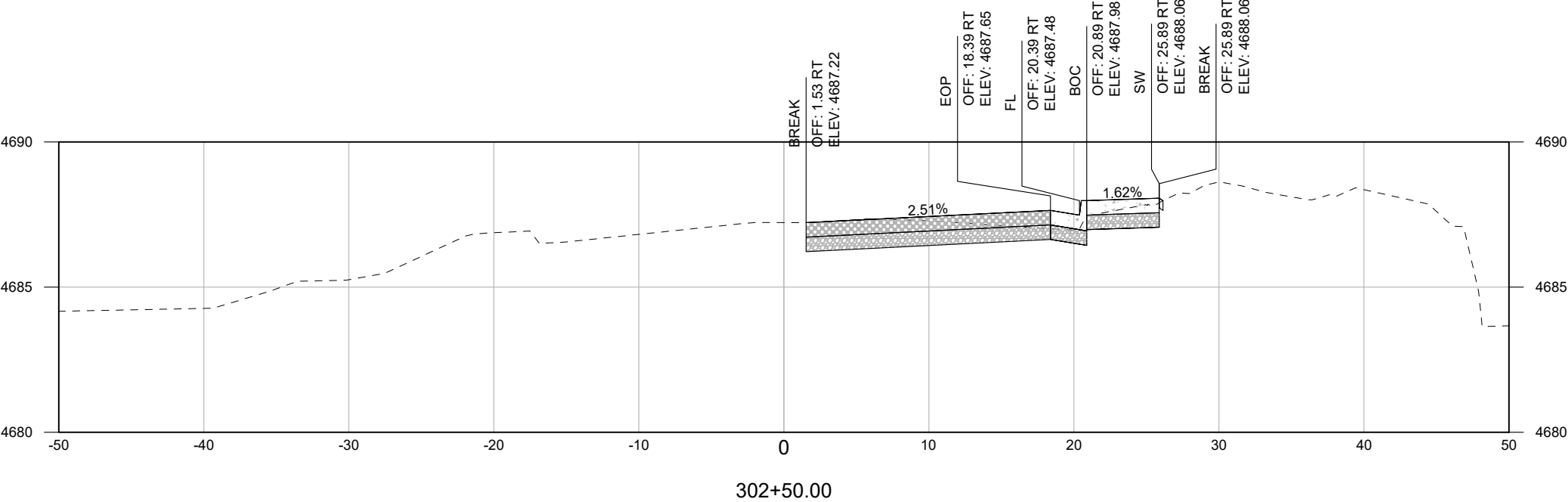
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Sheet Status
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NOT FOR CONSTRUCTION	5TH STREET BRIDGE IMPROVEMENTS			PROJECT ID: 24892
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NO. REVISIONS:				
REVISED:	DESIGNER: SPF	STRUCTURE NUMBERS		PROJECT #BRO M570-067
VOID:	DETAILER: SEAN.FAHEY			
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Sheet Status
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NOT FOR CONSTRUCTION
NO. REVISIONS:
REVISED:
VOID:

5TH STREET BRIDGE IMPROVEMENTS CROSS SECTIONS CROSS SECTIONS			
DESIGNER:	SPF	STRUCTURE NUMBERS	
DETAILER:	SEAN.FAHEY		
SHEET SUBSET:	XSEC	SHEET SUBSET:	XSEC 4 OF 4

PROJECT ID: 24892
BRO M570-067
PROJECT #:BRO M570-067
33

FLING CERTIFICATION: DAY OF 2024, AT M., DEPT. SIGNED OF THE COUNTY LAND SURVEYS/RIGHT OF WAY SURVEYS AT PAGE , RECEPTION NUMBER Q:\12024\CO-9679-24 Greeley - 23rd and 5th St Box Culvert\Project Data\Design\Right_of_Way\TCE Exhibit\CO-9679-24-TCE Exhibit.11/14/2024 3:29:40 PM Sean Fahey



Colorado Department of Transportation
10601 West 10th Street
Greeley, CO 80634
Phone: 970-350-2173
FAX: 970-350-2223

Region 4 Right of Way

Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials



SCALE 1" = 1'



Temporary Construction Easement Exhibit				
Plan Sheet				
Project Number: BRO M570-067				
Project Location: 5th Street, between 23rd Ave. & 21st Ave. Greeley, CO				
Project Code: 24892	Last Mod. Date:	Subset: 1.01 to 1.01	Sheet No.: 1.01	



DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

TEMPORARY CONSTRUCTION EASEMENT EXHIBIT

5TH STREET BRIDGE IMPROVEMENTS

PROJECT NO.: BRO M570-067

WELD COUNTY

Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication. Existing features are shown as screened weight (gray scale). Proposed of new features are shown as full weight without screening.

- General Notes:
- This Temporary Construction Easement Exhibit is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.
 - For title information, The Colorado Department of Transportation relied on Warranty Deed Reception No. 2471111, and Special Warranty Deed Reception No. 4080283 prepared by Western States Land Services for Horrocks.
 - This plan set is subject to change and the information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover 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.

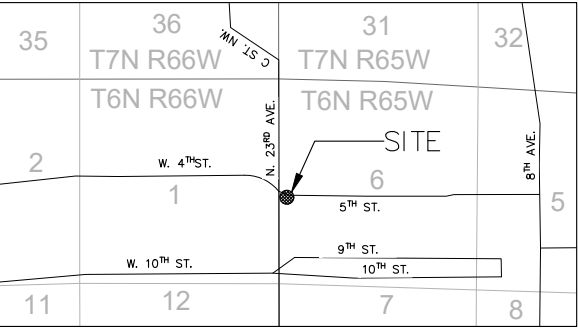
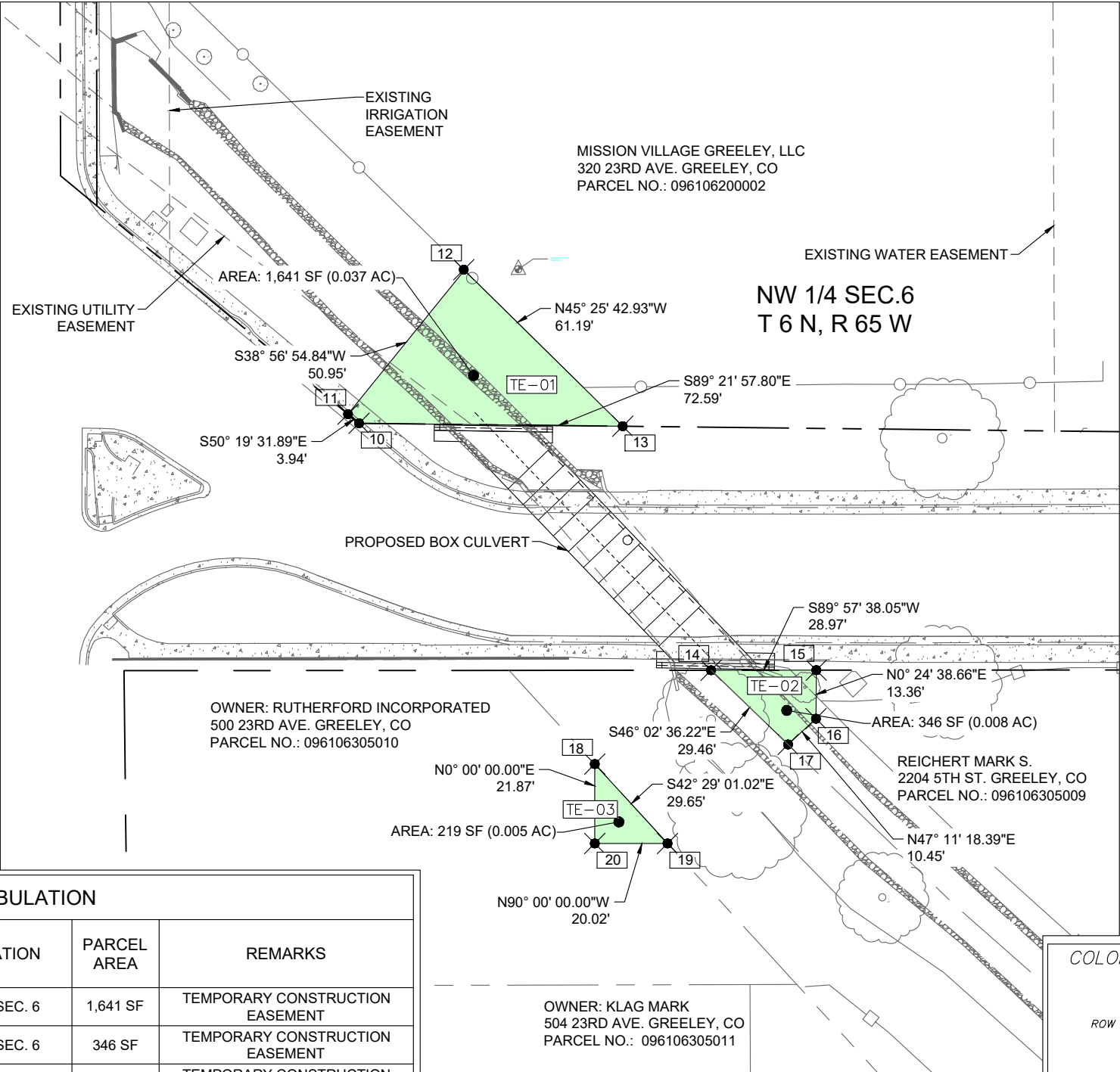
Basis of Bearings: the west line of the northwest quarter of section 6, township 5 north, range 65 west of the 6th p.m., being monumented on the north end by a 3.25 inch aluminum cap marked "pls 10855" and at the south end by a 3.25 inch aluminum cap marked "ls 22098, 1997" is assumed to bear south 00°07'47" east a distance of 2659.66 feet.

Elevation Datum: navd88 based on static gps observations conducted on june 4, 2024 and confirmed through n.g.s. online positioning user service on control point 1, having an elevation of 4686.88'.

Coordinate Datum: project coordinates are colorado state plane north zone nad83 (2011) using a scale factor of 1.0002596 / 0.9997405 about control point 1.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover 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.

TEMPORARY CONSTRUCTION EASEMENT TABULATION					
PARCEL NO.	OWNER	ADDRESS	LOCATION	PARCEL AREA	REMARKS
TE-01	MISSION VILLAGE GREELEY, LLC	320 23RD AVE. GREELEY, CO	NW ¼ SEC. 6	1,641 SF	TEMPORARY CONSTRUCTION EASEMENT
TE-02	REICHERT MARK S.	2204 5TH ST. GREELEY, CO	NW ¼ SEC. 6	346 SF	TEMPORARY CONSTRUCTION EASEMENT
TE-03	RUTHERFORD INCORPORATED	500 23RD AVE. GREELEY, CO	NW ¼ SEC. 6	219 SF	TEMPORARY CONSTRUCTION EASEMENT



TEMPORARY EASEMENT POINTS			
Point No.	Northing	Easting	Description
10	1400001.58	3218391.53	TEMPORARY CONSTRUCTION EASEMENT
11	1400004.09	3218388.50	TEMPORARY CONSTRUCTION EASEMENT
12	1400043.88	3218420.36	TEMPORARY CONSTRUCTION EASEMENT
13	1400000.77	3218464.11	TEMPORARY CONSTRUCTION EASEMENT
14	1399933.57	3218488.44	TEMPORARY CONSTRUCTION EASEMENT
15	1399933.59	3218517.41	TEMPORARY CONSTRUCTION EASEMENT
16	1399920.23	3218517.31	TEMPORARY CONSTRUCTION EASEMENT
17	1399913.13	3218509.65	TEMPORARY CONSTRUCTION EASEMENT
18	1399907.74	3218456.43	TEMPORARY CONSTRUCTION EASEMENT
19	1399885.87	3218476.45	TEMPORARY CONSTRUCTION EASEMENT
20	1399885.87	3218456.43	TEMPORARY CONSTRUCTION EASEMENT

COLORADO DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY PROJECT

ROW PLANS AUTHORIZED: _____ DATE _____

Colorado Dept. of Transportation Chief Engineer

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FLING CERTIFICATION: DEPOSITED THIS _____ DAY OF _____, 20____, AT _____ M., IN BOOK _____ OF THE COUNTY LAND SURVEYS/RIGHT OF WAY SURVEYS AT PAGE _____, RECEPTION NUMBER _____.

SIGNED _____ DEPT. _____



10601 West 10th Street
Greeley, CO 80634
Phone: 970-350-2173
FAX: 970-350-2223

Region 4Right of Way

Sheet Revisions			Sheet Revisions		
Date	Description	Initials	Date	Description	Initials



Temporary Construction Easement Exhibit				
Plan Sheet				
Project Number: BRO M570-067				
Project Location: 5th Street, between 23rd Ave. & 21st Ave. Greeley, CO				
Project Code: 24892	Last Mod. Date	Subset 1.01 to 1.01	Sheet No. 1.01	



DEPARTMENT OF TRANSPORTATION STATE OF COLORADO

TEMPORARY CONSTRUCTION EASEMENT EXHIBIT

5TH STREET BRIDGE IMPROVEMENTS

PROJECT NO.: BRO M570-067

WELD COUNTY

Note: For a complete listing of symbology used within this set of plans, please refer to the M-100-1 Standard Symbols of the Colorado Department of Transportation M&S Standards Publication. Existing features are shown as screened weight (gray scale). Proposed of new features are shown as full weight without screening.

General Notes:

1. This Temporary Construction Easement Exhibit is not a boundary survey of the adjoining property and is prepared for the Colorado Department of Transportation purposes only.
2. For title information, The Colorado Department of Transportation relied on Warranty Deed Reception No. 2471111, and Special Warranty Deed Reception No. 4080283 prepared by Western States Land Services for Horrocks.
3. This plan set is subject to change and the information contained on the attached drawing is not valid unless this copy bears an original signature of the Professional Land Surveyor hereon named

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover 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.

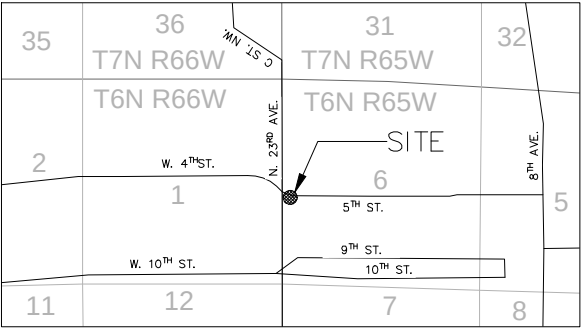
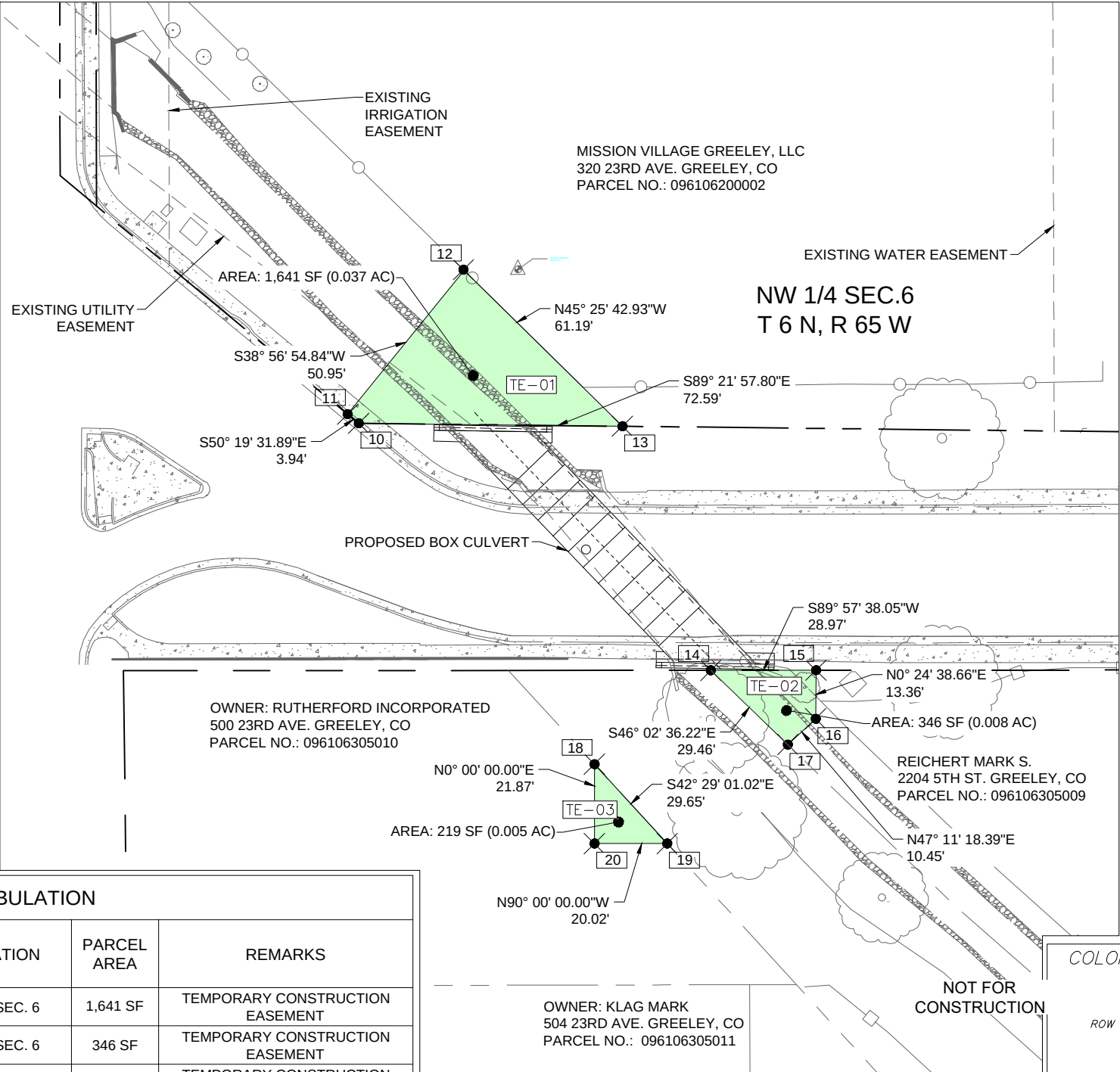
Basis of Bearings: the west line of the northwest quarter of section 6, township 5 north, range 65 west of the 6th p.m., being monumented on the north end by a 3.25 inch aluminum cap marked "pls 10855" and at the south end by a 3.25 inch aluminum cap marked "ls 22098, 1997" is assumed to bear south 00°07'47" east a distance of 2659.66 feet.

Elevation Datum: navd88 based on static gps observations conducted on june 4, 2024 and confirmed through n.g.s. online positioning user service on control point 1, having an elevation of 4686.88'.

Coordinate Datum: project coordinates are colorado state plane north zone nad83 (2011) using a scale factor of 1.0002596 / 0.9997405 about control point 1.

NOTICE: According to Colorado law you must commence any legal action based upon any defect in this survey within three years after you first discover 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.

TEMPORARY CONSTRUCTION EASEMENT TABULATION					
PARCEL NO.	OWNER	ADDRESS	LOCATION	PARCEL AREA	REMARKS
TE-01	MISSION VILLAGE GREELEY, LLC	320 23RD AVE. GREELEY, CO	NW ¼ SEC. 6	1,641 SF	TEMPORARY CONSTRUCTION EASEMENT
TE-02	REICHERT MARK S.	2204 5TH ST. GREELEY, CO	NW ¼ SEC. 6	346 SF	TEMPORARY CONSTRUCTION EASEMENT
TE-03	RUTHERFORD INCORPORATED	500 23RD AVE. GREELEY, CO	NW ¼ SEC. 6	219 SF	TEMPORARY CONSTRUCTION EASEMENT



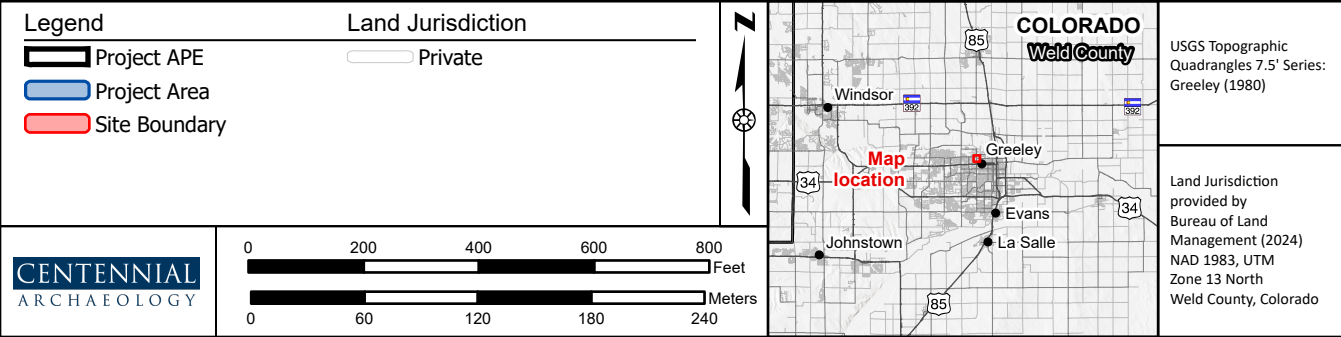
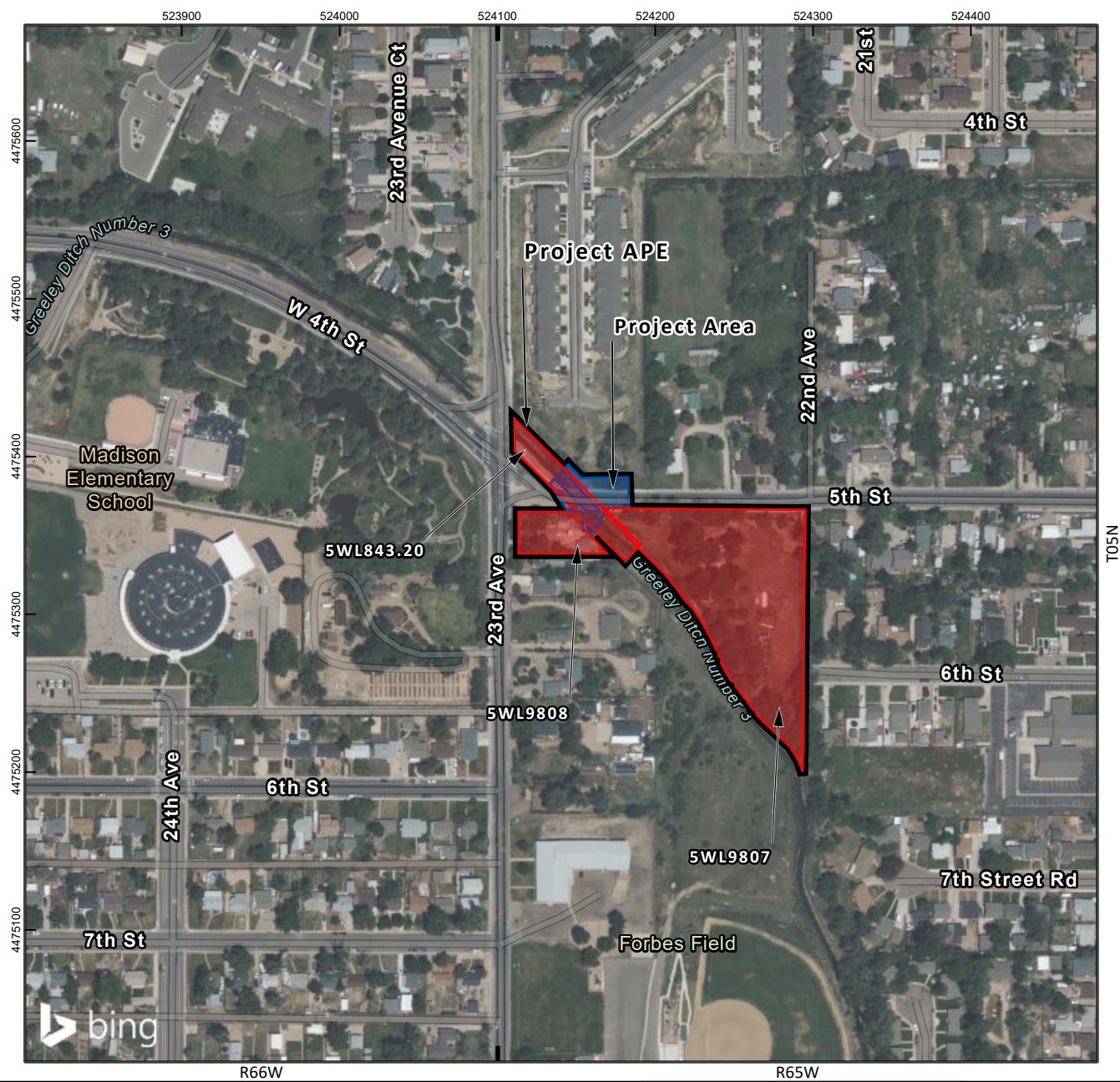
PROJECT LOCATION MAP
SCALE: 1"=5,280'

TEMPORARY EASEMENT POINTS			
Point No.	Northing	Easting	Description
10	1400001.58	3218391.53	TEMPORARY CONSTRUCTION EASEMENT
11	1400004.09	3218388.50	TEMPORARY CONSTRUCTION EASEMENT
12	1400043.88	3218420.36	TEMPORARY CONSTRUCTION EASEMENT
13	1400000.77	3218464.11	TEMPORARY CONSTRUCTION EASEMENT
14	1399933.57	3218488.44	TEMPORARY CONSTRUCTION EASEMENT
15	1399933.59	3218517.41	TEMPORARY CONSTRUCTION EASEMENT
16	1399920.23	3218517.31	TEMPORARY CONSTRUCTION EASEMENT
17	1399913.13	3218509.65	TEMPORARY CONSTRUCTION EASEMENT
18	1399907.74	3218456.43	TEMPORARY CONSTRUCTION EASEMENT
19	1399885.87	3218476.45	TEMPORARY CONSTRUCTION EASEMENT
20	1399885.87	3218456.43	TEMPORARY CONSTRUCTION EASEMENT

COLORADO DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY PROJECT

ROW PLANS AUTHORIZED: _____ DATE _____

Colorado Dept. of Transportation Chief Engineer



**Table A-1. Survey Log for the Greeley 5th Street Bridge Improvement Project:
Surveyed Resources by Smithsonian Number**

Site Number	Field Number	Address / Name	Name	NRHP Assessment
5WL.843.20	24OGR-EG-001	N/A	Greeley No. 3 Canal	Eligible – Supporting
5WL.9808	24OGR-EG-002	500 23 rd Ave, Greeley, CO 80634	Klingenberg / De Santiago Residence	Not Eligible
5WL.9807	24OGR-EG-003	2204 5 th Street, Greeley, CO 80631	Trembath / Channel Residence	Not Eligible

**Table A-2. Survey Log for the Greeley 5th Street Improvement Project:
Surveyed Resources by Address**

Address / Name	Site Number	Field Number	Name	NRHP Assessment
500 23 rd Ave, Greeley, CO 80634	5WL.9808	24OGR-EG-002	Klingenberg / De Santiago Residence	Not Eligible
2204 5 th Street, Greeley, CO 80631	5WL.9807	24OGR-EG-003	Trembath / Channel Residence	Not Eligible
N/A	5WL.843.20	24OGR-EG-001	Greeley No. 3 Canal	Eligible – Supporting

Management Data Form

A *Management Data Form* should be completed for each cultural resource recorded during an archaeological survey. Isolated finds and revisits are the exception and they do not require a *Management Data Form*. Please attach the appropriate component forms and use continuation pages if necessary. Fields can be expanded or compressed as necessary.

1. **Resource Number:** 5WL843.202. **Temporary Resource Number:** 24OGR-EG-0013. **Attachments (check as many as apply)**

- ☐ Prehistoric Archaeological Component
☐ Historic Archaeological Component
☐ Historic Architectural Component Form
☒ Linear Component
☒ Sketch/Instrument Map (required)
☒ U.S.G.S. Map Photocopy (required)
☒ Photograph(s) (required)
☐ Other, specify:

4. **Official determination (OAHPI use only)**

- ☐ Determined Eligible NR\SR _____
☐ Determined Not Eligible NR\SR _____
☐ Nominated _____
☐ Need Data NR\SR _____
☐ Contributing to NR Dist.\SR Dist. _____
☐ Not Contributing to NR Dist.\SR Dist. _____
☐ Supports overall linear eligibility NR\SR _____
☐ Does not support overall linear eligibility NR\SR _____

I. IDENTIFICATION5. **Resource Name:** Greeley No. 3 Canal6. **Project Name/Number:** 5th Street Culvert Replacement7. **Government Involvement:** ☒ Local ☒ State ☐ FederalAgency: CDOT Region 4 – 10601 10th Street, Greeley CO 80634, City of Greeley8. **Site Categories (check as many as apply):**Prehistoric: ☐ archaeological site ☐ paleontological site ☐ In existing National Register District

National Register District name:

Historic: ☐ archaeology site ☐ building(s) ☒ structure(s) ☐ object(s) ☐ In existing National Register District

National Register District name:

9. **Owner(s) Name and Address:** Greeley Irrigation Company, 3005 W 29th street, Greeley CO 8063110. **Boundary Description and Justification:** The ditch segment extends southeast from the east side of 23rd Avenue and passes beneath 5th St to terminate on the eastern edge 80 ft beyond the project area.11. **Site/Property Dimensions** Length: 113 m Width: 15 m Area: 1483 m² Acres (m²/4047): 0.37Area was calculated as: ☐ Length x Width (rectangle/square) ☐ Length x Width x 0.785 (Ellipse) ☒ GIS**II. LOCATION**12. **Legal Location**PM 6 Township 5N Range 65W Section 6 NW $\frac{1}{4}$ SW $\frac{1}{4}$

If section is irregular, explain alignment method: PLSS generated using GIS

13. **USGS Quad:** Greeley (1980),14. **County:** Weld15. **UTM Coordinates:** Datum used ☐ NAD 27 ☒ NAD 83 ☐ WGS 84 Other:16. **UTM Source:** ☒ Corrected GPS/rectified survey (<5m error) ☐ Uncorrected GPS ☐ Map template

A.	Zone	13	524110	mE	4475424	mN
B.	Zone	13	524110	mE	4475403	mN
C.	Zone	13	524181	mE	4475334	mN
D.	Zone	13	524190	mE	4475344	mN

Other (explain):

17. **Site elevation (feet):** The elevation of the segment is 4696 ft.18. **Address:** Lot: Block: Addition:19. **Location/Access:** From the intersection of 23rd Avenue and 5th Street in the City of Greeley, walk north for 15 ft. The northwestern terminus of the ditch segment is on the east side of 23rd Avenue at this point.**III. NATURAL ENVIRONMENT/SITE CONDITION**20. **General Description** (should include both on site as well as geographical setting with aspect, landforms, vegetation, soils, depositional environment, water, ground visibility): The Greeley No. 3 Ditch is 13 miles in total length and passes

Management Data Form**Resource Number:** 5WL843.20**Temporary Resource Number:** 24OGR-EG-001

through a variety of settings ranging from agricultural fields to urban and suburban corridors. The ditch diverts from the Cache la Poudre River and extends east/southeast. The segment is in a developed section of the City of Greeley and all of the land around the segment has been heavily altered through the construction of single-family homes, housing subdivisions, heavily landscaped parks, and commercial properties. Vegetation is variable and largely consists of assorted grasses and forbs with riparian species including cottonwood trees along the ditch. Non-native landscaping and invasive weeds are also prevalent.

21. Soil depth (cm) and description: Soils consist of silty loams.

22. Condition**a. Architectural/Structural**

- ☐ Excellent
- ☒ Good
- ☐ Fair
- ☐ Deteriorated
- ☐ Ruin

b. Archaeological/Paleontological

- ☐ Undisturbed
- ☐ Light disturbance
- ☐ Moderate disturbance
- ☐ Heavy disturbance
- ☐ Total disturbance

23. Describe condition: The ditch remains in use and is actively maintained.

24. Vandalism: ☐ Yes ☒ No

Describe: None

IV. NATIONAL/STATE REGISTER ELIGIBILITY ASSESSMENT

25. Context or Theme: Colorado History: A Context for Historic Archaeology (Church et al. 2007): Linear – Water

26. Applicable National Register Criteria:

- ☒ A. Associated with events that have made a significant contribution to the broad pattern of our history
- ☐ B. Associated with the lives of persons significant in our past
- ☐ C. Embodies the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction
- ☐ D. Has yielded, or may be likely to yield, information important in history or prehistory
- ☐ Does not meet any of the National Register criteria
- ☐ Qualifies under exceptions A through G. List exception(s):

27. Applicable State Register Criteria:

- ☒ A. Property is associated with events that have made a significant contribution to history
- ☐ B. Property is connected with persons significant in history
- ☐ C. Property has distinctive characteristics of a type, period, method of construction or artisan
- ☐ D. Property is of geographic importance
- ☐ E. Property contains the possibility of important discoveries related to prehistory or history
- ☐ Does not meet any of the State Register criteria

28. Area(s) of significance: Agriculture, Settlement, Community Planning & Development

29. Period(s) of significance: 1870s – 1950s

30. Level of significance: ☐ National ☒ State ☒ Local

31. Statement of significance: The Greeley No. 3 Canal in its entirety was first documented in 1983 by CDOT. It was later redocumented in 1997 by the City of Greeley Museums. During the previous recordings, the ditch was evaluated as eligible for the NRHP under Criterion A due to associations with the urban and agricultural development of the Union Colony and the City of Greeley. The ditch is also associated with the 1874 water conflict between the cities of Greeley and Fort Collins that resulted in the development of the Colorado System of water rights control and adjudication. Official OAHF concurrence with this determination was made in August of 1984. It is presumed that it was found to be not eligible under Criterion B due to a lack of direct associations between this specific ditch and the historically significant persons (e.g. Nathan C. Meeker and Horace Greeley) who were instrumental in the establishment of the Union Colony. It is thought to be non-significant under Criterion C due to extensive modifications consistent with the continual use and maintenance of the structure. Such modifications include converting portions of what was originally an open earthen channel to buried structures to account for urban growth and development as well as the creation of many new bridges and culverts. Further investigation of the ditch is unlikely to yield additional information important to understanding the history of the Union Colony, the establishment of water rights, or the physical construction of ditches in the area, and the larger site is presumed to be not eligible under Criterion D. No new information was uncovered during the current investigation that would alter the previous NRHP

Management Data Form**Resource Number:** 5WL843.20**Temporary Resource Number:** 24OGR-EG-001

determinations, and Centennial recommends that the ditch as a whole continues to be eligible for the NRHP under Criterion A.

Segment 5WL843.20 is evaluated as supporting the NRHP eligibility of the larger resource. No changes in alignment were found during archival research. The structure remains an open channel and, while it was dry at the time of this recording, is well-maintained and functional. The ditch continues to facilitate the transfer of water from the Cache la Poudre River to the City of Greeley. It is evaluated as retaining sufficient integrity of location, association, design, and feeling to support that eligibility. Integrity of setting has been somewhat diminished by the development of the surrounding area. Integrity of materials and workmanship have been diminished by the continual use and maintenance of the ditch as well as the installation of the stone lining and numerous turnouts and modern culverts and bridges.

32. Statement of historic integrity related to significance: See segment assessment above.

33. National Register Eligibility Field Assessment: ☒ Eligible ☐ Not eligible ☐ Need data
Linear Segment Evaluation (if applicable): ☒ Supporting ☐ Non Supporting

34. Status in an Existing National Register District: ☐ Contributing ☐ Non-contributing

35. State Register Eligibility Field Assessment: ☒ Eligible ☐ Not eligible ☐ Need data

36. Status in an Existing State Register District: ☐ Contributing ☐ Non-contributing

37. National/State Register District Potential: ☐ Yes ☒ No Describe: While multiple ditches are present in the larger area, such structures are common throughout the region and lack the cohesive contextual information necessary to delineate a district.

38. Cultural Landscape Potential: ☐ Yes ☒ No Describe: This linear site does not qualify as a cultural landscape.

39. If Yes to either 37 or 38, is this site: ☐ Contributing ☐ Non-contributing Explain: N/A

V. MANAGEMENT AND ADMINISTRATIVE DATA

40. Threats to Resource: ☐ Water erosion ☐ Wind erosion ☐ Grazing ☐ Neglect ☐ Vandalism
☐ Recreation ☒ Construction ☐ Other (explain):

41. Existing protection ☒ None ☐ Marked ☐ Fenced ☐ Patrolled ☐ Access controlled
Other (specify):
Comments:

42. Local landmark designation:

43. Easement:

44. Recorder's Management Recommendations: Avoidance of any actions that would result in realignments to the ditch or compromise its ability to serve the essential function of conveying water are recommended.

VI. DOCUMENTATION

45. Previous actions accomplished at the site: ☐ Tested ☐ Partial excavation ☐ Complete excavation
Date(s):

a. Excavations:

b. Stabilization:

Date(s):

c. HABS/HAER documentation [date(s) and numbers]:

d. Other: The ditch as a whole was documented in 1984 and then 1997.

46. Known collections/reports/interviews and other references (list): Colorado Division of Water Resources water rights records.

Fogelberg, Ben.

1997 Site 5WL843. Cultural Resource Inventory Form. On file at the OAHP, History Colorado.

Rottman, Vicki

1984 Site 5WL843. Cultural Resource Inventory Form. On file at the OAHP, History Colorado.

Management Data Form

Resource Number: 5WL843.20

Temporary Resource Number: 24OGR-EG-001

47. Primary location of additional data: Colorado Division of Water Resources

48. State or Federal Permit number: OAHP Permit No. 84203

49. **Collection:** Artifact collection authorized: ☒ Yes ☐ No Were artifacts collected: ☐ Yes ☒ No

Artifact repository:

Collection method: ☐ Diagnostics ☐ Grab Sample ☐ Random Sample

Other (specify):

50. **Photograph Numbers:** 24OGR-EG-001 to 003

Files or negatives stored at: Centennial Archaeology LLC

51. **Report title:** *No report – Section 106 Determinations of Eligibility and Effects letter, Greeley 5th Street Bridge Improvement Project, City of Greeley, Weld County, Colorado. CDOT Project BRO M570-067; CDOT SA No. 24892.*

52. **Recorder(s):** Eva Garner

Date: 11/19/2024

53. **Recorder affiliation:** Centennial Archaeology LLC

Phone number/Email: 970-225-6575 / centennial@centennialarch.com

NOTE: Please attach a site map, a photocopy of the USGS 1:24000 map indicating resource location, and photographs.

Colorado Historical Society - Office of Archaeology & Historic Preservation,
1560 Broadway, Suite 400 Denver, CO 80202,
303-866-3395

COLORADO CULTURAL RESOURCE SURVEY
Linear Component Form

OAHP 1418
Rev. 11/2010

This form should be completed for each linear resource or linear segment. Use this form in conjunction with the *Management Data Form*. Call OAHP staff (303-866-5216) prior to assigning a resource number.

I. Resource Identification

1. **Resource Number:** 5WL843.20 2. **Temporary Resource Number:** 24OGR-EG-001
3. **Site Name:** Greeley No. 3 Canal
4. **Record of:** ☐ Entire resource ☒ Segment

II. Resource Description

5. **Resource Type:** ☐ Road ☐ Railroad ☐ Trail ☒ Ditch/Canal
Other (specify):

6. **Component Description:** A short segment of the Greeley No. 3 Canal was documented for this project. The ditch as a whole has been previously recorded. The description of the larger structure indicates that a variety of associated water control devices including gates, flumes, culverts, and bridges were present and varied with the surrounding landscape. Ditch lining material was also described as variable. Within Greeley city limits, the ditch is described as urban in character including concrete or stone lining, chain-link fencing, tunnels or culverts under streets, and more elaborate bridges (Fogelberg 1997).

This segment extends from the west side of 23rd Avenue, passes beneath 5th Street, and terminates approximately 30 m southeast of the project area. It is 370 ft in total length. The ditch in the segment has an average width of 14 ft and an average depth of 5 ft. It was dry at the time of this recording but appeared to be well maintained and fully functional. The bottom of the channel exhibited a mixture of sand and gravels. The sides of the channel are lined with dry-laid stone blocks. The stone is roughly cut and rectangular in form. An average of eight courses are visible above the base of the channel, but it is possible that additional courses are present buried in the sediment. Some of the stone on the top level appears to have been replaced with repurposed concrete. Corrugated metal culverts that appear modern in age drain into the ditch channel in places. The ditch passes beneath 5th Street via a prestressed concrete T-girder bridge that was constructed in 1960. It should be noted that the bridge falls under the Program Comment for Common Post-1945 Common Concrete and Steel Bridges and was not individually documented as part of this investigation.

A single feature (Feature 1) was documented within the segment. The feature is set into the north bank of the ditch and consists of a poured concrete retaining wall that extends approximately 12 ft along the channel wall. Two steel slide gate structures, both of which have locked control wheels on top, are present. The slide gate on the west end of the structure is corroded and appears older. The poured concrete wall is thinner (approximately 6 in) in this area. The eastern 4 ft of the wall is thicker (approximately 10 in) and includes the second slide gate. This structure appears to be modern and to have been recently installed. No channels are apparent, and the gates are thought to open onto buried pipes.

Reference Cited:

Fogelberg, Ben.
1997 Site 5WL843. Cultural Resource Inventory Form. On file at the OAHP, History Colorado.

7. **Original use:** Water Conveyance
8. **Current use:** Water Conveyance
9. **Modifications (describe and include dates):** The ditch was first completed in 1870 though it was enlarged in 1871, 1872, and 1873.
10. **Extent of Entire Resource:** The Greeley No. 3 Canal is 13 miles long and extends east/southeast from the south bank of the Cache la Poudre River in Section 32 of T6N-R66W.
11. **Associated Artifacts:** None
12. **Associated Features or Resources:** See component description above for a description of the documented feature.

III. Research Information

13. **Architect/Engineer:** Union Colony
Source(s) of Information: See Historical / Archival Data below

Linear Component Form

Resource Number: 5WL843.20

Temporary Resource Number: 24OGR-EG-001

14. Builder: Sebree and Bishop (initial), E.S. Nettleton (correcting errors)

Source(s) of Information: See Historical / Archival Data below

15. Date of Construction / Date Range: April – June 1870, 1871, 1872, 1873

Source(s) of Information: See Historical / Archival Data below

16. Historical / Archival Data: The archival information included below is divided into two parts. The first is a contextual history of the Greeley No. 3 Canal as a whole. The second is a segment-specific review.

Greeley No. 3 Canal: The Union Colony was the second agricultural colony in Colorado. It was organized by Nathan C. Meeker, agricultural editor of the New York Tribune and endorsed by his publisher and editor, Horace Greeley. Colonists began arriving at the site in April and May of 1870 and named their new town “Greeley” to honor the sponsoring editor. The colony’s corporate charter expired in 1880. It was not renewed, but the community would continue to grow and prosper as the City of Greeley (Rottman 1984).

A promotional circular distributed by the Union Colony in May of 1870 indicated that a system of four ditches was originally planned. The No. 1 Canal was to divert from the Cache la Poudre River in the canyon near LaPorte to irrigate highlands through Crow Creek. This structure was never built though the Larimer and Weld Canal and the Larimer County Canal would later be constructed to serve this purpose. The No. 4 Canal was to be diverted from the Big Thompson River. It too never came to fruition. The Greeley and Loveland Canal would eventually serve this purpose. Of the four major canals proposed in the 1870 circular, only the No. 2 and No. 3 were built by the Union Colony according to the original plan. It should be noted that the No. 2, which was 36 miles long and 32 ft wide, was the more significant structure from an engineering perspective. It was the first large canal built by community effort in Colorado and the first to provide such extensive irrigation. The No. 3 was completed first but was smaller, narrower, and structurally less remarkable (Rottman 1984).

The Greeley No. 3 Canal was the first large-scale irrigation project constructed by the Union Colony. It was a river bottom ditch diverted from the Cache la Poudre River for the purpose of watering the lots and gardens of the Town of Greeley (Rottman 1984). Minutes of the Union Colony Executive Committee Record Book indicate that construction began in April and was completed by June 10 of 1870. From April through the end of May, Sebree and Bishop was the contractor hired to construct the No. 3 at a rate of \$0.20 / cubic yard. Engineer E.S. Nettleton was later hired to correct initial construction errors. In July, the Union Colony began to raise funds for maintenance by assessing owners of irrigated town lots and “out of town” Colony land. Water flow through the new ditch was ultimately inadequate and enlargements began as early as 1871. Believing in the richness of the soil and the utility of the ditch in providing water, the Union Colony invested \$6,333 in the No. 3 and over \$8,700 in the larger No. 2. Combined these irrigation projects represented almost 40% of Colony expenses excluding the initial land purchases (Fogelberg 1997).

Agricultural development in northeastern Colorado grew exponentially in the early 1870s. During the dry summer of 1874, conflict erupted between the Union Colony and the Agricultural Colony of Fort Collins. Fort Collins diverted large amounts of water into newly constructed canals resulting in a lack of available water for downstream users. Because the No. 3, which was no longer able to obtain sufficient water from the river due to these appropriations, was used to provide water to trees and lawns in the Union Colony / Greeley, Greeley began to dry up. After acrimonious conflict, both communities recognized the need for state regulation leading to passage of legislation in the 2nd and 3rd General Assemblies that eventually became known as the Colorado System. While the Greeley No. 3 Canal was initially designed to provide lawns and gardens in the city, by the 1990s it was primarily used to provide water for City parks (Fogelberg 1997).

Recorded Segment: No structures appear in Section 6 of T5N-R65W on the 1865 GLO survey plat for the area. The lack of potential resources on the 1865 document is consistent with the 1870 date of construction for the ditch. The 1902 Greeley 1:125,000 scale USGS topographic map shows the No. 3 Canal in place and in this general alignment at that time. No change in alignment are present on the 1910, 1933, or 1949 editions of that map. The 1950 Greeley 1:24,000 scale map shows that by then the City had expanded west to the project area. The ditch is in place and in its modern alignment indicating that the historic and modern alignments are identical. No alterations to the ditch alignment are shown on the 1965, 1970, or 1975 versions of that map. A 1948 aerial image of the area confirms the alignment of the ditch at that time. The structure is an open channel. It is not clear if it was lined at that point or not. While the roads in the area, including both 5th Street and 23rd Avenue are in their extant alignments, they appear to have been graveled rather than paved. No changes to the ditch are discernable on 1949, 1956, 1969, and 1978 aerials of the area (HistoricAerials.com 2024). None of the aerials are clear enough to definitively show when the stone lining of the ditch was installed.

Linear Component Form

Resource Number: 5WL843.20

Temporary Resource Number: 24OGR-EG-001

References Cited:

Fogelberg, Ben.

1997 Site 5WL843. Cultural Resource Inventory Form. On file at the OAHP, History Colorado.

Historicaerials.com

2024 Viewer. Electronic document, <https://historicaerials.com/viewer>, accessed 11/13/2024.

Rottman, Vicki

1984 Site 5WL843. Cultural Resource Inventory Form. On file at the OAHP, History Colorado

17. Cultural Affiliation and Justification: Euro-American; based on the members of the Union Colony who constructed the resource in 1870.

IV. Management Recommendations

18. Eligibility of Entire Resource

☒ Eligible ☐ Not Eligible ☐ Need Data Is this an official determination? ☒ Yes ☐ No

Remarks / Justification: The Greeley No. 3 Canal in its entirety was first documented in 1983 by CDOT. It was later redocumented in 1997 by the City of Greeley Museums. During the previous recordings, the ditch was evaluated as eligible for the NRHP under Criterion A due to associations with the urban and agricultural development of the Union Colony and the City of Greeley. The ditch is also associated with the 1874 water conflict between the cities of Greeley and Fort Collins which resulted in the development of the Colorado System of water rights control and adjudication. Official OAHP concurrence with this determination was made in August of 1984. It is presumed that it was found to be not eligible under Criterion B due to a lack of direct associations between this specific ditch and the historically significant persons (e.g. Nathan C. Meeker and Horace Greeley) who were instrumental in the establishment of the Union Colony. It is thought to be non-significant under Criterion C due to extensive modifications consistent with the continual use and maintenance of the structure. Such modifications include converting portions of what was originally an open earthen channel to buried structures to account for urban growth and development as well as the creation of many new bridges and culverts. Further investigation of the ditch is unlikely to yield additional information important to understanding the history of the Union Colony, the establishment of water rights, or the physical construction of ditches in the area, and the larger site is presumed to be not eligible under Criterion D. No new information was uncovered during the current investigation that would alter the previous NRHP determinations, and Centennial recommends that the ditch as a whole continues to be eligible for the NRHP under Criterion A.

19. Evaluation of integrity of the segment of the entire linear resource being recorded (Complete only if "Segment" under item 4 is checked and the entire resource is marked as Eligible under item 18)

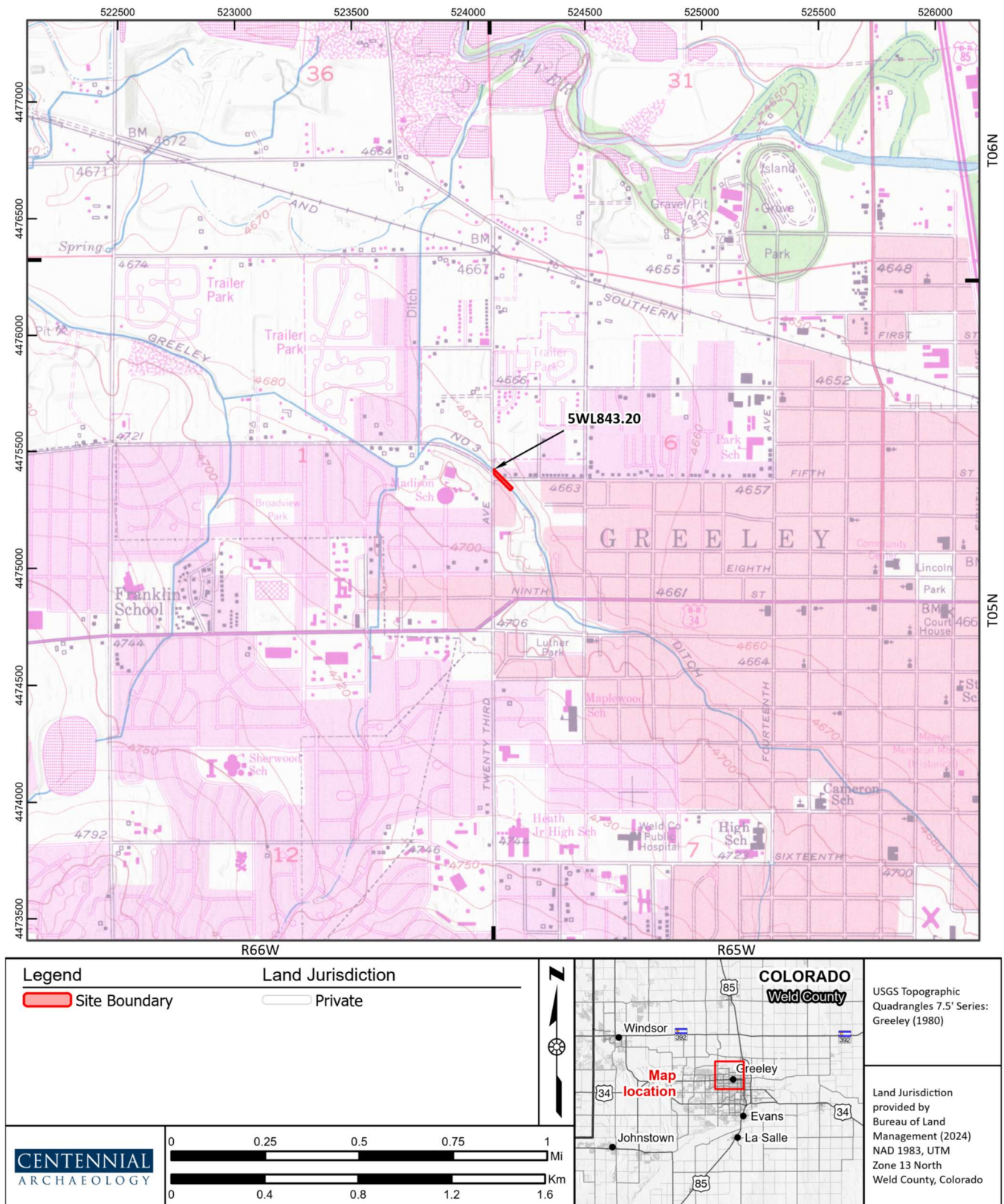
☒ Supporting ☐ Non-supporting ☐ Not applicable

Remarks / Justification: Segment 5WL843.20 is evaluated as supporting the NRHP eligibility of the larger resource. No changes in alignment were found during archival research. The structure remains an open channel and, while it was dry at the time of this recording, is well-maintained and functional. The ditch continues to facilitate the transfer of water from the Cache la Poudre River to the City of Greeley. It is evaluated as retaining sufficient integrity of location, association, design, and feeling to support that eligibility. Integrity of setting has been somewhat diminished by the development of the surrounding area. Integrity of materials and workmanship have been diminished by the continual use and maintenance of the ditch as well as the installation of numerous turnouts and modern culverts and bridges.

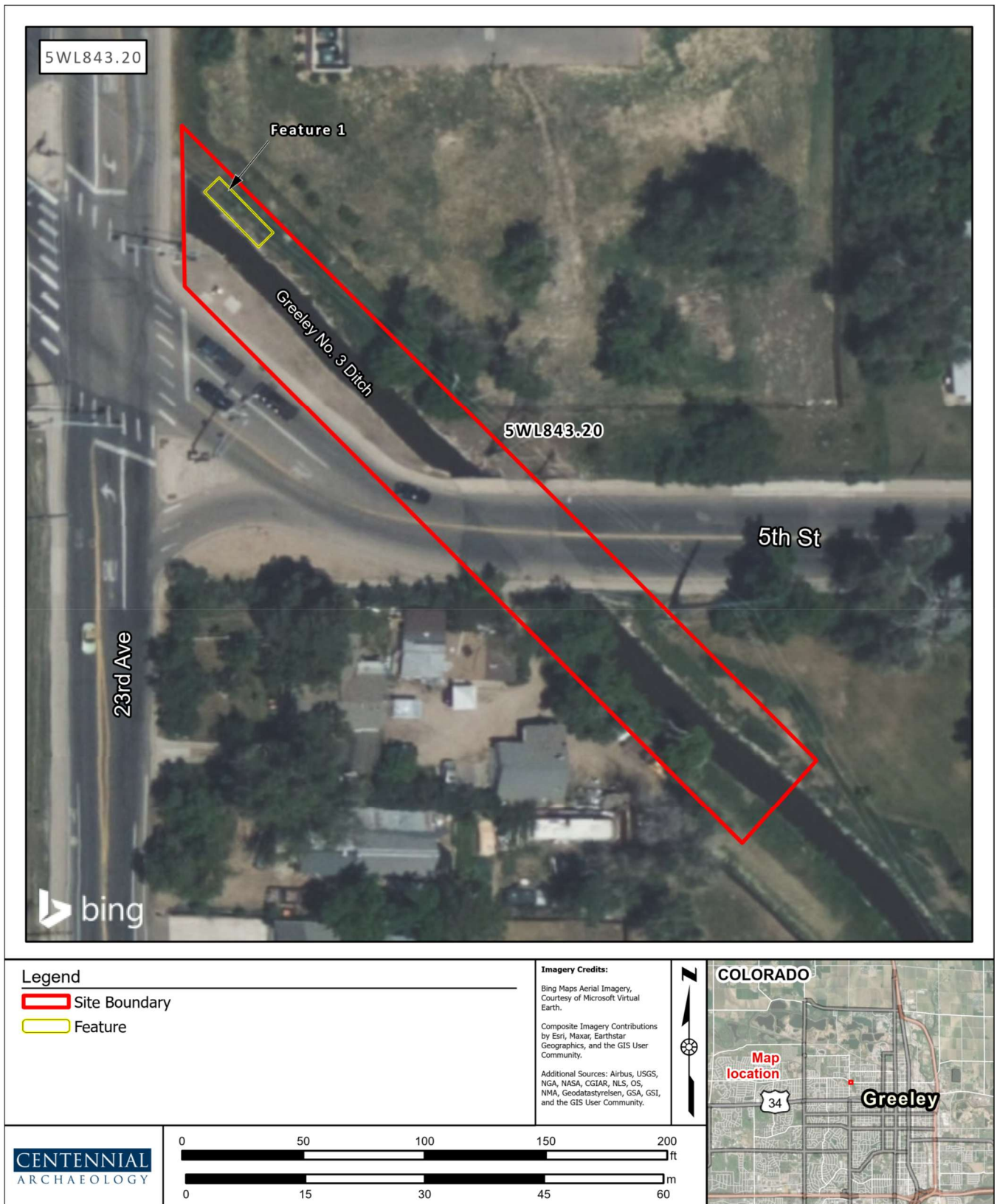
20. Recorder(s): E.Garner

21. Date: 11/19/2024

Colorado Historical Society - Office of Archaeology & Historic Preservation
1560 Broadway, Suite 400 Denver, CO 80202,
303-866-3395



USGS map at 1:24,000 scale showing location of 5WL843.20.



Plan map of 5WL843.20.



Site 5WL843.20. Overview of ditch from northwest end of segment, facing southeast. Feature 1 visible in the left foreground and the 5th Street bridge visible in background. E. Garner, 11/19/2024.



Site 5WL843.20. Overview of ditch facing southeast towards the end of the segment from the 5th Street bridge. E. Garner, 11/19/2024.



Site 5WL843.20. View of Feature 1 focusing on the older section; the modern turnout is visible on the right. Photo facing north. E. Garner, 11/19/2024.

COLORADO CULTURAL RESOURCE SURVEY

Architectural Inventory Form

Official eligibility determination
(OAHP use only)

Date _____ Initials _____
____ Determined Eligible- NR
____ Determined Not Eligible- NR
____ Determined Eligible- SR
____ Determined Not Eligible- SR
____ Need Data
____ Contributes to eligible NR District
____ Noncontributing to eligible NR District

I. IDENTIFICATION

1. **Resource number:** 5WL9807
2. **Temporary resource number:** 24OGR-EG-003
3. **County:** Weld
4. **City:** Greeley
5. **Historic building name:** Trembath / Channel Residence
6. **Current building name:** n/a
7. **Building address:** 2204 5th Street, Greeley, Colorado 80631
8. **Owner name and address:** Mark S Reichert, 2204 5th Street, Greeley, Colorado 80631

II. GEOGRAPHIC INFORMATION

9. P.M. 6 Township 5N Range 65W
NW $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 6
10. UTM reference
Zone 13; 524251 mE 4475323 mN
11. **USGS quad name:** Greeley
Year: 1983 Map scale: 7.5' X 15' ____ Attach photocopy of appropriate map section.
12. Lot(s): ____ Block: ____
Addition: ____ Year of Addition: ____
13. **Boundary Description and Justification:** The site boundary is defined by the current extent of the parcel (No. 096106305009) on file with the Weld County Assessor.

III. Architectural Description

14. **Building plan (footprint, shape):** Irregular Plan
15. **Dimensions in feet:** Length 50 ft x Width 30 ft
16. **Number of stories:** 2
17. **Primary external wall material(s):** Weatherboard – Horizontal Siding; Shingle
18. **Roof configuration:** Other Roof – Irregular
19. **Primary external roof material:** Asphalt Roof – Composition Roof
20. **Special features:** Internal ridge chimney
21. **General architectural description:** The residence (Feature 1) was built in 1899 and is generally in good repair. Access to the property was somewhat restricted at the time of this documentation. The property owner was hesitant to allow full access to the back of the parcel and he only gave a short amount of time for recording. As a result, the site was documented expediently in the field and was largely recorded from the public right-of-way.

The core of the house consists of a rectangular-plan, vernacular-style building with a partial-width front porch and a rear addition on the south elevation. It has an irregular footprint. Measurements obtained from Google Earth satellite imagery show that it is 50 ft (N/S) x 30 ft (E/W). According to Weld County Assessor's records it encompasses 1536 ft². The house is two stories high. The core has a steeply pitched, front-gable roof. A side-gable roof covers the porch, and a hipped roof is over the back addition. These three parts create an irregular roof configuration. It should be noted that the roof of the addition is lower than the principal roof, and the two roofs do not connect to create a seamless roofline.

All parts of the roof are clad with composition shingles that are weathered and have minor damage though they do appear to be modern. Dimensional lumber is visible beneath the composition shingles under the eaves. Wood soffits cover the purlins beneath the gables of the core, the porch, and the south elevation of the addition. Soffits also cover the underside of the porch roof to create a wooden ceiling. A chandelier attaches to the ceiling soffits. Wood fascias bracket the gables of the core and the porch and the south elevation of the hipped roof. Decorative, nonfunctional triangular knee braces are just under the north- and south-facing gables of the core and the north elevation of the porch. Large, rectangular attic vents are centered beneath the north and south gables of the core indicating there is attic space above the second story. A gutter system lines the south elevation of the hipped roof of the addition. Multiple metal utility pipes and vents are on the roof. A brick, interior ridge chimney emerges from the center of the core roof. The crown of the chimney is metal, and the flue is a metal pipe with a circular, single-flue metal chimney cap. Modern apron flashing is at the base. The chimney appears original to the home but the metal crown, flue, and cap are modern replacements.

Walls are clad with painted wood shingles in a plain pattern on the second floor of the core and beneath the roof gable of the porch. The walls of the principal level, the half walls of the porch, and the addition are clad with narrow lapped wood siding that does not appear to be original to the home. The shingles are painted purple and the wood siding is a very light yellow. Narrow bands of purple dimensional lumber divide the shingles and wood siding.

All windows seem to be historic elements. The windows on the core predate those of the addition. Fenestration on the core has wood frames while fenestration on the addition has metal (likely aluminum) frames. Modern storm windows cover nearly all windows of the home. On the principal level of the façade is a ribbon of three long, narrow double-hung windows. Two ribbons, which match the ribbon on the principal level, are on the second story giving the façade a symmetrical appearance. Windows on the west elevation are almost solely double-hung elements. The exceptions are a sliding window near the southwest corner and a small sliding window near the bottom of the principal level. A narrow double-hung window is between the main level and the upper story, and the small sliding window appears to be between the main level and the cellar suggesting placement on interior staircases. Fenestration on the east elevation of the core consists of two double-hung windows on the upper story and two double-hung windows on the main level. Fenestration on the east part of the south elevation of the core includes a double-hung window on the upper story and a fixed window on the principal level. The construction of the addition would have covered any windows that were present on the west part of the south elevation of the core. The windows of the addition include two pairs of casement windows on the main level of the east and west elevations; a fixed type on the main level of the south elevation; two sliding windows on the upper level of the east and west elevations; and a ribbon of four large, fixed windows on the second story of the south elevation. The ribbon covers nearly the entire wall and suggests a sunroom or enclosed deck. A large air conditioning unit extends from the first floor of the south wall of the addition. The window opening above the air conditioner is covered with plywood, but the wood window frame remains. The wood casings around the core windows and the windows on the main level of the addition are flat and painted the same deep purple as the shingles on the upper walls of the core. Ornamental wood lintels are at the top of the window casings on all elevations of the core and the first story of the addition.

The front door of the home is centered on the porch on the north elevation. It is wood-paneled. The back door was open during the field visit, and was not visible from the areas Centennial could access. It opens onto a deteriorating cement stoop and patio. Modern metal storm doors cover both doors. Near the southeast corner of the south elevation of the addition is a plywood sheet painted the same yellow as the remainder of the walls. A wood door frame surrounds the plywood suggesting a former door. Exterior cellar access is on the east elevation of the core. A thick plywood hatch door with a dimensional lumber frame provides outdoor access to the cellar.

The foundation of the core is cement with visible aggregate. The exterior of the foundation is deteriorating and several cracks were visible. The addition appears to rest on a concrete pad though

the foundation in this area was not clearly visible. The foundation on all parts of the house is painted dark purple.

The partial-length porch is the most prominent feature on the north-facing façade. The porch is positioned on the east side of the north elevation. It is rectangular and measures approximately 7 ft (N/S) x 18 ft (E/W). The porch has an open, side-gabled roof. The gable of the porch has a slightly lower pitch than that of the principal roof. As noted above, the porch roof consists of modern composition shingles covering dimensional lumber, open eaves, exposed rafters, and wood fascias enclosing the purlins of the gable. Wood soffits create the ceiling of the porch. The north-facing gable wall of the porch is clad with wood shingles that match the walls of the upper story of the core, and the walls of the porch are narrow-lapped wood siding. The porch walls are capped with dimensional lumber painted to match the light purple of the wall shingles of the core. Supporting the roof are five thick, square wood pillars that extend from the cap of the porch walls. They are painted dark purple. A set of two cement steps descend from the dimensional lumber deck of the porch to an east/west-trending cement path. A metal handrail lines the north side of the porch steps. While the foundation of the porch matches that of the core (cement with visible aggregate), a decorative band consisting of two courses of sandstone bricks lines the face of the foundation on the north elevation of the porch. The bricks are painted dark purple.

22. **Architectural style/building type:** No style – vernacular
23. **Landscaping or special setting features:** The site is on the south side of 5th Street in the City of Greeley. The area is well established with historic and modern residences on large city lots geared toward hobby farming and planned subdivisions indicative of the mid-to-late 20th century. Historic churches and schools, modern businesses, a large STEM school, and two to three townhome/apartment complexes are also in the immediate area. The Greeley No. 3 Canal (5WL843) lines the west boundary of the parcel. The property is accessible from 5th Street via a U-shaped gravel driveway in front of the house. Most parts of the property are unimproved; however, the lot is formally landscaped around the house, a vegetable garden is east of the house and driveway, and several outdoor seating areas are at the back of the property along the canal. An enclosed dog run is west of the house and north of the garage. Mature cottonwoods and other deciduous trees densely populate and provide a partial privacy screen from 5th Street. A cemetery for family pets is centrally located at the site around Features 2-5. A metal, wrought-iron fence encloses the cemetery on the north and south sides, and the east and west sides are open. Several headstones mark the burials. Modern and historical trash including structural and industrial materials, discarded yard waste and supplies, and household items, cover the southwest part of the parcel near the cargo container (Feature 6) and utility shed (Feature 5).
24. **Associated buildings, features, or objects:** Four outbuildings (Features 2-5), a cargo container (Feature 6), a low-lying canopy carport (Feature 7), and a field ditch (Feature 8) are part of the site. A polycarbonate, gable-framed greenhouse (Feature 3) is the only outbuilding that is modern; satellite imagery available through Google Earth demonstrates that it was built between 2019 and 2021. The cargo container (Feature 6) was added between 2010 and 2012, and the carport (Feature 7) between 2011 and 2013. Modern features are not further discussed.

Feature 2: The Weld County Assessor dates the single-car garage (Feature 2) to 1952. This building is south of the home near the west boundary of the property. The garage has a simple, rectangular plan and is 23 ft (N/S) x 17 ft (E/W). The front-gabled dimensional lumber roof is covered with composition shingles, and solar panels cover most of the western slope of the roof and half of the eastern slope. A satellite dish connects to the slope of the roof near the northeast corner of the building. The eaves of the roof are open with exposed rafters. Wood fascias bracket the roof gables on the north and south elevations. Walls are predominantly cinderblock set 11 courses high though spaces beneath the gables are clad with plywood. Dimensional lumber divides the cinderblocks and the fiberboards of the walls. Pockets of foam insulation are visible on all elevations where gaps in the cinderblock and fiberboards exist. Historic flood lights are underneath the gables of the roof, and an electrical meter is at the

northwest corner of the west elevation. Several plastic hoses attached with "T" connectors, a shut-off valve, and faucets are at the southwest corner of the building on the south elevation. They appear to be associated with an irrigation system in the garage. The garage door is centered on the north-facing façade. The door is comprised of wood panels and is enclosed in a wood frame and opens manually. A deteriorating wood-paneled door with metal hardware, including door hinges and knobs, allows pedestrian access to the garage at the northeast corner of the building on the north elevation. Like the vehicular door, this door is in a wood frame. Both doors appear to be original to the building. No windows are present. The garage sits on a poured concrete foundation.

Feature 4: This feature is a rectangular, wood-framed building that functions as a pumphouse and pulls water from the Greeley No. 3 Ditch. The feature measures 3 ft N/S x 6.5 ft (E/W). The roof is flat, and the eave on the east elevation overhangs the wall by approximately 3.5 ft. The eave of the west elevation is somewhat close and extends only about 4 in beyond the wall. Rafters are exposed. Composition sheeting covers the dimensional lumber of the roof. Walls are plywood sheets that are three courses. Dimensional lumber corner boards are present on all elevations. The west wall is open exposing the interior. The inside walls are insulated with egg crate shape acoustic panels to maintain stable temperatures for inside equipment. While the feature appears historic, all of the piping, which include plastic and PVC types, are modern. The electrical pump is also modern, and the pumphouse is fully operational. The base of the feature is frame-on-grade.

Feature 5: This simple outbuilding has a square plan that is 13 ft (E/W) x 12 ft (N/S) and appears to operate as a utility shed. The building has a low-pitched shed roof with open eaves and exposed rafters. Corrugated metal sheets cover the dimensional lumber of the roof. Walls are a variety of expedient materials including railroad ties at the corners, floor, and at the base of the roof; oriented strand board (OSB); and dimensional lumber. Several pieces of yard equipment, most notably wheelbarrows and seed spreaders, are against the back wall. Chairs are attached to and lay against the east wall. Tall ladders are attached to the west elevation. Beehive boxes and kits are on the roof. A tall double-hung window in a metal frame is on the north portion of the east elevation, and a horizontally oriented window opening is on the east part of the south elevation. A piece of plywood is hinged to the top of the opening and acts as a window covering. A set of dimensional lumber carriage doors in a wood frame is on the north elevation. Modern hardware, including hinges, handles, and locks are on the door. The building is frame-on-grade where railroad ties make up the base of the building and much of the exterior frame.

Feature 8: This feature is a minor field ditch that exclusively irrigates the property; no other parcels, including the property just east of the site, utilize water conveyed by the ditch. It appears that the ditch historically pulled water from Greeley No. 3 Canal for a hobby garden or small agricultural field in the 1940s and 1950s (HistoricAerials.com 2024). Originally the channel appears to have extended along the entire width (E/W) and length (N/S) of the parcel. However, no physical evidence of the channel in any other areas on the property than what is described below was found. At present, the ditch is not operational and was dry. The extant channel begins just east of the horseshoe driveway and extends east 116 ft to the northeast corner of the property where it turns south and extends for 78 ft and terminates along the east boundary of the site. The ditch in total is 194 ft long. Grass grows at the base of the channel and deciduous trees and bushes line the ditch on either side. The feature ranges in width from 2 ft to 6 ft, with an average width of 4 ft. The channel is earthen and generally has a U-shape ranging from 2 ft to 5 ft deep. On average, the ditch is 3 ft deep. Centennial did not locate any additional structures associated with the ditch.

IV. ARCHITECTURAL HISTORY

25. **Date of Construction:** Estimate: _____ Actual: 1899
Source of information: Weld County Assessor
26. **Architect:** Unknown
Source of information: N/A
27. **Builder/Contractor:** Unknown

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Source of information: N/A

28. **Original owner:** Unknown

Source of information: N/A

29. **Construction history (include description and dates of major additions, alterations, or demolitions):**

One addition is present on the rear elevation of the home. Also, modern outbuildings, including a greenhouse, cargo container, and carport, were added to the property from 2010 to 2021. Modern storm windows cover and obscure original elements on all elevations of the house. The roof is clad with modern composition shingles, and the chimney has been modified with a metal cap and flue. Lastly, the garage has been altered with modern solar panels.

30. **Original location** X **Moved** **Date of move(s):** None

V. HISTORICAL ASSOCIATIONS

31. **Original use(s):** Domestic – Single Dwelling

32. **Intermediate use(s):** Domestic – Single Dwelling

33. **Current use(s):** Domestic – Single Dwelling

34. **Site type(s):** Residential Property

35. **Historical background:** GLO Records on file with the BLM show that James Atkinson patented the property on June 10, 1872 as part of a cash sale for 84.80 acres in Lot 2 of Section 6 of T5N-R65W. Records on file with the Weld County Assessor show that the residence was constructed in 1899. While a title trace was conducted, there is a gap between the GLO patent and a sale in 1911 and the original owner remains unknown. The single-car garage was added to the property in 1952 when the Trembaths owned the property. The site is called the Trembath / Channel Residence for the longest-owning families. The historical context below includes a general context of the Greeley area and an ownership trace and accompanying archival research regarding the owners.

Area Context: In 1870, Nathan Meeker agricultural editor of the New York Tribune, organized 480 colonists and inspired them to establish the Union Colony in what was Native American territory. This project was endorsed by his publisher and editor, Horace Greeley. These individuals sought to create a community based on family, faith, sobriety, and irrigation. The colonists recognized the need to divert water for agriculture and residences from nearby rivers and caused major ditches, including the nearby Greeley No. 3 Canal to be built. The City of Greeley was officially incorporated in 1885, though it had served as the seat of Weld County since 1877 (Colorado Encyclopedia 2024). The period between 1880 and 1892 marked the most prolific period of railroad construction in the history of the state (Fraser and Strand 1997:E26). Due to the economic and social benefits associated with having a railroad stop in town, every farming or ranching center, town, and mine wanted a railroad connection (Spath 2007:407). Greeley was no exception, and the railroad was responsible for bringing more settlement to the area during the late 1800s.

The 1910s and 1920s were another period of expansion in Greeley. This expansion was part of a response to the Enlarged Homestead Act of 1909 and the Stock Raising Act of 1916 which, among other things, permitted claims of homestead parcels of up to 640 acres. Drought began to affect the area in the mid-1920s. The economic effects of the drought were compounded by the onset of the Great Depression around 1930. A substantial majority of homesteads in the region failed by some time in the early 1930s because of environmental and economic conditions. Many of the homesteaded parcels of land reverted to government ownership, while others were bought out by more successful neighbors (Carrillo 1990).

After the Great Depression and Dust Bowl years, agriculture and livestock farming again became dominant industries. Crops such as sugar beets, onions, corn, alfalfa, dry beans, oats, barley, and wheat became the main agricultural staples. Sugar beet refineries and grain mills contributed to the local economy. The boom years of the 1950s brought several businesses, schools, public institutions, industries, and post-war housing developments to the greater Greeley area. The Greeley-Capital Peak's organization of a meat processing plant in Greeley in the 1970s and the

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slightly later arrival of the Hewlett-Packard Company in 1982 brought even more growth to the area (Spooner 2021).

Ownership Trace: An ownership trace conducted through the Weld County Clerk and Recorder's office is presented in the table below followed by additional archival information about the various owners, to the extent that information could be found.

Site 5WL9807 Ownership Trace

Date	Grantor	Grantee	Deed Type	Weld Conty Reception No.
1/9/1996	Ronald F Brinkman	Mark S Reichert	Warranty Deed	2471111
10/6/1994	Shirley M Channel	Ronald F Brinkman	Personal Representatives Deed	2409909
1/23/1976	Clyde E Channel and Shirley M Channel	Shirley M Channel	Quit Claim Deed	1679594
9/26/1969	C. L. Trembath and Julia Trembath	Clyde E Channel and Shirley M Channel	Joint Tenancy Warranty Deed	1537275
4/3/1947	Reuel J Warner and Alma E Warner	C. L. Trembath and Julia Trembath	Warranty Deed	1002820
4/11/1946	Carl C Wens and Davisene Wens	Reuel J Warner and Alma E Warner	Joint Tenancy Warranty Deed	978015
3/15/1945	L B Kilbourn	Carl C Wens and Davisene Wens	Joint Tenancy Warranty Deed	952852
12/4/1940	L B Kilbourn and Lillian M Kilbourn	L B Kilbourn	Joint Tenancy Warranty Deed	860185
2/26/1931	Thos M Welsh	L B Kilbourn and Lillian M Kilbourn	Warranty Deed	613938
7/18/1929	Frank A Neill and Rispah A Neill	Thos M Welsh and Weld Co Public Trustee	Deed of Trust	569758
3/12/1927	Russel Royer and Lenore B Royer	Frank A Neill and Rispah A Neill	Warranty Deed	506967
3/15/1922	Charles A Blount	Russel Royer and Lenore B Royer	Warranty Deed	376375
9/23/1920	J E Vance	Charles A Blount	Warranty Deed	335286
10/2/1917	Anton Johnson	J E Vance	Warranty Deed	259602
7/11/1911	Frank W Wherren	Anton Johnson	Warranty Deed	168667
<i>Gap in Records</i>				
6/10/1872	United States of America	James Atkinson	Serial Patent	Accession Nr. COCOAA 043329

The 1860, 1870, and 1880 United States Census records show that James Adkinson lived in Greeley and worked as a farmer. His spouse was Harriet Atkinson, and he fathered five children: Hannah, Ida, Minnie, Belgrave, and Cora. Prior to farming in Greeley, archival research shows that Adkinson lived in Massachusetts, and a U.S. Civil War Pension filing card dated to 1863 shows he served as a Union soldier during the Civil War.

Census data shows that in 1870 Frank Wherren, his parents, and his sister Marietta, lived in Maine (US Census 1870). In 1900, Mr. Wherren was recorded as a farm worker. His spouse was Annie S.

Wherren (née Patten), and together they had three children: Harold, Hazel, and Guy (US Census 1900). It is not known if he lived on this property at that time.

The 1910 US Census indicates that Anton Johnson lived in Greeley and worked as a house carpenter and builder. In 1888, at age 21, Anton immigrated to the US from Sweden. Anton married Amanda Johnson, also a Swedish immigrant, who was the head of the household in 1910. A 1907 newspaper article said that Johnson was "getting a comfortable home of his own on 11th Avenue once the building is completed and sided." As a builder, Mr. Johnson completed that work on his own (Greeley Tribune 1907). He acquired this property in 1911.

The 1920 and 1930 US Census records show that James E. Vance lived in Greeley. He was a doctor in 1920 and as a real estate salesman in 1930. His spouse was Maude E. Vance, and they had one child, Thomas F. Vance. Archival research shows that prior to practicing medicine in Greeley, Dr. Vance worked as a physician in LaSelle, Colorado (US Census 1910). By 1940, Dr. Vance moved to California and retired (US Census 1940).

The 1920, 1930 and 1940 US Census records show that Russell Royer lived in Greeley and worked as an insurance salesman. His spouse was Lenore. Mr. Royer was drafted into World War II in the year 1942 at the age of 51. (U.S. World War II Draft Registration Card, 1942) On May 2, 1948 Mr. Royer Passed away in Greeley at the age of 57.

Per US Census records, from 1920 to 1950, Frank A. Neill was a cashier and bookkeeper in Greeley. Mr. Neill married Rispah G. Allen in 1920, and together they had two sons: Frank Asa Niell Jr. and John A Niell. Mr. Niell was drafted into World War I at the age of 22 and served as a private in the years 1917 and 1918 (U.S World War I Draft Registration cards 1917-1918). In 1942, Mr. Frank Asa Niell and his son, Frank Asa Niell Jr. were drafted into WWII. Frank Asa Sr. was 46 years old, and Frank Asa Jr. was 20 years old (U.S World War II Draft Registration Cards 1942).

The 1910, 1920, 1930, and 1950 US Census records show that Thomas M. Welsh lived in Greeley and worked as a Real Estate Broker. He married Helen Hoffman in 1907. Thomas M. Welsh was nominated and elected to be a part of the Greeley Chamber of Commerce in 1923 (Greely Tribune 1923).

The 1920 and 1930 United States Census records show that Linus B Kilbourn lived in Greeley and worked as a blacksmithing proprietor. Emma J Kilbourn was his spouse, and their son was Raymond Kilbourn. By 1940 Mr. Kilbourn and his family resided in Franklin, Colorado (US Census 1920, 1930, 1940)

Carl Cornelius Wens Jr. was born in 1920 and was drafted into World War II with his father, Carl Cornelius Wens Sr. in 1942 as residence of Ault, Colorado U.S World War II Draft Registration Cards 1942). When Mr. Wens passed away in 2003, he was buried in Greeley next to his first wife, Davisene Wens, and his parents.

The 1940 United States Census records show that Alma E. Warner and her husband Reuel J. Warner were lodgers in Greeley. Alma worked as a sales lady. Reuel and Alma married in Greeley in 1935. Reuel was a major in the United States army and served in World War II and the Korean War (U.S Headstone Application for Military Veterans 1964)

The 1940 and 1950 United States Census records show that Charles L Trembath lived in Greeley with his spouse, Julia T. Trembath his children Charles L. Trembath Jr. and Charlene J. Trembath along with his mother-in-law, Alvine Toro. Mr. Trembath worked as a truck driver in 1940 and as a manual laborer at a feed lot in 1950. In 1950, Mrs. Trembath worked as a nurse. Additionally of note, Julia and her mother, Alvine immigrated from Russia (US Census 1940, 1950).

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No information on any of the other owners of the property was found.

36. Sources of information:

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- 2021 History of Greeley, Colorado. Electronic document, <https://www.u-s-history.com/pages/h2177.html>, accessed April 21, 2021.

U.S. Census

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- 1870 9th Census of the U.S. Available through Ancestry.com. Accessed, 12/16/2024.
- 1880 10th Census of the U.S. Available through Ancestry.com. Accessed, 12/16/2024.
- 1885 11th Census of the U.S. Available through Ancestry.com. Accessed, 12/16/2024.
- 1900 12th Census of the U.S. Available through Ancestry.com. Accessed, 12/16/2024

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1910 13th Census of the U.S. Available through Ancestry.com. Accessed, 12/16/2024

1920 14th Census of the U.S. Available through Ancestry.com. Accessed, 12/16/2024

1930 15th Census of the U.S. Available through Ancestry.com. Accessed, 12/16/2024

1940 16th Census of the U.S. Available through Ancestry.com Accessed, 12/16/2024

1950 17th Census of the U.S. Available through Ancestry.com Accessed, 12/16/2024

U.S. Civil War Pension Filing Card

1863 U.S. Civil War Pension Filing Card, 1917-1918 for James Adkinson. Available through Ancestry.com. Accessed 12/16/2024.

U.S Headstone Application for Military Veterans

1964 U.S Headstone Applications for Military Veterans, 1861-1985, for Reuel J Warner, requested by spouse Alma E. Warner. Available through Ancestry.com accessed 12/16/2024

World War II Draft Registration Cards

1942 U.S. World War II Draft Registration Card for Russell E Royer. Available through Ancestry.com Accessed 12/16/2024.

World War II Draft Registration Cards

1942 U. S. World War II Draft Registration Cards, 1942 for Frank Asa Neill Sr. Available through Ancestry.com Accessed 12/16/2024.

World War II Draft Cards Young Men, 1940-1947

1942 U. S. World War II Draft Registration Card for Frank Asa Neill Jr. Available through Ancestry.com Accessed 12/16/2024.

World War II Draft Registration Cards

1942 U. S. World War II Draft Registration Cards, 1942 for Carl Cornelius Wens Sr. Available through Ancestry.com Accessed 12/16/2024.

World War II Draft Cards Young Men, 1940-1947

1942 U. S. World War II Draft Registration Cards, 1940-1947 for Carl Cornelius Wens Jr. Available through Ancestry.com Accessed 12/16/2024.

VI. SIGNIFICANCE

37. **Local landmark designation:** Yes ____ No X Date of designation: ____

Designating authority:

38. **Applicable National Register Criteria:**

- ____ A. Associated with events that have made a significant contribution to the broad pattern of our history;
- ____ B. Associated with the lives of persons significant in our past;
- ____ C. Embodies the distinctive characteristics of a type, period, or method of construction, or represents the work of a master, or that possess high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction; or
- ____ D. Has yielded, or may be likely to yield, information important in history or prehistory.
- ____ Qualifies under Criteria Considerations A through G (see Manual)
- X Does not meet any of the above National Register criteria

39. **Area(s) of significance:** n/a

40. **Period of significance:** n/a

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003

41. **Level of significance:** National ____ State ____ Local ____

42. **Statement of significance:** A modified 1899 vernacular-style house as well as a variety of outbuildings and a field ditch on the property were documented. While the residence was built in the 19th century, it postdates the initial establishment of the Union Colony and the first wave of settlement in Greeley in the 1870s and 1880s. The property is not known to be associated with the Union Colony nor was it an early or noteworthy farm individually significant to the growth and development of the Greeley area. No direct ties between this property and events/trends important to the history of the area are known to exist and the site is evaluated as not eligible under Criterion A. None of the owners were historically significant persons important to the settlement and/or economic development of the area. Instead, the families that owned the property appear to have been focused on their day-to-day lives as farmers. Site 5WL9807 is accordingly evaluated as not eligible under Criterion B. The house has been heavily modified with the construction a back addition, new roofing, and repairs to the chimney. Additionally, windows have been covered by modern storm coverings. The brackets, porch posts, and other features appear more in line with buildings constructed in the mid-20th century rather than an 1890s farmhouse. The home does not retain sufficient integrity of materials, workmanship, or design for NRHP eligibility. The historic garage, pumphouse, and field ditch, while intact, are similar to other such buildings found throughout the region. They lack structurally distinctive characteristics and a unified style, and appear to have been constructed at different points over the history of the property. None of the extant features are intact representative examples of a particular building style or method of construction and none are the work of a master or feat of engineering. Therefore, the site does not fulfill Criterion C. Further investigation of the site is unlikely to generate important or previously unknown data related to understanding life in Greeley from the 1890s through the 1970s. Site 5WL9807 is not eligible for the NRHP under Criterion D. The site is evaluated as not eligible for the NRHP. No further work is recommended.

43. **Assessment of historic physical integrity related to significance:** The property is evaluated as not eligible due in part to a loss of integrity of materials, workmanship, design, association, setting, and feeling. While integrity of location remains, it alone is insufficient to support eligibility.

VII. NATIONAL REGISTER ELIGIBILITY ASSESSMENT

44. **National Register eligibility field assessment:**

Eligible ____ Not Eligible X Need Data ____

45. **Is there National Register district potential?** Yes ____ No X

Discuss: The area has been redeveloped in recent years and exhibits a mixture of building types including historic residences and modern infill including apartment complexes. There is no potential for a cohesive, spatially defined district.

If there is National Register district potential, is this building: Contributing ____ Noncontributing ____

46. **If the building is in existing National Register district, is it:** Contributing ____ Noncontributing ____

VIII. RECORDING INFORMATION

47. **Photograph numbers:** 24OGR-EG-003 #s 1-31

Negatives filed at: Centennial Archaeology LLC

48. **Report title:** No Report – *Section 106 Determinations of Eligibility and Effects letter, Greeley 5th Street Bridge Improvement Project, City of Greeley, Weld County, Colorado. CDOT Project BRO M570-067; CDOT SA No. 24892.*

49. **Date(s):** 11/19/2024

50. **Recorder(s):** Eva Garner

51. **Organization:** Centennial Archaeology LLC

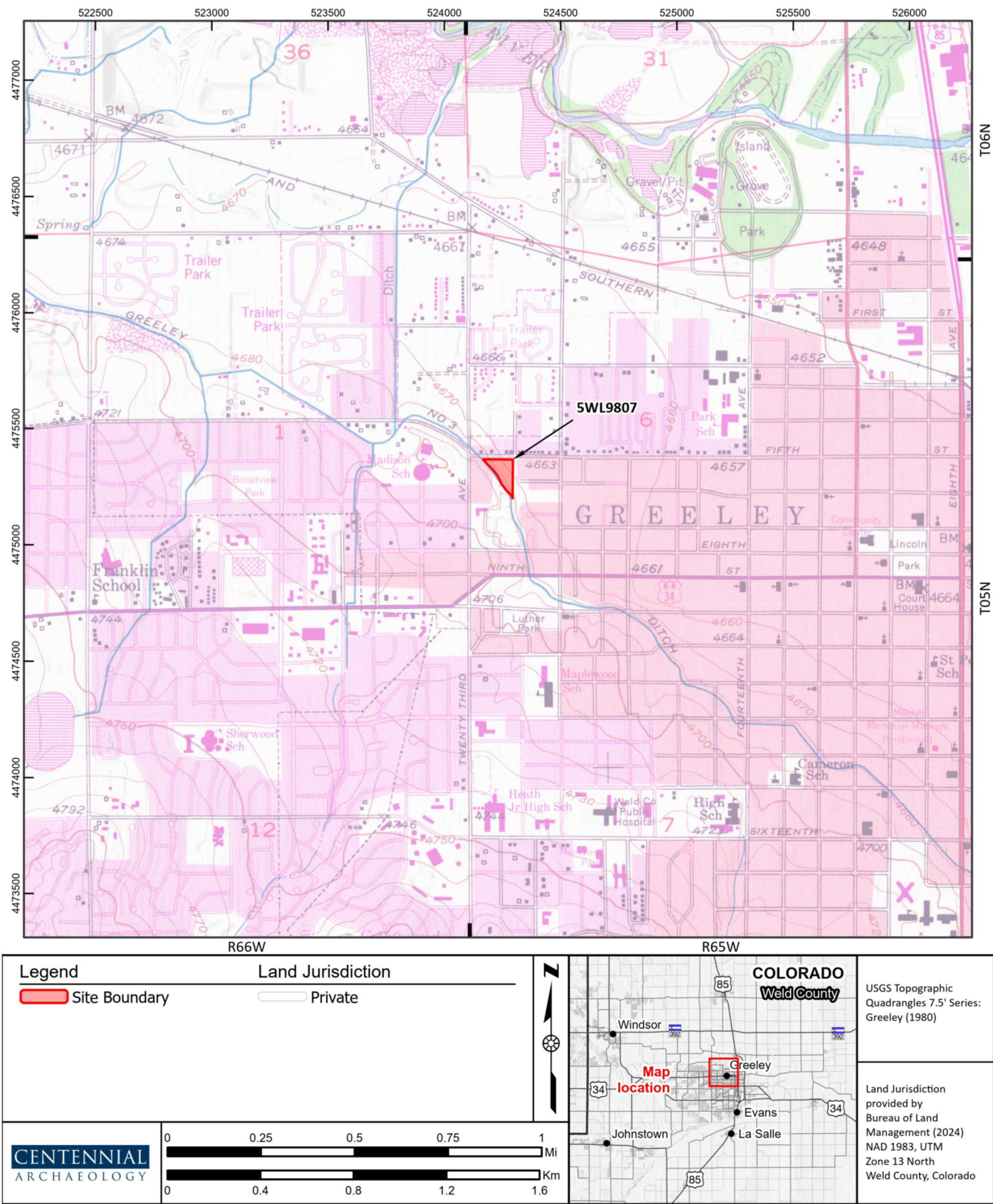
52. **Address:** 300 E Boardwalk Dr., Building 4-C, Fort Collins, CO 80525

53. **Phone number(s):** (970) 225-6575

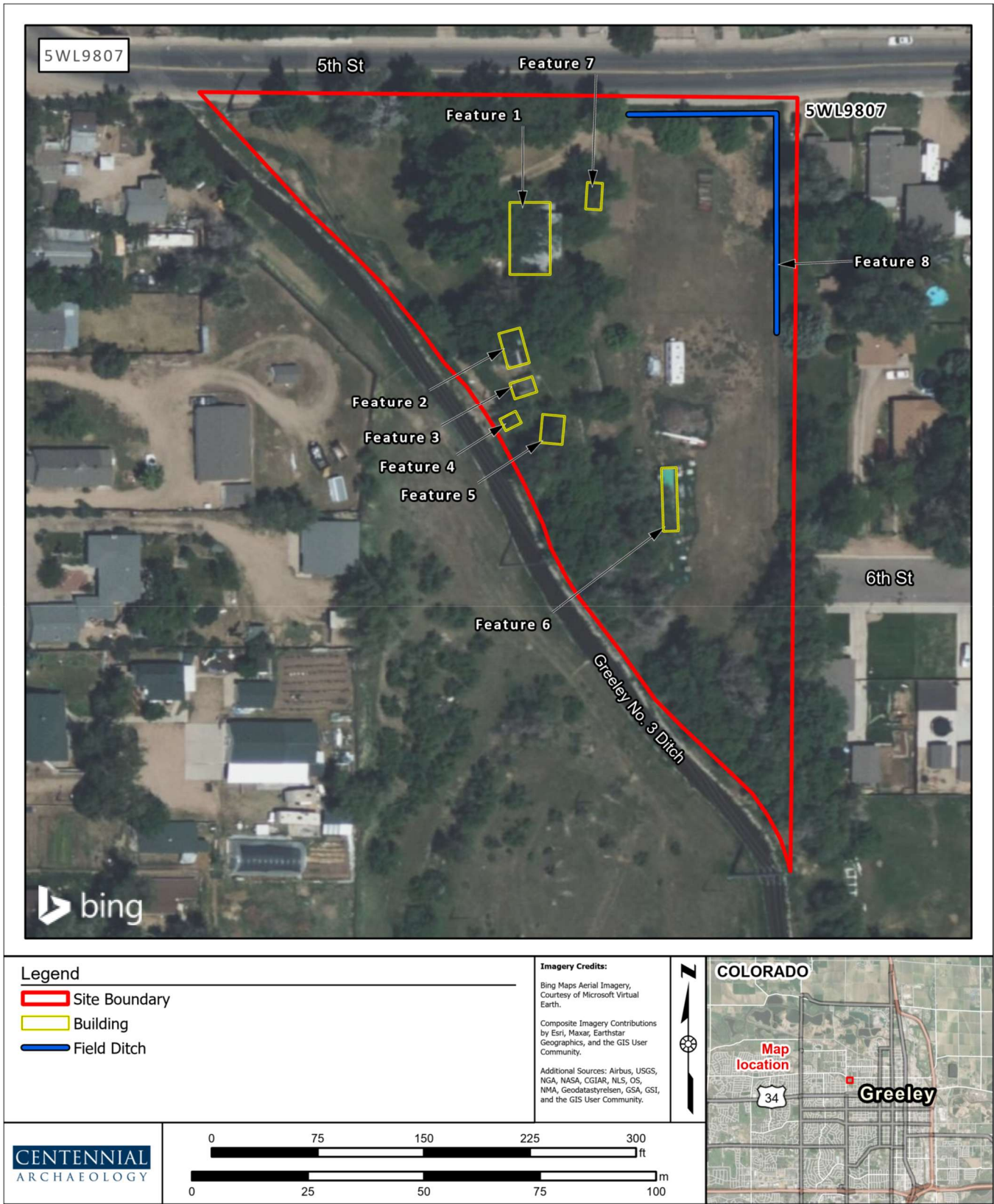
NOTE: Please include a sketch map, a photocopy of the USGS quad map indicating resource location, and photographs.

Colorado Historical Society - Office of Archaeology & Historic Preservation
1300 Broadway, Denver, CO 80203
(303) 866-3395

Resource Number: 5WL9807
Temporary Resource Number: 24OGR-EG-003



USGS map at 1:24,000 scale showing location of 5WL9807.



Plan map of 5WL9807.

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003



Site 5WL9807. Overview of the property from 5th Street, facing southwest. Photo by E. Garner, 11/19/2024.



Site 5WL9807. Overview of the property from the Greeley No. 3 Ditch, facing northeast. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003



Site 5WL9807. The north-facing façade of Feature 1 (1899 residence), facing south. Photo by E. Garner, 11/19/2024.



Site 5WL9807. The north and west elevations of Feature 1 (1899 residence), facing southeast. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003



Site 5WL9807. The south elevation of Feature 1 (1899 residence) capturing the home addition, facing north. Photo by E. Garner, 11/19/2024.



Site 5WL9807. The south and east elevations of Feature 1 (1899 residence), facing northwest. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003



Site 5WL9807. The east and north elevations of Feature 1 (1899 residence,) facing southwest. Photo by E. Garner, 11/19/2024.



Site 5WL9807. Overview of the porch on Feature 1 (1899 residence) facing west. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003



Site 5WL9807. The north elevation of Feature 2 (1952 garage), facing south. Photo by E. Garner, 11/19/2024.



Site 5WL9807. The east elevation of Feature 2 (1952 garage) and the north elevation of Feature 3 (greenhouse), facing west. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003



Site 5WL9807. The west and south elevations of Feature 2 (1952 garage), facing northeast. Photo by E. Garner, 11/19/2024.



Site 5WL9807. The south and east elevations of Feature 3 (greenhouse) and the east elevation of Feature 2 (1952 garage), facing north-northwest. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003



Site 5WL9807. The north elevation and the interior of Feature 4 (pumphouse), facing southeast. Photo by E. Garner, 11/19/2024.



Site 5WL9807. The east and north elevations of Feature 4 (pumphouse), facing southwest. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003



Site 5WL9807. The north elevation of Feature 5 (work shed), facing south. Photo by E. Garner, 11/19/2024.



Site 5WL9807. The east and south elevations of Feature 5 (work shed), facing northwest. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003



Site 5WL9807. The west elevation of Feature 5 (work shed), facing east. Photo by E. Garner, 11/19/2024.



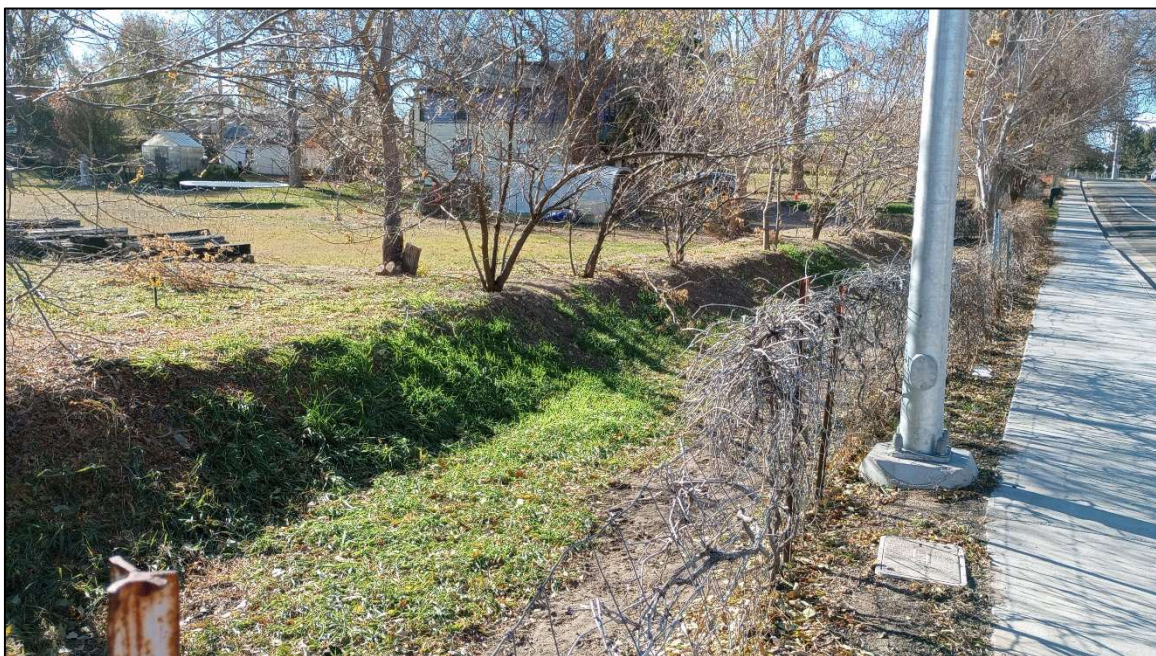
Site 5WL9807. Overview of Feature 6 (cargo container), facing northwest. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9807

Temporary Resource Number: 24OGR-EG-003



Site 5WL9807. Overview of Feature 7 (canopy carport), facing southwest. Photo by E. Garner, 11/19/2024.



Site 5WL9807. Overview of Feature 8 (field ditch), facing west. Photo by E. Garner, 11/19/2024.

COLORADO CULTURAL RESOURCE SURVEY

Architectural Inventory Form

Official eligibility determination
(OAHP use only)

Date _____ Initials _____
____ Determined Eligible- NR
____ Determined Not Eligible- NR
____ Determined Eligible- SR
____ Determined Not Eligible- SR
____ Need Data
____ Contributes to eligible NR District
____ Noncontributing to eligible NR District

I. IDENTIFICATION

1. **Resource number:** 5WL9808
2. **Temporary resource number:** 24OGR-EG-002
3. **County:** Weld
4. **City:** Greeley
5. **Historic building name:** Klingenberg / De Santiago Residence
6. **Current building name:** n/a
7. **Building address:** 500 23rd Avenue, Greeley, Colorado 80634
8. **Owner name and address:** Rutherford Incorporated, 3305 70th Avenue, Greeley, Colorado 80634

II. GEOGRAPHIC INFORMATION

9. P.M. 6 Township 5N Range 65W
NW $\frac{1}{4}$ of SW $\frac{1}{4}$ of Section 6
10. UTM reference
Zone 13; 524133 mE 4475351 mN
11. **USGS quad name:** Greeley
Year: 1983 Map scale: 7.5' X 15' _____ Attach photocopy of appropriate map section.
12. Lot(s): 1 Block: 5
Addition: Houston Heights Replat of Block 5 (West Greeley Annex) Year of Addition: 1978
13. **Boundary Description and Justification:** The GIS parcel boundary available through the Weld County Assessor is slightly offset. The site boundary is therefore comprised of the extent of the property between the Greeley No. 3 Canal, 23rd Avenue, 5th Street, and the south fence line on the ground. The boundary encompasses the buildings as well as associated yard.

III. Architectural Description

14. **Building plan (footprint, shape):** Irregular Plan
15. **Dimensions in feet:** Length 55 ft x Width 36 ft
16. **Number of stories:** 1.5
17. **Primary external wall material(s):** Weatherboard – Vertical Siding; Horizontal Siding
18. **Roof configuration:** Other Roof – Irregular
19. **Primary external roof material:** Asphalt Roof – Composition Roof
20. **Special features:** Bay Window
21. **General architectural description:** The primary residence (Feature 1) dates to 1943 according to records on file with the Weld County Assessor. It is a simple, vernacular structure with an irregular floor plan. The building has five parts: the core, a carport, and three additions on the west, north, and east elevations. Per the Assessor, the home including the carport is 55 ft (N/S) x 36 ft (E/W) and encompasses an area of 563 ft². The house has a full upper story, and the east addition has a basement that serves as an apartment. The roof is irregular in form and consists of composition shingles over dimensional lumber. These shingles appear to have been installed within the last few years. Several utility vents are present on all aspects of the roof. The primary walls are clad with vertical flush siding and horizontal channel boards. Corner wall boards are at all corners. The east elevation addition sits on a cinder block foundation, and the remaining parts of the house have poured concrete foundations.

The core had a steeply pitched front gable with a presumed south-facing facade. The three additions obscure much of the original building. Only portions of the south elevation are visible. An attic vent is visible beneath the front gable. Fenestration includes a sliding window west of the door and two tall, fixed windows that bracket the door. They extend nearly the entire height of the door. All windows on the core have vinyl frames. Last, the centrally placed wooden door has a fixed window on the upper half. It opens onto a concrete parking pad and the carport.

According to the Assessor, the west elevation measures 25 ft (N/S) x 10 ft (E/W). It is relatively small compared to the other additions. The low-pitched shed roof is covered with composition shingles. Windows are only on the west elevation of the addition, and they consist of a single-hung window and a sliding type set in vinyl frames. The sliding window is equipped with a window air conditioner. There are no doors on this addition. Aerial imagery shows that it was constructed between 1949 and 1956 (HistoricAerials.com 2024).

Weld County Assessor's data show that the north addition was built in 1987 and measures 17 ft (N/S) x 15 ft (E/W). At present, the addition houses the kitchen. On the west elevation is a pair of tall casement windows with decorative, non-functional muntins that create a 2x6 lite appearance. A sliding window is on the north elevation and is topped by a half-circle transom window. All four of the windows are in vinyl frames. A sliding glass door is on the east elevation, and four wooden steps extend from the door to the yard. Dimensional lumber rails are on either side of the steps. The sliding door is in a vinyl frame. A large air conditioning unit extends from the bottom half of the east wall just north of the door. An air conditioning cover was over the unit at the time of documentation.

The east elevation is the newest part of the building. Google Earth satellite imagery indicates it was built between 1999 and 2004. The roof has a steeply pitched side gable, and pork chop eaves line the base of the roof. Small electrical service masts for a tap line are attached to the east wall; at the base of the mast are a meter and a breaker box. A metal vent pipe for radon mitigation extends from the base of the east elevation to past the roof line. A bay window is at the northeast corner of the east elevation. It sits over the lower-level apartment entrance. A sliding window and two fixed windows make up the bay; these windows are in vinyl frames. Two additional windows are on the upper story. They include a sliding sash and a single-hung type. The sliding window has a vinyl frame, and the single-hung has a metal frame. A large casement window with a vinyl frame is on the basement level and may function as an egress. There is no casing around the window, and caulking is visible on all sides. A square dimensional lumber well surrounds the window. The sole door of the addition is on the basement level. It is a metal door with a half-circle transom window at the top. The door provides access to the basement apartment. In front of the door there are brick pavers in a basket weave pattern. Dimensional lumber stairs lead from the yard to the entrance, and dimensional lumber retaining walls bracket the stairs.

The carport extends from the south walls of the core and the east addition. It has a flat roof made of dimensional lumber covered with composition shingles. Rafters are exposed on the underside of the roof, and the eaves are close. Wooden fascia bracket the roof on all elevations. Four dimensional lumber support posts are on the south side of the carport. The structure covers a concrete pad, and the driveway terminates at the carport.

References Cited:

HistoricAerials.com

2024 Historic aerial image of East Greeley, Colorado. Electronic document, <https://www.historicaerials.com/viewer#>, accessed 12/11/2024.

22. **Architectural style/building type:** No style - vernacular
23. **Landscaping or special setting features:** The site faces onto 23rd Avenue in a well-developed area of northeastern Greeley. Historic residences, churches, and schools; modern businesses, a large STEM

school, and two to three townhome/apartment complexes are in the immediate area. The Greeley No. 3 Canal (5WL843) closely parallels the east boundary of the parcel. The property is accessed by a ribbon driveway. There is a second access point at the back of the property. It consists of a dirt and gravel driveway that is poorly maintained and gives access from 5th Street to the 1943 converted garage (Feature 2) and 1999 residence (Feature 3). The east part of the property contains a gravel and dirt parking area, and a lawn is to the west of the 1943 home. Flower beds line the west and south walls of Feature 1, the east elevation of Feature 2, and a 6-foot privacy fence at the south boundary of the lot. A picket fence lines the west boundary of the site, and bushes and trees have been planted to provide privacy from traffic on 23rd Avenue and 5th Street. The northwest corner of the parcel is terraced and reinforced with concrete walls. The terrace is above the public sidewalk. An electrical tap line is at the back of the property.

24. **Associated buildings, features, or objects:** Apart from the 1943 residence (Feature 1), two buildings that appear to be secondary residences (Feature 2 and Feature 3), a canopy carport (Feature 4), and a possible cistern (Feature 5) are present on site.

Feature 2: The second feature at the site is a single-family residence that measures 36 ft (N/S) x 22 ft (E/W) encompassing 563 ft². Assessor records indicate that the residence was built in 1943. The core of the building is thought to have been the original single-car garage associated with the 1943 residence. The single-story vernacular home has an irregular footprint and a south-facing façade. The building appears to be comprised of six parts, which include the core and east, central, west, northwest, and northeast additions. Composition shingles cover the roof. Utility vents extend from most parts of the roof illustrating residential use. Gutter systems are on the eaves of the building. Walls are clad with horizontal wooden channel siding, and at the corner are corner boards.

The multiple additions cover much of the core, and only the south elevation is exposed. The roof is a low-pitched front gable. A service mast for electricity is on the west slope, and an electrical breaker box is on the west part of the south wall. The sole door, which is the main entrance to the building, is made of wood. The door opens to a concrete sidewalk that runs along the entire length of the south elevation. A single-hung window in a weathered aluminum frame is just east of the door. It is the only window on the core. The foundation is a poured concrete pad indicative of a garage.

The east addition was likely a workshop area that was added to the core before the owners eventually converted the building to residence. The shed roof has an open eave and OSB soffits cover the rafters. A metal slope chimney with a metal chimney cap extends from the roof on the east elevation. A metal vent pipe for radon mitigation extends from the ground on the north elevation to just under the roof line. Fenestration includes a hopper type window in a vinyl frame on the south elevation and a small hopper window on the east wall. At the southeast corner of the south elevation is what appears to be a former pedestrian doorway. The opening is now covered with plywood and painted to match the remainder of the building. The door frame remains in place. The foundation is a concrete slab.

The central addition is off the west elevation of the core. The addition measures approximately 25 ft (N/S) x 7 ft (E/W). The configuration of the roof is a moderately-pitched shed. Fenestration includes a single-hung window in an aluminum frame on the south elevation and a sliding type also in an aluminum frame on the north elevation. No doors are present on this addition. The foundation is concrete.

The west addition extends from the west side of the central addition. The gabled roof is low-pitched. The seam between the two additions is delineated with a vertical board. A sliding window with an aluminum frame is on the east part of the south elevation of the addition, and a casement type is on the west elevation of the addition. A wooden hollow-core door is on the south elevation. The door opens to the concrete sidewalk and a dirt and gravel parking area. The addition is on a poured concrete foundation.

The northwest addition attaches to the north elevation of the west addition. The roof is flat. The entry is on the west elevation and is equipped with a wooden door. It opens to two parallel railroad ties that function as a step to the yard. A single-hung window is on the north elevation. It is divided into 3x2 lights with decorative wooden bars. The foundation of the addition is poured concrete.

The northeast elevation is off the north elevation of the core. The eave returns on this addition differ and are pork chop types. A small pop-out, likely for an interior storage area or closet, is on the south part of the east elevation. The only window is on the north elevation. It is a sliding element in a metal frame. No exterior doors are present.

Feature 3: This feature is a modern residence that was constructed in 1999. Because the building is modern it is not discussed further.

Feature 4: The canopy carport (Feature 4) is modern. It measures roughly 15 ft (N/S) x 10 ft (E/W) and appears to be associated with Feature 3. The carport is a gabled style, and the frame is comprised of galvanized steel bars. The modern feature is not further discussed.

Feature 5: Feature 5 is tentatively identified as a cistern, though it may be the remnants of a fountain or water feature. The above-ground height is approximately 2 ft, and the structure has a diameter of 3 ft. The inner walls are concrete and decorative stamped concrete surrounds the exterior rim. A circular concrete pad with an approximate diameter of 5 ft is at the base of the walls and acts as a foundation of sorts. Dirt fills the feature, and a PVC pipe with a small attached tube extends past the dirt by about 1.5 ft. The age of the feature is not known.

IV. ARCHITECTURAL HISTORY

25. **Date of Construction:** Estimate: _____ Actual: 1943
Source of information: Weld County Assessor
26. **Architect:** Unknown
Source of information: n/a
27. **Builder/Contractor:** Unknown
Source of information: n/a
28. **Original owner:** Matilde Sanchez
Source of information: Weld County Clerk and Recorder
29. **Construction history (include description and dates of major additions, alterations, or demolitions):**
Modifications to the site largely center on the construction of additions on both the primary residence and the converted garage. Other modifications include the building of the 1999 residence at the back of the property, the construction of the secondary driveway off 5th Street, and the gravel and dirt parking area. Alterations to the 1943 home first occurred between 1949 and 1956 with the west addition. Subsequent changes occurred in 1987 with the north addition and between 1999 and 2004 with the east addition. Between 1956 and 1969, the garage expanded to the west of the core to create a residence. Owners constructed more additions to the garage in the 2000s. The third residence was added to the locale in 1999, and around that time, the driveway was created and the lot changed to accommodate the secondary residences with a large gravel and dirt parking area. Historically, the property lay on a large parcel of land that appears to have been used as a hobby farm.
30. **Original location** X **Moved** _____ **Date of move(s):** None

V. HISTORICAL ASSOCIATIONS

31. **Original use(s):** Domestic – Single Dwelling
32. **Intermediate use(s):** Domestic – Single Dwelling
33. **Current use(s):** Domestic - Multiple Dwelling
34. **Site type(s):** Residential Property
35. **Historical background:** The historical context for this property is subdivided into two parts: a context of the history of Greeley and a history of the parcel including an ownership trace.

Area Context: In 1870, Nathan Meeker agricultural editor of the New York Tribune, organized 480 colonists and inspired them to establish the Union Colony in what was Native American territory. This project was endorsed by his publisher and editor, Horace Greeley. These individuals sought to create a community based on family, faith, sobriety, and irrigation. The colonists recognized the need to divert water for agriculture and residences from nearby rivers and caused major ditches, including the nearby Greeley No. 3 Canal to be built. The City of Greeley was officially incorporated in 1885, though it had served as the seat of Weld County since 1877 (Colorado Encyclopedia 2024). The period between 1880 and 1892 marked the most prolific period of railroad construction in the history of the state (Fraser and Strand 1997:E26). Due to the economic and social benefits associated with having a railroad stop in town, every farming or ranching center, town, and mine wanted a railroad connection (Spath 2007:407). Greeley was no exception, and the railroad was responsible for bringing more settlement to the area during the late 1800s.

The 1910s and 1920s were another period of expansion in Greeley. This expansion was part of a response to the Enlarged Homestead Act of 1909 and the Stock Raising Act of 1916 which, among other things, permitted claims of homestead parcels of up to 640 acres. Drought began to affect the area in the mid-1920s. The economic effects of the drought were compounded by the onset of the Great Depression around 1930. A substantial majority of homesteads in the region failed by some time in the early 1930s because of environmental and economic conditions. Many of the homesteaded parcels of land reverted to government ownership, while others were bought out by more successful neighbors (Carrillo 1990).

After the Great Depression and Dust Bowl years, agriculture and livestock farming again became dominant industries. Crops such as sugar beets, onions, corn, alfalfa, dry beans, oats, barley, and wheat became the main agricultural staples. Sugar beet refineries and grain mills contributed to the local economy. The boom years of the 1950s brought several businesses, schools, public institutions, industries, and post-war housing developments to the greater Greeley area. The Greeley-Capital Peak’s organization of a meat processing plant in Greeley in the 1970s and the slightly later arrival of the Hewlett-Packard Company in 1982 brought even more growth to the area (Spooner 2021).

Ownership Trace: An ownership trace conducted through the Weld County Clerk and Recorder’s office is presented in the table below. Given the 1943 date of construction on file with the Assessor, it is thought that Matilde Sanchez was the owner who had the house (Feature 1) and garage (Feature 2) constructed. In 1951, Sanchez deeded the property to John J. Klingenberg, who owned it for nearly 30 years. After his death, his son, Dean H. Klingenberg, functioned as personal representative. Dean deeded the parcel to Stella and Jamie De Santiago in 1980. Records show that Stella passed in June 2014 (Ancestry 2024). Aisha Meza, on behalf of Jamie De Santiago, transferred the property to Rutherford Incorporated in 2022. The De Santiagos lived at the property for over 40 years. The property is called the Klingenberg / De Santiago Residence after the longest-known owners.

Site 5WL9808 Ownership Trace

Date	Grantor	Grantee	Deed Type	Reception No.
5/5/2022	Stella De Santiago (Deceased) and Jamie De Santiago – Aisha Meza	Rutherford Incorporated	Personal Representative’s Deed	4825127
4/18/1989	Stella De Santiago and Jamie De Santiago	Stella De Santiago and Jamie De Santiago	Quit Claim Deed	2176691
7/25/1980	Dean H Klingenberg and the Estate of John J Klingenberg	Stella De Santiago and Jamie De Santiago	Personal Representative’s Deed	1831266

Site 5WL9808 Ownership Trace

Date	Grantor	Grantee	Deed Type	Reception No.
12/12/1951	Matilde Sanchez	John J Klingenberg	Warranty Deed	1120333
1/26/1951	Matilde Sanchez	Weld Co Public Trustee and City Finance Company	Deed of Trust	1099644
7/20/1945	Matilde Sanchez	Weld Co Public Trustee and Richard E Kealiher	Deed of Trust	959594

The 1946 Greeley City Directory confirms that a Matilda Sanchez lived at 500 23rd Ave at that time (U.S. City Directory 1946). No additional information on Ms. Sanchez was found.

John J. Klingenberg Jr. was born in 1880 in Kansas. He registered for the World War I draft on September 12, 1918. He was a 37-year-old farmer who lived in Osgood, Weld County, Colorado. His nearest relative was Ida Klingenberg. He was short, had a medium build, and had blue eyes and sandy hair (World War I Draft Registration Cards 1918). The 1920, 1930, and 1940 U.S. Censuses show him as living in Osgood in Weld County. In 1920 he was a farmer who owned his own house and was married to Ida Klingenberg. His parents were both from Germany. Ida was also from Kansas and had German immigrant parents. The couple had five sons of whom Dean was the youngest. Two of the boys were born in Iowa and the oldest was born in Kansas indicating that the couple lived in Kansas in 1906 and Iowa around 1910 before moving to Colorado prior to 1916 (U.S. Census 1920). In 1930 three of the sons including Dean still lived at home (U.S. Census 1930). In 1940, Dean was the only child still living at home. He is listed as a farmer like his father (U.S. Census 1940). Army enlistment records indicate that Dean enlisted in April of 1945 at Fort Logan (World War II Army Enlistment Records 1945). In 1950, Dean remained a farmer living in Osgood. His wife was a 25-year-old Colorado native named Betty and the couple had two sons (U.S. Census 1950). John died March 15, 1978 and was buried at the Linn Grove Cemetery in Greeley alongside his wife, Ida, who lived from 1885-1947 (Find a Grave 2024). No additional information on the family or on John's move into Greeley was found.

No information on any of the more modern owners of the property was found.

36. Sources of information:

Ancestry

- 2024 Obituary Daily Times, 1995-2016. Electronic document, <https://www.ancestry.com/search/collections/70050/records/26015553>, accessed 12/11/2024.

Carrillo, Richard F.

- 1990 Historical Archaeology Research Design. In, An Introduction to the Archaeology of Pinon Canyon, Southeastern Colorado (6 volumes), edited by W. Andrefsky, Jr. Report submitted to National Park Service-Rocky Mountain Regional Office, by Larson-Tibesar Associates, Inc., Laramie, Wyoming, and Centennial Archaeology, Inc., Fort Collins, Colorado.

Colorado Encyclopedia

- 2024 Greeley. Electronic document, <https://coloradoencyclopedia.org/article/greeley#:~:text=The%20City%20of%20Greeley%20began,Go%20West%2C%20young%20man.%E2%80%9D>, accessed 12/11/2024.

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002

Find a Grave

2024 John Klingenberg. Electronic document, findagrave.com, accessed 12/11/2024.

Fraser, Clayton B., and Jennifer H. Strand

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Spath, Carl

2007 Linear Resources. In *Colorado History: A Context for Historical Archaeology*, edited by E. Steve Cassells, pp. 387-425. Colorado Council of Professional Archaeologists, Denver.

Spooner, Alicia

2021 History of Greeley, Colorado. Electronic document, <https://www.u-s-history.com/pages/h2177.html>, accessed April 21, 2021.

U.S. Census

1920. 14th Census of the U.S. Available through Ancestry.com. Accessed, 12/11/2024.

1930 15th Census of the U.S. Available through Ancestry.com. Accessed, 12/11/2024.

1940 16th Census of the U.S. Available through Ancestry.com. Accessed, 12/11/2024.

1950 17th Census of the U.S. Available through Ancestry.com. Accessed, 12/11/2024.

U.S. City Directories – 1822-1995

1946 Greeley, Colorado Directory. Available through Ancestry.com. Accessed 12/11/2024.

World War I Draft Registration Cards

1918 U.S. World War I Draft Registration Cards, 1917-1918. Available through Ancestry.com. Accessed 12/11/2024.

World War II Army Enlistment Records

1945 U.S. World War II Army Enlistment Records, 1938-1945. Available through Ancestry.com. Accessed 12/11/2024.

VI. SIGNIFICANCE

37. **Local landmark designation:** Yes ____ No X Date of designation: ____

Designating authority:

38. **Applicable National Register Criteria:**

- ____ A. Associated with events that have made a significant contribution to the broad pattern of our history;
- ____ B. Associated with the lives of persons significant in our past;
- ____ C. Embodies the distinctive characteristics of a type, period, or method of construction, or represents the work of a master, or that possess high artistic values, or represents a significant and distinguishable entity whose components may lack individual distinction; or
- ____ D. Has yielded, or may be likely to yield, information important in history or prehistory.
- ____ Qualifies under Criteria Considerations A through G (see Manual)
- X Does not meet any of the above National Register criteria

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002

39. **Area(s) of significance:** n/a

40. **Period of significance:** n/a

41. **Level of significance:** National ____ State ____ Local ____

42. **Statement of significance:** This architectural property consists of a heavily modified 1940s residence, the associated 1940s single-car garage that was converted into a detached residence, a tertiary residence built in 1999, a canopy carport, and a possible cistern or fountain. The 1943 date of construction for the residence and the garage means the property significantly postdates the founding of the Union Colony and the early development of Greeley during the 1870s and 1880s. The property is not part of a cohesive, master-planned housing subdivision such as those that emerged later in the decade during the Post-War period. Instead, it is an isolated residential property that lacks ties with historically significant events or trends and is evaluated as not eligible under Criterion A. None of the owners are known to be historically significant individuals precluding the property from eligibility under Criterion B. The 1943 house and garage have been extensively modified through the construction of multiple additions on each building as well as the replacement of historic fabric with modern materials including roofing, windows, doors, and wall cladding. Additional buildings, including the 1999 accessory residence, have resulted in a reconfiguration of what was once a single-family lot. As it currently exists, the property is not recognizable as a 1943 single-family home with an associated detached garage. The buildings have multiple additions and lack a cohesive or identifiable architectural style. The resource does not retain sufficient integrity of materials, workmanship, design, association, setting, and feeling to support eligibility under Criterion C. Further investigation of the site is unlikely to generate important or previously unknown data related to understanding life in Greeley from the 1940s through the 1970s. The site is not eligible for the NRHP under Criterion D. The site is evaluated as not eligible for the NRHP. No further work is recommended.

43. **Assessment of historic physical integrity related to significance:** The property is evaluated as not eligible due in part to a loss of integrity of materials, workmanship, design, association, setting, and feeling. While integrity of location remains, it alone is insufficient to support eligibility.

VII. NATIONAL REGISTER ELIGIBILITY ASSESSMENT

44. **National Register eligibility field assessment:**

Eligible ____ Not Eligible X Need Data ____

45. **Is there National Register district potential?** Yes ____ No X

Discuss: The area has been redeveloped in recent years and exhibits a mixture of building types including historic residences and modern infill including apartment complexes. There is no potential for a cohesive, spatially defined district.

If there is National Register district potential, is this building: Contributing ____ Noncontributing ____

46. **If the building is in existing National Register district, is it:** Contributing ____ Noncontributing ____

VIII. RECORDING INFORMATION

47. **Photograph numbers:** 24OGR-EG-002 #s 1-29

Negatives filed at: Centennial Archaeology LLC

48. **Report title:** No Report – Eligibility and Effects Letter

49. **Date(s):** 11/19/2024

50. **Recorder(s):** Eva Garner

51. **Organization:** Centennial Archaeology LLC

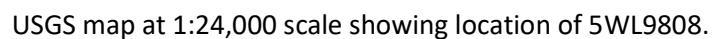
52. **Address:** 300 E Boardwalk Dr, Building 4-C, Fort Collins, CO 80525

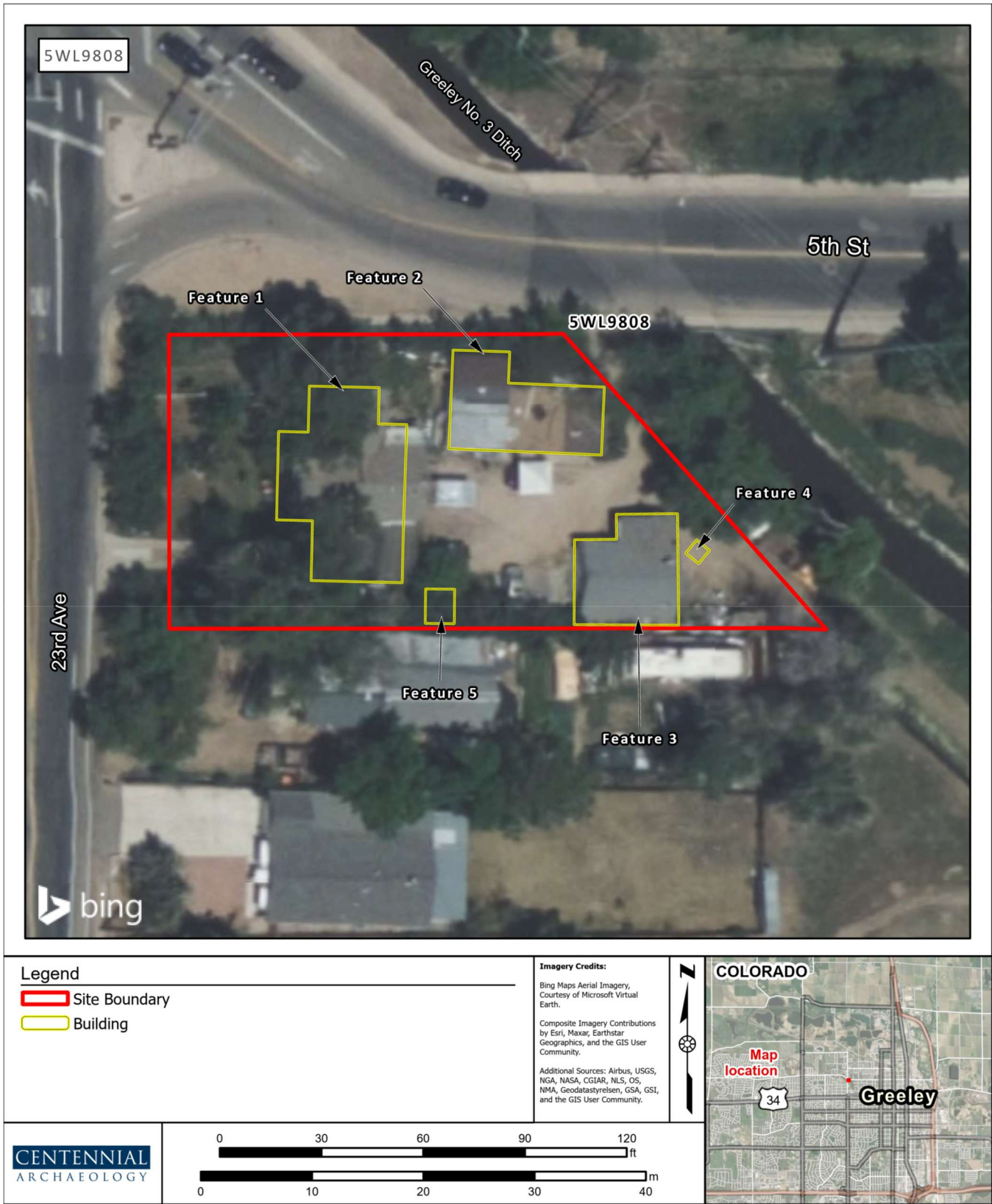
53. **Phone number(s):** (970) 225-6575

NOTE: Please include a sketch map, a photocopy of the USGS quad map indicating resource location, and photographs.

Colorado Historical Society - Office of Archaeology & Historic Preservation
1300 Broadway, Denver, CO 80203
(303) 866-3395

Temporary Resource Number: 24OGR-EG-002





Plan map of site 5WL9808.

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002



Site 5WL9808. Overview of the property from 5th Street, facing south. Photo by E. Garner, 11/19/2024.



Site 5WL9808. Overview of the property from 23rd Avenue, facing east. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002



Site 5WL9808. The south-facing façade with carport of Feature 1 (1943 residence), facing northeast. Photo by E. Garner, 11/19/2024.



Site 5WL9808. The south façade, carport, and east elevation of the east addition of Feature 1 (1943 residence), facing northwest. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002



Site 5WL9808. The west elevation of Feature 1 (1943 residence) capturing the west and north additions, facing southeast. Photo by E. Garner, 11/19/2024.



Site 5WL9808. The east and north elevations of the north addition and the north and east elevations of the east addition of Feature 1 (1943 residence), facing southwest. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002



Site 5WL9808. The east elevation of the east addition of Feature 1 (1943 residence,) facing west. Photo by E. Garner, 11/19/2024.



Site 5WL9808. Entrance to the basement apartment on the east elevation of Feature 1 (1943 residence) facing west. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002



Site 5WL9808. The south-facing façade of Feature 2 (1943 converted garage) showing the east, central, and west additions, facing north. Photo by E. Garner, 11/19/2024.



Site 5WL9808. The south and east elevations of Feature 2 (1943 converted garage) highlighting the east addition, facing northwest. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002



Site 5WL9808. The west and north elevations of Feature 2 (1943 converted garage) highlighting the west and northwest additions, facing southeast. Photo by E. Garner, 11/19/2024.



Site 5WL9808. The east and north elevations of Feature 2 (1943 converted garage) highlighting the northeast addition, facing southwest. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002



Site 5WL9808. Site overview showing the east part of the property and the north elevation of Feature 3 (1999 residence). Photo by E. Garner, 11/19/2024.



Site 5WL9808. The east and north elevations of Feature 3 (1999 residence), facing southwest. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002



Site 5WL9808. The west elevation of Feature 3 (1999 residence), facing east. Photo by E. Garner, 11/19/2024.



Site 5WL9808. The north elevation of Feature 4 (canopy carport), facing south. Photo by E. Garner, 11/19/2024.

Resource Number: 5WL9808

Temporary Resource Number: 24OGR-EG-002



Site 5WL9808. Overview of Feature 5 (possible cistern), facing southeast. Photo by E. Garner, 11/19/2024.



Site 5WL9808. Overview of Feature 5 (possible cistern), facing northwest. Photo by E. Garner, 11/19/2024.

Historic Preservation Commission Agenda Summary

February 3, 2025

Key Staff Contact: Betsy Kellums, Planner III – Historic Preservation, 970-350-9222

Title:

Historic Preservation Commission Triennial Review

Summary:

All Council-appointed Boards and Commissions undergo a triennial review every three years, and 2025 is the year for the next HPC review. The Commission will need to approve the attached questionnaire once completed and develop a work plan for the next three years by June. The Chair and/or Vice-Chair will need to attend a Council worksession in October or November 2025 to chat with Council and answer questions.

Recommended Action:

Staff recommends the Commission review the questionnaire and schedule a workshop to discuss the questionnaire and develop a work plan.

Attachments:

Questionnaire
Sample Work Plans

BOARDS AND COMMISSIONS TRIENNIAL REVIEW QUESTIONNAIRE

In 2001, Greeley voters approved an amendment to the Home Rule Charter, in Section 2-8 Appointive Boards and Commissions, to require that City Council review advisory groups every three (3) years to determine whether it continues to serve the purpose for which it was created. Ordinance No. 59, 2002, was adopted by City Council to implement the triennial review schedule for the appointive boards and commissions. In 2025 the ***Citizen Budget Advisory Committee, Citizen Transportation Advisory Board, Commission on Disabilities, Downtown Development Authority, Golf Course Advisory Board, Historic Preservation Commission, Rodarte Community Center Advisory Board, Stormwater Board, and Youth Commission*** are currently scheduled for review.

To assist the council in this process, please provide the following information by completing this form electronically, adding additional pages as necessary, and submitting the required attachments to the Clerk's Office before June 30, 2025. This questionnaire should be completed, reviewed, and approved by your Board or Commission before the June 30th deadline. Required attachments are a 3-year work plan (samples have been provided), updated bylaws (if different from those provided), and 3-year attendance records (2022-2025).

Please find the attached documents: Current Board Bylaws and reference to the Greeley Municipal Code (if applicable).

BOARD/COMMISSION NAME:	DATE PREPARED:

MEMBERS:	
1.	7.
2.	8.
3.	9.
4.	10.
5.	11.
6.	12.

Greeley City Council has identified [Seven Strategic Focus Areas](#) :

a. Business Growth:

Create economic development, assess, and evaluate the structure and organization of the economic health and housing department, transform Greeley's image, reputation and perceptions of who we are as a livable and business-oriented community.

b. Community Vitality:

Develop a sub-area planning strategy providing master plan guidance, update Metro District Standards, promote high quality development, review development code to include new overlay districts, update city entryway plan and enhance the City's code compliance program to foster neighborhood success in meeting property use and maintenance standards.

c. High Performance Government:

Committed to effective systems, strategies, structures, strategic planning, and customer service. Values of transparency, accountability, and responsible stewardship of our resources.

d. Housing for All:

The goal is for residents of all socioeconomic levels have the ability to secure quality housing choices. Through partnerships with nonprofits and local national developers we create a model for sustaining diverse housing options.

e. Infrastructure and Mobility:

Strategically plan, design, and build our urban infrastructure systems and facilities so they are attractive, safe, and high performing.

f. Quality of Life Amenities:

Develop standards for landscape maintenance, promote signature community destinations and expand programming, services and facilities that support and enrich youth development throughout the community.

g. Safe and Secure Communities:

Greeley is a community that is committed and confident we are well-prepared to respond with resources need to address emergencies and continue essential operations and services.

1. Please list your Board/Commission priorities below: (1) for the primary, (2) for secondary and provide an explanation on how they align with the Strategic Priorities found above.

1.

2.

7. Reviewing the current purpose of this board from the attached Greeley Municipal Code, define how the actions of this board are actively accomplishing this purpose.

- a. What more needs to be done to deliver this service to the community?

8. List annual workplan(s) over 2022-2025 and state what parts of the workplans were accomplished. Provide an updated 3-year (2025-2027) workplan based on the samples provided.
9. Please share specific projects, achievements, and initiatives this board has completed over the last three years (2022-2025).
10. What community events, volunteer opportunities and engagement forums do this board attend, support or facilitate? Please describe community engagement efforts over the last three years (2022-2025).
11. Are board meetings conducted in an effective manner?
12. Are meetings held according to your meeting schedule (e.g., 1st Friday of each month at 4 p.m.)?
13. Are discussions focused on the agenda topics, are topics in line with your object or goals?

14. What format are your meetings held? (In-person, virtual or hybrid)

15. Do members of the public attend meetings? If so, how many (average), how often and do they provide input?

16. What could be done to improve board meetings?

17. List additional information this board feels would be helpful to council to reauthorize this board.

18. Other comments:

Please provide the following attachments:

- **2025-2027 current work plan (see samples provided)**
- **Attendance records (2022-2025)**
- **Bylaws if different from what was provided**

Sample Work Plan #1:

Introduction

- **Purpose of the Board / Commission:** Brief statement on the board or commission's mission and its contribution to the community. Align this with council priorities.
- **Key Issues to Address:** List of the key issues the board will address, in alignment with council goals.

Projects

- **Project/Task 1:** (Insert Project)
 - **Description:** Overview of task or goal.
 - **Timing:** Estimated timeline for completion.
 - **Anticipated Outcome:** What is expected from this task, e.g., budget approval, funding secured, etc.
 - **Council Priority Alignment:** Explain how this project supports council priorities.
- **Project/Task 2:** (Insert Project)
 - **Description:** Overview of task or goal.
 - **Timing:** Estimated timeline for completion.
 - **Anticipated Outcome:** What is expected from this task, e.g., budget approval, funding secured, etc.
 - **Council Priority Alignment:** Explain how this project supports council priorities.
- **Project/Task 3:** (Insert Project)
 - **Description:** Overview of task or goal.
 - **Timing:** Estimated timeline for completion.
 - **Anticipated Outcome:** What is expected from this task, e.g., budget approval, funding secured, etc.
 - **Council Priority Alignment:** Explain how this project supports council priorities.
- **Project/Task 4:** (Insert Project)
 - **Description:** Overview of task or goal.
 - **Timing:** Estimated timeline for completion.
 - **Anticipated Outcome:** What is expected from this task, e.g., budget approval, funding secured, etc.
 - **Council Priority Alignment:** Explain how this project supports council priorities.

Sample Work Plan #2:

Introduction

- **Purpose of the Board / Commission:** Brief statement on the board or commission's mission and its contribution to the community. Align this with council priorities.
- **Key Issues to Address:** List of the key issues the board will address, in alignment with council goals.

Projects	Description	Timeline	Anticipated Outcome	Council Priority Alignment
Project/Task 1 (Insert Project)				
Project/Task 2 (Insert Project)				
Project/Task 3 (Insert Project)				
Project/Task 4 (Insert Project)				

OPERATING RULES AND PROCEDURES

GREELEY HISTORIC PRESERVATION COMMISSION

**Adopted March 14, 2016
Updated November 6, 2023**

GREELEY HISTORIC PRESERVATION COMMISSION OPERATING RULES AND PROCEDURES

I. POWERS

The Historic Preservation Commission (“Commission”) shall have all the powers and perform each and all of the duties specified by Sections 24-103 and 24-1003 of the Greeley Municipal Code, as amended, together with any other duties or authorities which may hereafter be conferred upon the Commission by the Greeley City Council. The performance of such duties and the exercises of such authority shall be subject to each and all of the limitations expressed in the Greeley Municipal Code.

The Operating Rules and Procedures are enacted consistent with the authority set forth in Sections 24-103 and 24-1003 of the Greeley Municipal Code. These Operating Rules and Procedures are not intended to restate the provisions therein. These Operating Rules and Procedures neither expand nor restrict the powers of the Commission as set forth in the Greeley Municipal Code.

II. PLACE OF BUSINESS

Administrative business of the Commission, including the filing of applications, payment of any fees and maintenance of official records regarding Commission actions, shall be conducted by the Historic Preservation Staff through the Community Development Department.

III. MEETINGS

Commission meetings will be posted consistent with public meeting laws.

The agenda for all meetings shall be prepared by designated City staff and provided to the Commission prior to any meetings.

SPECIAL MEETINGS:

The Chair of the Commission may, when necessary, upon public notice call a Special Meeting of the Commission for the purpose of transacting any business designated in the notice thereof. A “Special Meeting” is a meeting held at other than the designated dates

and times of a Regular Meeting. The notice of the Special Meeting, which has been authorized by the Chair, shall be delivered to at least 4 Commission members at least 24 hours in advance of the Special Meeting. At such Special Meeting, no business shall be considered other than as designated in the notice.

PUBLIC HEARINGS:

All public hearings shall be conducted in accordance with the protocol and procedures as set forth in the Greeley Municipal Code.

IV. MEMBERS: TENURE, OFFICERS, CONFLICTS

A. TERMS:

Appointment of the Commission members shall be by the Greeley City Council for three-year terms.

B. VACANCIES:

The Greeley City Council shall fill vacancies on the Commission in accordance with adopted Council procedures.

C. OFFICERS:

The officers of the Commission shall be a Chair and Vice Chair.

D. CHAIR:

The Chair shall preside at all meetings of the Commission. Except as otherwise authorized by resolution of the Commission, the Chair shall sign all agreements, resolutions and other items as duly authorized by the Commission.

E. VICE CHAIR:

The Vice Chair shall perform the duties of the Chair in the absence of the Chair.

F. ELECTION OF OFFICERS:

The officers of the Commission shall be elected by the Commission at the regular meeting in November of each year and shall assume his/her duties upon election. The officers shall hold the offices for one year or until successors are selected. The Commission can retain officers for multiple terms with a majority vote.

G. OFFICER VACANCIES:

Should the office of Chair or Vice Chair become vacant, the Commission shall select a successor from its membership at the next regular meeting to serve for the unexpired term of said office.

H. EX-OFFICIO MEMBERS:

A City Attorney will be the legal advisor and the Community Development Director or his/her designee will be the staff liaison to the Commission. The Recording Officer will be the Historic Preservation Staff or his/her designee.

I. CONFLICTS:

It shall be the responsibility of all Commission members to review material received prior to Commission meetings and to notify appropriate staff of possible conflicts of interest.

J. PARLIAMENTARIAN:

Advice on parliamentary procedure will be addressed by the City Attorney.

K. PUBLICITY:

Publicity on the Commission will be handled through the Historic Preservation Office.

V. ATTENDANCE POLICY

Commission members shall make every reasonable effort to attend regularly scheduled business meetings and public hearings of the Commission and will notify the Historic Preservation Staff as early as possible of any anticipated absences. Accumulating more than three (3) absences from a regular meeting without providing an excuse acceptable to the Commission within any six (6) month period shall be considered a basis for the Commission to request City Council to replace the Commissioner due to excessive absenteeism. Members are encouraged to attend special meetings; these meetings are not subject to normal attendance policies.

VI. CONDUCT OF BUSINESS

A. The business of the Commission shall be conducted in accordance with Robert's Rules of Order.

B. A quorum shall consist of four (4) members of the Commission being present and able to participate in Commission business. All administrative actions of the Commission shall be transacted by this established quorum, with the exception of public hearings for designation, which require a quorum of five (5) Commission

members. Accordingly, public hearings for design review shall require a quorum of four (4) members.

- C. Once a quorum is established at any regular business meeting or public hearing of the Commission, any action taken by a simple majority of Commission members present and voting shall be deemed and taken as the official action of the entire Commission. In the case of a tie, any motion shall fail.
- D. No member of the Commission shall abstain from voting on any matter unless that member has a direct or indirect conflict of interest in the matter before the Commission.
- E. No Commission member may tender his or her vote proxy to any other Commission member on any item.

VII. AMENDMENT OF RULES

These adopted Operating Rules and Procedures may be amended in accordance with general Commission procedure, except that any such amendment shall require the approval of at least five (5) Commission members.

Historic preservation *commission*. The historic preservation commission is established to have principal responsibility for matters of historic preservation, as specifically outlined in [section 24-1003](#).

1. *Membership*. The city council may appoint the historic preservation commission. The commission shall consist of seven members. The make-up of the commission shall be:
 - (a) One architect, landscape architect, design professional and/or licensed contractor or building tradesperson;
 - (b) One historian, archeologist and/or architectural historian;
 - (c) One licensed real estate broker; and
 - (d) Four citizens at large.
2. *Powers and duties*. The historic preservation commission shall have the following powers and duties:
 - (a) Recommend criteria and procedures for historic designation, recommend designation, or removal of specific properties or districts, and review proposals that impact designated properties as provided in [section 24-1004](#).
 - (b) Oversee surveys that document structures and assess conditions of potential historic properties and areas, and inform landowners of properties that may meet criteria for designation.
 - (c) Review and make a decision on any application for altering, moving, or demolishing any designated properties.
 - (d) Advise and assist owners of historic properties on physical and financial aspects of preservation, renovation, rehabilitation, and reuse, including nomination to the National Register of Historic Places.
 - (e) Develop and assist in public education programs, such as walking tours, brochures, and a marker program for historic properties, lectures, and conferences.
 - (f) Advise the city council on matters related to preserving the historic character of the city.
 - (g) Assist in pursuing financial assistance for preservation-related programs.
 - (h) Advise appropriate city departments on violations, enforcement and administration of [section 24-1003](#).

([Ord. No. 34, 2021](#), § 2(app. A, § 2), 9-21-2021)

Sample Work Plan #1:

Introduction

- **Purpose of the Board / Commission:** Brief statement on the board or commission's mission and its contribution to the community. Align this with council priorities.
- **Key Issues to Address:** List of the key issues the board will address, in alignment with council goals.

Projects

- **Project/Task 1:** (Insert Project)
 - **Description:** Overview of task or goal.
 - **Timing:** Estimated timeline for completion.
 - **Anticipated Outcome:** What is expected from this task, e.g., budget approval, funding secured, etc.
 - **Council Priority Alignment:** Explain how this project supports council priorities.
- **Project/Task 2:** (Insert Project)
 - **Description:** Overview of task or goal.
 - **Timing:** Estimated timeline for completion.
 - **Anticipated Outcome:** What is expected from this task, e.g., budget approval, funding secured, etc.
 - **Council Priority Alignment:** Explain how this project supports council priorities.
- **Project/Task 3:** (Insert Project)
 - **Description:** Overview of task or goal.
 - **Timing:** Estimated timeline for completion.
 - **Anticipated Outcome:** What is expected from this task, e.g., budget approval, funding secured, etc.
 - **Council Priority Alignment:** Explain how this project supports council priorities.
- **Project/Task 4:** (Insert Project)
 - **Description:** Overview of task or goal.
 - **Timing:** Estimated timeline for completion.
 - **Anticipated Outcome:** What is expected from this task, e.g., budget approval, funding secured, etc.
 - **Council Priority Alignment:** Explain how this project supports council priorities.

Sample Work Plan #2:

Introduction

- **Purpose of the Board / Commission:** Brief statement on the board or commission's mission and its contribution to the community. Align this with council priorities.
- **Key Issues to Address:** List of the key issues the board will address, in alignment with council goals.

Projects	Description	Timeline	Anticipated Outcome	Council Priority Alignment
Project/Task 1 (Insert Project)				
Project/Task 2 (Insert Project)				
Project/Task 3 (Insert Project)				
Project/Task 4 (Insert Project)				

Historic Preservation Commission

Agenda Summary

February 3, 2025

Key Staff Contact: Betsy Kellums, Planner III – Historic Preservation, 970-350-9222

Title:

Historic Preservation Month Planning

Summary:

May is Historic Preservation Month. In the past, the Commission celebrated by sponsoring a public event and giving awards for excellence in historic preservation/for contributions to historic preservation in Greeley. The 2024 event was held at Syntax Distillery and included awards and trivia.

The award nomination packet is attached.

Staff requests the Commission review the packet and suggest revisions and/or approve the packet for distribution and discuss a date for the event. The Commission would need to decide the date by the March 3rd meeting and choose a committee of two Commissioners to work with staff on planning the meeting.

Recommended Action:

Review the packet and choose an event date and choose a committee to work with staff to plan the event.

Attachments:

Historic Preservation Month Award Nomination packet



**CITY OF GREELEY
HISTORIC PRESERVATION MONTH AWARDS
PROGRAM GUIDELINES AND NOMINATION FORM**

DEADLINE – APRIL 9, 2025

Background

Section 24-1003 of the Greeley Municipal Code provides for the designation, preservation, protection, enhancement and perpetuation of those sites, structures, objects and districts which reflect outstanding elements of the City's cultural, artistic, social, ethnic, economic, political, architectural, historic, technological, institutional or other heritage. It also promotes the stabilization or improvement of aesthetic and economic vitality and values of the City's significant sites, neighborhoods, structures, objects and districts; the protection and enhancement of the City; the promotion of the use of outstanding historical or architectural sites, structures, objects and districts for the education, stimulation and welfare of the people of the City; the promotion of good urban design; and the integration of historic preservation with the City's comprehensive plan.

The Imagine Greeley Comprehensive Plan supports the promotion of local heritage by identifying structures, facilities, and areas that carry historical, cultural, architectural, or geographical significance (Historic and Cultural Resources chapter). The Historic Preservation Month Awards program promotes local history and preservation, as well as teaches the community about Greeley's historic resources.

Recognition Awards

The Commission seeks to educate the public about Greeley's historic resources, historic preservation programs and benefits and to encourage public education, interest and participation. The Historic Preservation Month Awards recognize individuals, organizations and design professionals/contractors who have served to significantly further historic preservation efforts and achievements in Greeley.

Award Categories

The Historic Preservation Commission gives an award to a Greeley representative in each of the following three categories:

- Individual – a Greeley resident who has contributed in a significant manner to the preservation or protection of local historic resources
- Organization – a Greeley business, non-profit, church or other entity that has demonstrated support for or advanced historic preservation in Greeley in a significant way
- Contractor/Design Professional – a Greeley design professional or contractor who has contributed in a significant manner to the preservation or protection of local resources

If the Commission finds there are no projects or nominees that meet the criteria, the Commission may opt to not give an award in a particular category. The nomination could relate to one specific project, multiple projects, or general preservation efforts. While the Commissioners can nominate people or projects, they particularly encourage the public to submit nominations. Please submit the following information for a nomination.

Nomination & Criteria

Please provide contact information of the individual, organization or design professional/contractor being nominated and of the nominator. A nomination could be for a specific project, or for a body of work or multiple projects by the same individual, organization or design professional/contractor, or for general preservation efforts. More than one nomination may be submitted by the same nominator.

Please also explain the preservation project(s) or contribution(s) of the individual, organization, or design professional /contractor and why they are worthy of a historic preservation award, addressing any of the criteria below that apply. Applications will be reviewed according to the following criteria:

1. Effect of the project on the architectural and historical character of the property or the area
2. Protection and preservation of the historic character of the building, site, or district, and compatibility with surrounding properties and the neighborhood
3. Effect on the protection, enhancement, perpetuation or use of the property
4. Contribution of the individual(s)/organization/contractor/design professional to the historic preservation efforts in the community
 - What were the positive impacts?
 - Was the contribution new or innovative for Greeley?
5. Promotion of understanding of local history and preservation efforts
6. Creation of a widely visible, lasting link to our community's heritage and accomplishments of the past

Please submit nominations to the Greeley Historic Preservation Office at 1100 10th Street, Greeley, CO 80631. Complete electronic nominations in a pdf format may be sent electronically to hpo@greeleygov.com. Nominations must be submitted by 12:00 p.m. on **Wednesday, April 9, 2025** to allow for review of the nominations. The Historic Preservation Commission will vote on the nominations and make presentations at the Historic Preservation Month event on **(DAY OF THE WEEK), May --, 2025 at LOCATION, ADDRESS at TIME p.m.** The event will be free and open to the public.

Please contact the Historic Preservation Office at hpo@greeleygov.com or 970.350.9222 for more information or to submit the nomination. These program guidelines are also available on the City's website at www.greeleygov.com/historicpreservation.



Historic Preservation Month Award Nomination Form

Awards are given in three categories. Below are brief descriptions of each category:

Individual: a Greeley resident who has contributed in a significant manner to the preservation or protection of local historic resources

Organization: a Greeley business, non-profit, church or other entity that has demonstrated support for or advanced historic preservation in Greeley in a significant way

Design Professional/Contractor: a Greeley design professional or contractor who has contributed in a significant manner to the preservation or protection of local resources

Check one category for this nomination:

- ☐ Individual
☐ Organization
☐ Design Professional/Contractor

Nominee Contact Information

Name of individual, organization or design professional/contractor being nominated:

Address of nominee:

Phone number of nominee: _____

Email: _____

Nominator Contact Information

Name of the nominator: _____

Address of the nominator:

Phone number of nominator: _____

Email of nominator: _____

Signature of the nominator: _____

Please explain the preservation project(s) or contribution(s) of the individual, organization, or design professional /contractor and why they are worthy of a historic preservation award, addressing any of the criteria below that apply. Applications will be reviewed according to the following criteria:

1. Effect of the project on the architectural and historical character of the property or the area
2. Protection and preservation of the historic character of the building, site, or district, and compatibility with surrounding properties and the neighborhood
3. Effect on the protection, enhancement, perpetuation or use of the property
4. Contribution of the individual(s)/organization/contractor/design professional to the historic preservation efforts in the community
 - What were the positive impacts?
 - Was the contribution new or innovative for Greeley?
5. Promotion of understanding of local history and preservation efforts
6. Creation of a widely visible, lasting link to our community's heritage and accomplishments of the past

Please submit nominations to the Greeley Historic Preservation Office at 1100 10th Street, Greeley, CO 80631. Complete electronic nominations in a pdf format may be sent electronically to hpo@greeleygov.com. Nominations must be submitted by 12:00 p.m. on **Wednesday, April 9, 2025** to allow for review of the nominations. The Historic Preservation Commission will vote on the nominations and make presentations at the Historic Preservation Month event on **(DAY OF THE WEEK), May --, 2025 at LOCATION, ADDRESS at TIME p.m.** The event will be free and open to the public.

Contact the Historic Preservation Office at hpo@greeleygov.com or 970.350.9222 for more information. The program guidelines and nomination form are also available on the City's website at: www.greeleygov.com/historicpreservation.