TOWN OF ELIZABETH

BOARD OF TRUSTEES REGULAR MEETING
Tuesday, February 11, 2025, at 7:00 PM
Town Hall, 151 S. Banner Street

Conferencing Access Information: This is viewing-only access.https://us02web.zoom.us/j/81645120241?pwd=msFEsbEhKqHXWB7ari5wgqcQCs5pos.1
Join via phone at 1 669 900 9128 **Meeting ID:** 816 4512 0241
Meeting Passcode: 595761

CALL TO ORDER

ROLL CALL

PLEDGE OF ALLEGIANCE

PUBLIC COMMENT

This is a meeting of the Board of Trustees held in public. We welcome you here and thank you for your time and concerns. When you are recognized, please stand and state your name and address to the Board. Your comments will be limited to 3 minutes. The Board of Trustees may not respond to your comments during this meeting, but rather take your comments and suggestions under advisement and your questions will be directed to the appropriate person or department for follow-up. Personal attacks against Board Members, Administrative Staff, or Employees will not be recognized. If a response from Staff is requested, the Mayor will direct Staff to have a response at the next regularly scheduled Board meeting.

AGENDA CHANGES

CONSENT AGENDA

1. Minutes of the Regular Meeting of January 28, 2025.

NEW BUSINESS

2. Board discussion and possible action on the appointment of Steve Gaither, Ward 2 Trustee – Michelle Oeser
3. Discussion and possible action on the appointment of Jeff Lehman to the Historic Advisory Board for a term through December 31, 2025 – Alex Cramer
4. Discussion and possible action on approval of a Liquor License Transfer for Elizabeth Kitchen & Bar – Michelle Oeser
5. Discussion and possible action on Resolution 25R07, a Resolution authorizing the Mayor of Elizabeth to execute a land exchange agreement with Don and Linda Bulmer; authorizing the

payment of funds under the agreement; and authorizing the Mayor to execute deeds and other documents necessary to effectuate the agreement - Patrick Davidson

PUBLIC HEARING

6. Minor Development Plat for the Bulmer Filing NO. 1 Subdivision, and Resolution 25R09, approving the Site Development Plan for the Main Street Off-Street Parking Lot – Alex Cramer, Patrick Davidson

NEW BUSINESS

7. Discussion and possible action on Resolution 25R08, a Resolution approving the Minor Development Plat for the Bulmer Filing NO. 1 Subdivision, and Resolution 25R09, approving the Site Development Plan for the Main Street Off-Street Parking Lot – Alex Cramer, Patrick Davidson
8. Discussion and possible action on Resolution 25R10, a Resolution authorizing the Mayor to execute a Main Street Mini-Grant project proposal through the DOLA Main Street Program – Alex Cramer
9. Discussion and possible action on Ordinance 25-03, an Ordinance amending Section 11-6-90 of the Town of Elizabeth Municipal Code regarding the Prohibition against Public Camping – Patrick Davidson
10. Discussion and possible action on Ordinance 25-04, an Ordinance amending Section 10-5-210 of the Town of Elizabeth Municipal Code updating the application of County-Wide Burn Restrictions– Patrick Davidson
11. Discussion and possible action on Resolution 25R11, a Resolution authorizing the Town Administrator to execute a Trad Contractor agreement with Sun Valley Contractors, LLC, for electrical work associated with the installation of streetlights on Main Street – Mike DeVol
12. Discussion and possible action on Resolution 25R12, a Resolution call a Special Election for May 20, 2025, setting the Ballot Content therefore, and providing for candidate nomination Deadlines – Patrick Davidson

MANAGEMENT MONITORING REPORTS

13. Management Monitoring Reports

STUDENT LIAISON REPORT

14. Student Liaison Report – Landen Sherlock

BOARD REPORTS

15. Board Reports

MINUTES

16. Minutes of the Planning Commission Meeting of December 3, 2024.
17. Minutes of the Historic Advisory Board Meeting of January 6, 2025.

ADJOURNMENT

MEETING PROTOCOL AND STANDARDS OF CONDUCT

Public Participation

Public comment is encouraged and will be listed as an agenda item at every regular Board meeting.

Each individual wishing to be heard during the public comment period will be given up to three (3) minutes to make a comment.

The public comment period will not be used to make political endorsements or for political campaign purposes.

Questions from the Board will be for clarification purposes only. Public comment will not be used as a time for problem solving or reacting to comments made but, rather, for listening to the comments of citizens without taking any formal action.

The Board may direct the Town Administrator to provide information requested by a speaker during the public comment period.

Speakers are not allowed to make belligerent, accusatory, impertinent, slanderous, threatening, abusive, or disparaging comments.

The Mayor may elect to defer public comment on a specific issue that appears on the regular agenda until that specific item is addressed.

The Mayor may call for order when sidebar conversations occur in the audience. Those conversations are distracting from the Board addressing the topics at hand.

Members of the public who do not follow proper conduct after a warning in a public meeting may be barred from further participation at that meeting or removed from the Board Chambers pursuant to the Elizabeth Municipal Code and Colorado Revised Statutes.

BOARD OF TRUSTEES – RECORD OF PROCEEDINGS
January 28, 2025

CALL TO ORDER
The Regular Meeting of the Board of Trustees of the Town of Elizabeth was called to order on Tuesday, January 28, 2025, at 7:04 p.m. by Mayor Angela Ternus.

ROLL CALL
Mayor Angela Ternus, Mayor Pro Tem Tracy Hutchins, and Trustees Loren Einspahr, Shannon Downs, Dave Conley, and Michael Schroder were present. There was a quorum to do business.

Also present were Town Administrator Patrick Davidson, Town Clerk Michelle Oeser, Public Works Director Mike DeVol, Assistant Public Works Director James McErnie, Deputy Town Clerk Harmony Malakowski, Finance Officer Hannah Bruce, and Town Attorney Corey Hoffmann.

PLEDGE OF ALLEGIANCE
Mayor Ternus led the Board in the Pledge of Allegiance.

PUBLIC COMMENT
Paul Schwarzkopf – Town of Elizabeth Resident.

AGENDA CHANGES
No agenda changes from the Administration.

No agenda changes by the Board.

Agenda set.

CONSENT AGENDA
1. Minutes of the Regular Meeting of January 14, 2025

Motion by Mayor Pro Tem Hutchins, seconded by Trustee Downs, to accept the Consent Agenda as presented.
The vote of those Trustees present was 6 in favor and 0 opposed. The motion passed unanimously.

PROCLAMATION
2. National School Choice Week Proclamation – Mayor Ternus

Mayor Ternus read the Proclamation into the record.

NEW BUSINESS

3. Discussion and possible action regarding the appointment of a Board Representative to serve on the Façade Grant Committee

Mr. Davidson provided a Staff report.

Motion by Trustee Einspahr, seconded by Trustee Conley, to appoint Shannon Downs to the Façade Grant Committee.
The vote of those Trustees present was 6 in favor and 0 opposed. The motion passed unanimously.

4. Discussion and possible action on the Ward 2 vacancy

Mr. Davidson provided a Staff report.

Motion by Trustee Schroder, seconded by Mayor Pro Tem Hutchins, to approve keeping the application process open for Ward 2 until February 7, 2025, and if not filled by such date, an election date will be set on February 11, 2025, at the regularly scheduled meeting.
The vote of those Trustees present was 6 in favor and 0 opposed. The motion passed unanimously.

5. Discussion and possible action on Ordinance 25-01, an Ordinance amending Section 6-1-30 of the Elizabeth Municipal code to exempt certain businesses from local business license and license fees and making conforming changes to Article II of Chapter 6

Ms. Malakowski provided a Staff report.

Motion by Mayor Pro Tem Hutchins, seconded by Trustee Schroder, to approve Ordinance 25-01, an Ordinance amending Section 6-1-30 of the Elizabeth Municipal code to exempt certain businesses from local business license and license fees and making conforming changes to Article II of Chapter 6.
The vote of those Trustees present was 6 in favor and 0 opposed. The motion passed unanimously.

6. Discussion and possible action on Ordinance 25-02, an Ordinance amending Section 10-6-70 and repealing Section 10-6-30 of the Town of Elizabeth Municipal Code concerning curfew violations

Mr. Hoffmann provided a Staff report.

Motion by Trustee Einspahr, seconded by Trustee Downs, to approve Ordinance 25-02, an Ordinance amending Section 10-6-70 and repealing Section 10-6-30 of the Town of Elizabeth Municipal Code concerning curfew violations.
The vote of those Trustees present was 6 in favor and 0 opposed. The motion passed unanimously.

7. Discussion and possible action on Resolution 25R06, a Resolution authorizing the Mayor to execute an easement agreement for the Benefit of the Real Property commonly known as 525 Dale Court, Elizabeth Colorado

Mr. Hoffmann provided a Staff report.

Motion by Trustee Einspahr, seconded by Trustee Downs, to approve Resolution 25R06, a Resolution authorizing the Mayor to execute an easement agreement for the Benefit of the Real Property commonly known as 525 Dale Court, Elizabeth Colorado.
The vote of those Trustees present was 6 in favor and 0 opposed. The motion passed unanimously.

MANAGEMENT REPORTS

- Town Administrator Patrick Davidson:
  - No additions to his written report provided in the packet.

- Public Works Director Mike DeVol:
  - Staking is moving forward on Main Street with CORE Electric.
  - Mayor Ternus asked about the Denver D-1 well that was pulled for maintenance.
  - Clean-up Day is scheduled for May 17, 2025.

- Town Attorney Corey Hoffmann:
  - Discussion on Ward 2 options and processes.

- Town Clerk Michelle Oeser:
  - Discussion on when and where to hold a Board Retreat.

STUDENT LIAISON REPORT

- Student Liaison Landen Sherlock:
  - No report

BOARD OF TRUSTEE REPORTS

- Ward 1:
  - Mayor Pro Tem Hutchins requested discussion on extending the time for unscheduled Public Comment.

- Mayor Ternus:
  - Discussed Board Members being liaisons to other agencies and working to build relationships.
- Ward 1:

- Trustee Schroder discussed an incident that occurred at the True Value store.

MINUTES

11. Minutes of the Main Street Board of Directors Meeting of December 9, 2024.

ADJOURNMENT

Motion by Trustee Schroder, seconded by Mayor Pro Tem Hutchins, to adjourn the meeting at 8:22 p.m.
The vote of those Trustees present was unanimously in favor. Motion carried.

_____ _____

Town Clerk Michelle Oeser Mayor Angela Ternus

TO: Honorable Mayor and Board of Trustees
FROM: Michelle Oeser Town Clerk
DATE: February 11, 2025
SUBJECT: Ward 2 Appointment

SUMMARY
Staff received Mr. Gaither's letter of interest and application on February 6, 2025. Mr. Gaither resides in Ward 2 and meets all the qualifications and requirements to fill the open Ward 2 seat on the Board. Mr. Gaither previously served on the Board for 8 years.

STAFF RECOMMENDATION
Staff will not provided a recommendation on this appointment.

ATTACHMENTS(S)
Letter of interest
Application

RECEIVED

FEB 0 5 2025

Town of Elizabeth

APPLICATION FOR APPOINTMENT TO THE TOWN OF ELIZABETH BOARD OF TRUSTEES

Name: Steve Gaither

Physical Address: [redacted], Elizabeth, Colorado 80107*

Mailing Address: Same (if different than physical address)

Telephone Number: [redacted]

Email Address: [redacted]

Preferred Method of Contact: Email _____ Telephone ✓ Other _____

Years of Residency in the Town of Elizabeth: 27

Are you registered to vote in Elbert County, Colorado? Yes ✓ No _____

Number of Board of Trustee Meetings Attended in Last Six (6) Months? _____

Number of Public Meetings (any type) Attended in Last Six (6) Months? 5

Place of Employment: Self (For conflicts of interest only).

Did you vote in the Town's most recent election? Yes ✓ No _____

Please attach your resume or curriculum vitae to this application.

*Note – An Elizabeth mailing address does not necessarily mean you reside in the jurisdictional boundaries of the Town of Elizabeth. If you are unsure if you are a Town resident, please call the Elizabeth Town Clerk to verify.

Please respond to the following questions. Feel free to attach additional pages as may be necessary.

1. Have you ever held an elected office? If so, please provide the location, length of service, and any positions held:

Board of Trustees 8 years Town of Elizabeth

2. Past and Present memberships on a Board, Committee, or Task Force in the public sector (business, civic, community, religious, political, professional, recreational or social). Please provide the name of the organization, role/title/position, and dates of service.

Board Of Trustees 8 year LastTerm 5years Ago

3. Please list all other volunteer experiences.

Elizabet Stampede 4years facility director 2years Stampede

4. What do you consider the two (2) most important challenges facing the Town of Elizabeth in the next few years? What do you think should be done?

Up dating Inter structor

Growth

5. What is something you would like to change about the operations of the Town of Elizabeth, and how would you change that item?

That is a good Question. Will have to see better The Inside Though of the New Board

6. Please list any skills or expertise, if selected, you would bring to the Board of Trustees?

I am a general Contractor under stand Construction

7. What papers, documents, websites, or other information did you review in anticipation of submitting this application to the Board of Trustees?

Town News Letter Town wed sight.

8. Why do you want to serve on the Board of Trustees for the Town of Elizabeth?

Serve the community

9. If you are appointed to the Board of Trustees, are you willing to run for the position again? Why or why not?

yes I would to help serve

10. Do you have any experience in accounting, reviewing budgets, bookkeeping or related fields? Please explain.

I run my own busines They are a requirment
Dealt with it for 8 year while on the Board

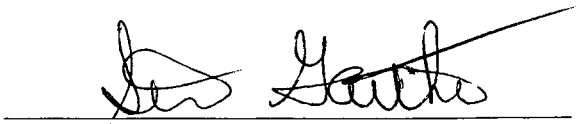
11. An appointment to the Board of Trustees requires several orientation meetings with Department Heads and the Town Administration, preparing for bi-monthly Board Meetings, attendance at bi-monthly Board meetings, meeting with residents and citizens, occasional Saturday workshops, attendance at Town Events, and other official duties. Are you able and willing to devote the necessary time to the position?

Yes Not a problem
In 8 years I Never missed a meeting

12. Please provide any additional information that you believe is valuable for the Board in making its decision for your potential appointment to the Board of Trustees.

I Keep up with the Town Agenda for Town wed Sight
On a weekley Basis.

13. Are you aware of any conflicts of interest – perceived or actual – that would require you to recuse yourself from participating in certain actions by the Board of Trustees? NO



Signature

By submitting this application, you acknowledge that the role of Trustee requires active participation in the political process. If selected as Trustee, you acknowledge you will meet the obligations required of you under the Town Code, Colorado Law, and the Town of Elizabeth Code of Conduct for Elected Officials.

OATH OF OFFICE

STATE OF COLORADO
ELBERT COUNTY
TOWN OF ELIZABETH

I, Steve Gaither do solemnly, sincerely, and truly declare and affirm that I will support and defend the Constitution of the United States of America and of the State of Colorado and the ordinances, laws and regulations of the Town of Elizabeth, and will faithfully perform the duties of the office of Trustee I am about to enter into, to the best of my ability.

_____
Signature

Subscribed and affirmed to me this 11th day of February 2025.

_____
Michelle M. Oeser, Town Clerk, Town of Elizabeth, Colorado

TO: Board of Trustees

FROM: Alexandra Cramer, Planner/Project Manager

DATE: February 11th, 2025

SUBJECT: HAB Appointment

SUMMARY

The Town has received an application for the Historic Advisory Board opening. Jeff Lehman has applied to fill a vacancy on the Historic Advisory Board. The candidate's application and letter of interest are attached. The Historic Advisory Board has seven (7) seats with three (3) year staggered terms, with currently one (1) vacant seat.

If appointed, Jeff Lehman would fill a seat with a term starting now through December 31, 2025.

STAFF RECOMMENDATION

Staff recommends that the Board of Trustees appoint Jeff Lehman to the Historic Advisory Board for a term starting February 11th, 2025 through December 31, 2025.

ATTACHMENT(S)

Application/Letter of Interest

APPLICATION FOR APPOINTMENT
HISTORIC ADVISORY BOARD

Please complete the following application for consideration for service on the Elizabeth Historic Advisory Board. **Along with this application, please submit a letter of interest for the position describing your experience, expertise, and reasons you would like to be a member of the Historic Advisory Board.**

Name: Jeff Lehman

Address: [redacted] Elizabeth, CO 80107

Email: [redacted] Contact Phone #: [redacted]

Occupation: retired

Please list your areas of experience and expertise:

- [ ] Administration
- [ ] Accounting/Finance
- [ ] Program Development
- [ ] Communications
- [ ] Public Relations
- [x] Design
- [ ] Marketing / Advertising
- [ ] Economic Development
- [x] Historic Preservation Event
- [ ] Management Downtown
- [ ] Business Activity

Additional areas of expertise/ experience former member Elizabeth town board, Elbert co. Library board

Have you attended an Elizabeth Historic Advisory Board meeting, event, forum, webinar, etc.?

- [x] Yes
- [ ] No

If so, please explain your involvement.

Involved with Elizabeth historic walk and talk for many years.

Please submit this application along with **a separate letter of interest.** Make sure you have read through the Elizabeth Historic Advisory Board job description and understand the position's responsibility and requirements.

Submit to: Zach Higgins, AICP, Community Development Director, zhiggins@townofelizabeth.org
Town of Elizabeth, 151 S Banner Street, PO Box 159, Elizabeth CO 80107 303-646-4166

Jeff Lehman
[redacted]
Elizabeth, CO 80107

January 29, 2025

Historic Advisory Board
Elizabeth, Colorado

Dear Board members,

I am writing to ask if I might join the historic board here in Elizabeth.

Since moving to Elizabeth in 1979 I have been involved in the town's government, the county's Library Board and our local historic walk and talk.

Throughout my years in Elizabeth I have enjoyed and taken an interest in the older people and businesses that have added much to the character of the community and wish to recognize and preserve some of that character.

Thank you for your consideration,

Jeff Lehman

TO: Honorable Mayor and Board of Trustees
FROM: Michelle Oeser Town Clerk
DATE: February 11, 2025
SUBJECT: Liquor License Transfer

SUMMARY

Tyler Weston and Corey Basquez have applied to transfer the current liquor license from the Full Moon Saloon to their business, the Elizabeth Kitchen & Bar. An application was turned in on January 31, 2025. All fees have been paid to both the Town and the State. All the required paperwork has been submitted and completed. A liquor license transfer does not require a public hearing and is an administration approval process. They have obtained a new business license through the Town.

Once approved, the application goes on to the State of Colorado Liquor Enforcement Division for review and approval. The Clerk issued a temporary permit on February 4, 2024. This permit is valid while the application is processed through the Town and State.

STAFF RECOMMENDATION

Staff recommend that the Board of Trustees approve the liquor license transfer application for the Elizabeth Kitchen & Bar.

ATTACHMENTS(S)

Liquor Transfer Application

TEMPORARY PERMIT

Issued to: EKBAR LLC
dba Elizabeth Kitchen & Bar
240 Elizabeth St. Unit 110
Elizabeth, CO 80107

License Type: Temporary Permit, Fermented Malt Beverage/Fermented Malt Beverage and Wine Retailer

License Number: Transfer – no number at this time

Fee: $0.00

Date Issued: February 4, 2024

Valid: June 4, 2025, or until, application is approved by the State, whichever comes first.

Angela Ternus, Mayor
Angela Ternus, Mayor

RECEIVED

JAN 3 1 2025

Town of Elizabeth

ELIZABETH COLORADO

TOWN OF ELIZABETH

AFFIDAVIT OF TRANSFER

Pursuant to the requirements of 44-3-303, the undersigned Licensee hereby authorizes the transfer of its Colorado Retail Liquor License to the Applicant, its Agent(s), or a company, corporation, partnership, or other business entity to be formed by the Applicant.

Dated this 30 day of January, 2025

SELLER: Full Moon Saloon 03-20473 **BUYER:** EKBAR LLC

*(Current Licensee, License Number) (Applicant Name – listed on #2 of the DR forms)

Trade Name: Full Moon Saloon LLC, Edgar Vance York IV Trade Name: Elizabeth Kitchen & Bar

Sign: _____ Sign: _____

Print: Tyler Weston Print: Emily Basquez

Title: Owner Title: General Manager

State of Colorado

County of Elbert

Subscribed and sworn to before me this 30 day of January, 2025

by: Tyler Weston, Emily Basquez

Notary Public: Lisa Schattl

My Commission Expires: 9-29-2028

Seal:

LISA SCHATTL
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID# 20204033916
MY COMMISSION EXPIRES 09/29/2028

Licensee Details

Demographic Information

Name: FULL MOON SALOON

Owner/Manager Name: WESTEN, TYLER

Address: 240 SOUTH ELIZABETH STREET SUITE I

City / State / Zip: Elizabeth CO 80107

License Information

DBA: FULL MOON SALOON LLC, EDGAR VANCE YORK IV

Type: Hotel & Restaurant (city)

Lic #: 03-20473

Status: Approved

Effective Date: 2/22/2024

Expiration Date: 2/21/2025

Linked License Information

No Available Information

Corporate Personnel

Member	YORK, EDGAR II V	2/22/2024	
Owner	WESTON, TYLER STEVEN	2/22/2024	
Owner	YORK, RENEE JEAN	2/22/2024	

DR 8403 (03/07/24)
COLORADO DEPARTMENT OF REVENUE
Liquor Enforcement Division
PO Box 17087
Denver CO 80217-0087
(303) 205-2300

Fermented Malt Beverage/Fermented Malt Beverage and Wine Retailer License Application

This application only applies to Fermented Malt Beverage On-Premises, Fermented Malt Beverage On/Off-Premises, and Fermented Malt Beverage and Wine Retailer.

***Note that the Division will not accept cash.** ☑ Paid by check ☐ Paid online

Uploaded to MoveIt on Date

☐ **New License** ☐ **New-Concurrent** ☒ **Transfer of Ownership**

- **All answers must be printed in black ink or typewritten**
- **Applicant must check the appropriate box(es)**
- **Local license fee $** 750
- **Applicant should obtain a copy of the Colorado Liquor, Beer and Wine Code:** *SBG.Colorado.gov/Liquor*

Applicant is applying as a/an: ☐ Individual ☒ Limited Liability Company ☐ Association or Other ☐ Corporation ☐ Partnership (includes Limited Liability and Husband and Wife Partnerships)

Applicant(s) If an LLC, name of LLC; if partnership, at least 2 partners' names; if corporation, name of corporation
EKBAR LLC

FEIN [redacted]

Trade Name of Establishment (DBA)
ELIZABETH KITCHEN & BAR

Sales Tax Number
96507364

Business Telephone
303-646-8695

Address of Premises (specify exact location of premises)
240 ELIZABETH ST UNIT 110

City: ELIZABETH | County: ELBERT | State: CO | ZIP Code: 80107

Mailing Address (Number and Street)
[redacted]

City or Town: KIOWA | State: CO | ZIP Code: 80117

Email Address [redacted]

Home Phone Number [redacted]

If the premises currently has a liquor or beer license, you **must** answer the following questions:

Present Trade Name of Establishment (DBA)

FULL MOON SALOON

Present Sales License Number	Present Class of License	Present Expiration Date
03-20473	HOTEL AND RESTAURANT	02/21/2025

Section A - Nonrefundable Application Fee

- ☐ Application Fee for New License $1,100.00
- ☐ Application Fee for New License - with Concurrent Review $1,200.00
- ☑ Application Fee for Transfer $1,100.00

Section B - Fermented Malt Beverage License Fees

- ☐ Retail Fermented Malt Beverage On-Premises (City) $96.25
- ☐ Retail Fermented Malt Beverage On-Premises (County) $117.50
- ☐ Retail Fermented Malt Beverage and Wine (City) $96.25
- ☐ Retail Fermented Malt Beverage and Wine (County) $117.50
- ☐ Retail Fermented Malt Beverage and On/Off-Premises (City) $96.25
- ☐ Retail Fermented Malt Beverage and On/Off-Premises (County) $117.50
- ☐ Master File Location Fee ..... $25.00 x [ ] Total $ [ ]
- ☐ Master File Background ..... $250.00 x [ ] Total $ [ ]

Questions? Visit *SBG.Colorado.gov/Liquor* for more information

Do Not Write In This Space - For Department Of Revenue Use Only

Liability Information

License Account Number	Liability Date	License Issued Through: (Expiration Date)

Total $

1. Is the applicant (including any of the partners if a partnership; members or managers if a limited liability company; or officers, stockholders or directors if a corporation) or managers under the age of twenty-one years? ○ Yes ◉ No

2. Has the applicant (including any of the partners if a partnership; members or managers if a limited liability company; or officers, stockholders or directors if a corporation) or managers ever (in Colorado or any other state):

   a. Been denied an alcohol beverage license? ○ Yes ◉ No

   b. Had an alcohol beverage license suspended or revoked? ○ Yes ◉ No

   c. Had interest in another entity that had an alcohol beverage license suspended or revoked? ○ Yes ◉ No

If you answered yes to 2a, b or c, explain in detail on a separate sheet.

3. Has the premises to be licensed been denied within the preceding one year? If "yes," explain in detail. ○ Yes ◉ No

If "yes", explain in detail.

4. Is the proposed Fermented Malt Beverage and Wine Retailer license within 500 feet of any public or parochial school, the principal campus of any college, university, or seminary? Note: The distances are to be computed using the methods outlined under C.R.S. 44-3-313(1)(d)(II). Some limited exceptions apply under C.R.S. 44-3-313. ○ Yes ◉ No

5. Is the proposed Fermented Malt Beverage and Wine Retailer license, or On/Off premises license, within 500 feet of a Retail Liquor Store licensed under section 44-3-409 C.R.S.? (Distance should be determined using guidelines outlined in 44-3-301(12)(c) C.R.S.) ○ Yes ◉ No

6. Are you applying for a Fermented Malt Beverage On and Off Premises License? If yes, answer subparts a and b. If No, go to question 6. ○ Yes ◉ No

   a. The FMB On/Off is located in a county with a population of > 35,000 ○ Yes ◉ No

   b. The FMB On/Off is located in an "underserved area" within a county with population of < 35,000 but lies outside of a municipal boundaries or is a city or town with population of > 75,500. ○ Yes ◉ No

   Note - The population is determined from the recently available United States Census Bureau.

7. Has a liquor or beer license ever been issued to the applicant (including any of the partners, if a partnership; members or manager if a limited liability company; or officers, stockholders or directors if a corporation)? If yes, identify the name of the business and list any current or former financial interest in said business including any loans to or from a licensee. ◉ Yes ○ No

Application Documents Checklist and Worksheet

Instructions: This checklist should be utilized to assist applicants with filing all required documents for licensure. **All** documents must be properly signed and correspond with the name of the applicant **exactly**. **All** documents must be typed or legibly printed. Upon final State approval the license will be mailed to the local licensing authority. Application fees are nonrefundable.
Questions? Visit: *SBG.Colorado.gov/Liquor* **for more information**

Items Submitted, Please Check All Appropriate Boxes Completed or Documents Submitted

I. Applicant Information

- ☐ Applicant/Licensee identified
- ☑ State sales tax license number listed or applied for at time of application
- ☐ License type or other transaction identified
- ☑ Submit originals to local authority
- ☑ Additional information required by the local licensing authority

II. Diagram of the Premises

- ☐ No larger than 8½" X 11"
- ☐ Dimensions included (does not have to be to scale). Exterior areas should show control (fences, walls, etc.)
- ☐ Separate diagram for each floor (if multiple levels)
- ☐ Bold/Outlined licensed premises

III. Proof of Property Possession (One Year Needed)

- ☐ Deed in name of the applicant **only** (or) (matching question #2) date stamped/filed with County Clerk
- ☐ Lease in the name of the applicant **only** (matching question #2)
- ☑ Lease Assignment in the name of the applicant (**only**) with proper consent from the Landlord and acceptance by the applicant
- ☐ Other agreement if not deed or lease

IV. Background Information (DR 8404-I) and Financial Documents

☐ Individual History Record(s) (Form DR 8404-I) Complete DR 8404-I for each principal (individuals with more than 10% ownership, officers, directors, partners, members)

☐ Fingerprints taken and submitted to the appropriate Local Licensing Authority through an approved state vendor. Master File applicants submit results to the State

Do not complete fingerprint cards prior to submitting your application.

The Vendors are as follows:

IdentoGO – *https://uenroll.identogo.com/* Phone : 844-539-5539 (toll-free)

Colorado Fingerprinting – *http://www.coloradofingerprinting.com*

Appointment Scheduling Website: *http://www.coloradofingerprinting.com/cabs/*

Phone: 720-292-2722 Toll Free: 833-224-2227

Details about the vendors and fingerprinting in Colorado can be found on CBI's website here:

https://cbi.colorado.gov/sections/biometric-identification-and-records-unit/employment-and-background-checks

☐ Purchase agreement, stock transfer agreement, and/or authorization to transfer license

☐ List of all notes and loans

V. Sole Proprietor/Husband and Wife Partnership (If Applicable)

☐ Form DR 4679

☐ Copy of State Issued Driver's License or Identification Card for each Applicant

VI. Corporate Applicant Information (If Applicable)

☐ Certificate of Incorporation

☑ Certificate of Good Standing

☐ Certificate of Authorization if foreign corporation (out of state applicants only)

VII. Partnership Applicant Information (If Applicable)

☐ Partnership Agreement (general or limited)

☐ Certificate of Good Standing

VIII. Limited Liability Company Applicant Information (If Applicable)

☑ Copy of Articles of Organization

☑ Certificate of Good Standing

☐ Copy of Operating Agreement (if applicable)

☐ Certificate of Authority if foreign LLC (out of state applicants only)

8. Does the applicant, as listed as Trade Name of Establishment (DBA) of this application, have legal possession of the premises by virtue of ownership, lease or other arrangement? ..... ◉ Yes ○ No

○ Ownership ◉ Lease ○ Other (Explain in detail)

a. If leased, list name of landlord and tenant, and date of expiration, **exactly** as they appear on the lease:

Landlord	Tenant	Expires
Gold Creek SC LLC	EKBAR LLC	12/31/28

b. Is a percentage of alcohol sales included as compensation to the landlord? If yes, complete question 6. ..... ○ Yes ◉ No

c. Attach a diagram that designates the area to be licensed in black bold outline (including dimensions) which shows the bars, brewery, walls, partitions, entrances, exits and what each room shall be utilized for in this business. This diagram should be no larger than 8½" X 11".

9. Who, besides the owners listed in this application (including persons, firms, partnerships, corporations, limited liability companies) will loan or give money, inventory, furniture or equipment to or for use in this business; or who will receive money from this business? Attach a separate sheet if necessary.

Last Name	First Name	
Date of Birth (MM/DD/YY)	**FEIN or SSN**	**Interest**
Last Name	**First Name**	
Date of Birth (MM/DD/YY)	**FEIN or SSN**	**Interest**

Attach copies of all notes and security instruments and any written agreement or details of any oral agreement, by which any person (including partnerships, corporations, limited liability companies, etc.) will share in the profit or gross proceeds of this establishment, and any agreement relating to the business which is contingent or conditional in any way by volume, profit, sales, giving of advice or consultation.

10. Name of Manager(s) for all on premises applicants.

Last Name	First Name
BASQUEZ	EMILY
Date of Birth (MM/DD/YY)	
[redacted]	

11. Does this manager act as the manager of, or have a financial interest in, any other liquor licensed establishment in the State of Colorado? If yes, provide name, type of license and account number. ..... ○ Yes ◉ No

12. Tax Information.

a. Has the applicant, including its manager, partners, officer, directors, stockholders, members (LLC), managing members (LLC), or any other person with a 10% or greater financial interest in the applicant, been found in final order of a tax agency to be delinquent in the payment of any state or local taxes, penalties, or interest related to a business?..... ○ Yes ◉ No

b. Has the applicant, including its manager, partners, officer, directors, stockholders, members (LLC), managing members (LLC), or any other person with a 10% or greater financial interest in the applicant failed to pay any fees or surcharges imposed pursuant to section 44-3-503, C.R.S.?..... ○ Yes ◉ No

13. If applicant is a corporation, partnership, association or limited liability company, applicant must list all Officers, Directors, General Partners, and Managing Members. In addition, applicant must list any stockholders, partners, or members with ownership of 10% or more in the Applicant. All persons listed below must also attach form DR 8404-I (Individual History Record), and make an appointment to be fingerprinted by an approved State Vendor through the Vendor's website. See application checklist, Section IV, for details.

Name
COREY BASQUEZ

Home Address (Number and Street)
[redacted]

City | State | ZIP Code
KIOWA | CO | 80117

Date of Birth (MM/DD/YY) | Position | Percent Owned
[redacted] | PARTNER OWNER | 50

Name
TEDDY FINLEY

Home Address (Number and Street)
[redacted]

City | State | ZIP Code
KIOWA | CO | 80117

Date of Birth (MM/DD/YY) | Position | Percent Owned
[redacted] | PARTNER OWNER | 50

Name

Home Address (Number and Street)

City | State | ZIP Code

Date of Birth (MM/DD/YY) | Position | Percent Owned

Name

Home Address (Number and Street)

City | State | ZIP Code

Date of Birth (MM/DD/YY) | Position | Percent Owned

** If applicant is owned 100% by a parent company, please list the designated principal officer on above.

** Corporations - the President, Vice-President, Secretary and Treasurer must be accounted for above (Include ownership percentage if applicable)

** If total ownership percentage disclosed here does not total 100%, applicant must check this box:

Applicant affirms that no individual other than these disclosed herein owns 10% or more of the applicant and does not have financial interest in a prohibited liquor license pursuant to Article 3 or 5, C.R.S.

Oath of Applicant

I declare under penalty of perjury in the second degree that this application and all attachments are true, correct, and complete to the best of my knowledge. I also acknowledge that it is my responsibility and the responsibility of my agents and employees to comply with the provisions of the Colorado Liquor or Beer and Wine Code which affect my license.

Printed Name: COREY BASQUEZ | Title: PARTNER OWNER

Authorized Signature | Date (MM/DD/YY): 01/31/25

Report and Approval of Local Licensing Authority (City/County)

Date application filed with local authority

Date of local authority hearing – for new license applicants cannot be less than 30 days from date of application 44-3-311(1) C.R.S.

For Transfer Applications Only - Is the license being transferred valid?..... ○ Yes ○ No

Each person required to file DR 8404-I has been:

☐ Fingerprinted

☐ Subject to background investigation, including NCIC/CCIC check for outstanding warrants

That the local authority has conducted, or intends to conduct, an inspection of the proposed premises to ensure that the applicant is in compliance with and aware of, liquor code provisions affecting their class of license. (Check One)

○ Date of Inspection or Anticipated Date

○ Upon approval of state licensing authority

○ New Fermented Malt Beverage Off Premises licenses, and On/Off Premises licenses, distance requirements of 44-3-301 C.R.S. are satisfied

New Fermented Malt Beverage On/Off premises licenses must meet the qualifications of 44-4-104 C.R.S.

The foregoing application has been examined; and the premises, business to be conducted, and character of the applicant are satisfactory. We do report that such license, if granted, will meet the reasonable requirements of the neighborhood and the desires of the adult inhabitants, and will comply with the provisions of Title 44, Article 4 or 3, C.R.S. and Liquor Rules. **Therefore, this application is approved.**

Local Licensing Authority for

Telephone Number

○ Town, City

○ County

Printed Name

Title

Signature

Date (MM/DD/YY)

Printed Name

Title

Signature (Attest)

Date (MM/DD/YY)

DR 8495 (02/16/24)
COLORADO DEPARTMENT OF REVENUE
Liquor Enforcement Division
PO BOX 17087
Denver CO 80217-0087
(303) 205-2300

Tax Check Authorization, Waiver, and Request to Release Information

I, COREY BASQUEZ

am signing this Tax Check Authorization, Waiver and Request to Release Information (hereinafter "Waiver") on behalf of

(the "Applicant/Licensee")

ELIZABETH KITCHEN & BAR

to permit the Colorado Department of Revenue and any other state or local taxing authority to release information and documentation that may otherwise be confidential, as provided below. If I am signing this Waiver for someone other than myself, including on behalf of a business entity, I certify that I have the authority to execute this Waiver on behalf of the Applicant/Licensee.

The Executive Director of the Colorado Department of Revenue is the State Licensing Authority, and oversees the Colorado Liquor Enforcement Division as his or her agents, clerks, and employees. The information and documentation obtained pursuant to this Waiver may be used in connection with the Applicant/Licensee's liquor license application and ongoing licensure by the state and local licensing authorities. The Colorado Liquor Code, section 44-3-101. et seq. ("Liquor Code"), and the Colorado Liquor Rules, 1 CCR 203-2 ("Liquor Rules"), require compliance with certain tax obligations, and set forth the investigative, disciplinary and licensure actions the state and local licensing authorities may take for violations of the Liquor Code and Liquor Rules, including failure to meet tax reporting and payment obligations.

The Waiver is made pursuant to section 39-21-113(4), C.R.S., and any other law, regulation, resolution or ordinance concerning the confidentiality of tax information, or any document, report or return filed in connection with state or local taxes. This Waiver shall be valid until the expiration or revocation of a license, or until both the state and local licensing authorities take final action to approve or deny any application(s) for the renewal of the license, whichever is later. Applicant/Licensee agrees to execute a new waiver for each subsequent licensing period in connection with the renewal of any license, if requested.

By signing below, Applicant/Licensee requests that the Colorado Department of Revenue and any other state or local taxing authority or agency in the possession of tax documents or information, release information and documentation to the Colorado Liquor Enforcement Division, and is duly authorized employees, to act as the Applicant's/Licensee's duly authorized representative under section 39-21-113(4), C.R.S., solely to allow the state and local licensing authorities, and their duly authorized employees, to investigate compliance with the Liquor Code and Liquor Rules. Applicant/Licensee authorizes the state and local licensing authorities, their duly authorized employees, and their legal representatives, to use the information and documentation obtained using this Waiver in any administrative or judicial action regarding the application or license.

Name (Individual/Business)

ELIZABETH KITCHEN & BAR

Social Security Number/Tax Identification Number	Home Phone Number	Business/Work Phone Number
[redacted]	[redacted]	[redacted]

Street Address

240 ELIZABETH ST

City	State	ZIP Code
ELIZABETH	CO	80107

Printed name of person signing on behalf of the Applicant/Licensee

COREY BASQUEZ

Applicant/Licensee's Signature (Signature authorizing the disclosure of confidential tax information)	Date Signed
[signature]	01/31/25

Privacy Act Statement

Providing your Social Security Number is voluntary and no right, benefit or privilege provided by law will be denied as a result of refusal to disclose it. § 7 of Privacy Act, 5 USCS § 552a (note).

DR 8404-I (03/06/24)
COLORADO DEPARTMENT OF REVENUE
Liquor Enforcement Division
PO Box 17087
Denver CO 80217-0087
(303) 205-2300

Individual History Record

To be completed by the following persons, as applicable: sole proprietors; general partners regardless of percentage ownership, and limited partners owning 10% or more of the partnership; all principal officers of a corporation, all directors of a corporation, and any stockholder of a corporation owning 10% or more of the outstanding stock; managing members or officers of a limited liability company, and members owning 10% or more of the company; and any intended registered manager of Hotel and Restaurant, Tavern and Lodging and Entertainment class of retail license

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Notice: This individual history record requires information that is necessary for the licensing investigation or inquiry. All questions must be answered in their entirety or the license application may be delayed or denied. If a question is not applicable, please indicate so by "N/A". **Any deliberate misrepresentation or material omission may jeopardize the license application.** (Please attach a separate sheet if necessary to enable you to answer questions completely)

Name of Business

EKBAR LLC

Home Phone Number

Cellular Number

[redacted]

Your Full Name (last, first, middle)

BASQUEZ, COREY, ANTHONY

List any other names you have used

Mailing address (if different from residence)

[redacted]

Email Address

[redacted]

1. List current residence address. Include any previous addresses within the last five years. (Attach separate sheet if necessary)

Current Street and Number

[redacted]

Current City, State, ZIP

KIOWA, CO 80117

From:

2019

To:

2025

Previous Street and Number

Previous City, State, ZIP

From:

To:

Individual History Record (Continued)

2. List all employment within the last five years. Include any self-employment. (Attach separate sheet if necessary)

Name of Employer or Business

RVTA LLC

Address (Street, Number, City, State, ZIP)

8175 CHERRYWOOD CIR, KIOWA CO 80117

Position Held

GM

From: 2015 To: 2025

Name of Employer or Business

Address (Street, Number, City, State, ZIP)

Position Held

From: To:

Name of Employer or Business

Address (Street, Number, City, State, ZIP)

Position Held

From: To:

3. List the name(s) of relatives working in or holding a financial interest in the Colorado alcohol beverage industry.

Name of Relative Relationship to You:

Position Held Name of Licensee

Name of Relative Relationship to You:

Position Held Name of Licensee

Individual History Record (Continued)

Name of Relative	Relationship to You:
Position Held	**Name of Licensee**
Name of Relative	**Relationship to You:**
Position Held	**Name of Licensee**

4. Have you ever applied for, held, or had an interest in a Colorado Liquor or Beer License, or loaned money, furniture, fixtures, equipment or inventory to any licensee? ..... ◉ Yes ○ No

(If yes, answer in detail.)

5. Have you ever received a violation notice, suspension, or revocation for a liquor law violation, or have you applied for or been denied a liquor or beer license anywhere in the United States?..... ○ Yes ◉ No

(If yes, answer in detail.)

6. Have you ever been convicted of a crime or received a suspended sentence, deferred sentence, or forfeited bail for any offense in criminal or military court or do you have any charges pending?..... ○ Yes ◉ No

(If yes, answer in detail.)

7. Are you currently under probation (supervised or unsupervised), parole, or completing the requirements of a deferred sentence?..... ○ Yes ◉ No

(If yes, answer in detail.)

Individual History Record (Continued)

8. Have you ever had any professional license suspended, revoked, or denied?..... ○ Yes ◉ No

(If yes, answer in detail.)

Personal and Financial Information

Unless otherwise provided by law, the personal information required in this section will be treated as confidential. The personal information required in this section is solely for identification purposes.

Date of Birth	Social Security Number	Place of Birth
[redacted]	[redacted]	COLORADO

U.S. Citizen ○ Yes ○ No

If Naturalized, state where	When

Name of District Court	Naturalization Certificate Number	Date of Certification

If an Alien, Give Alien's Registration Card Number	Permanent Residence Card Number

Height	Weight	Hair Color	Eye Color	Gender
5'-8"	140	BROWN	BROWN	MALE

Do you have a current Driver's License/ID? If so, give number and state. ..... ◉ Yes ○ No

Driver's License Number	Driver's License State
[redacted]	COLORADO

Financial Information

9. Total purchase price or investment being made by the applying entity, corporation, partnership, limited liability company, other.....

10. List the total amount of the **personal** investment, made by the person listed on page 1 in this business including any notes, loans, cash, services or equipment, operating capital, stock purchases or fees paid..... $200,000

NOTE: If corporate investment only, please skip to and complete question 12
NOTE: Question 10 should reflect the total of questions 11 and 13

Personal and Financial Information (Continued)

11. Provide details of the personal investment described in question 10. You must account for all of the sources of this investment. (Attach a separate sheet if needed)

Type: Cash, Services or Equipment	Account Type
Fixtures, Furniture and Equipment	Checking
Bank Name	**Amount**
Canvas	[redacted]
Type: Cash, Services or Equipment	**Account Type**
Bank Name	**Amount**
Type: Cash, Services or Equipment	**Account Type**
Bank Name	**Amount**
Type: Cash, Services or Equipment	**Account Type**
Bank Name	**Amount**

12. Provide details of the corporate investment described in question 9. You must account for all of the sources of this investment. (Attach a separate sheet if needed)

Type: Cash, Services or Equipment	Loans	Account Type
Bank Name	**Amount**	
Type: Cash, Services or Equipment	**Loans**	**Account Type**
Bank Name	**Amount**	
Type: Cash, Services or Equipment	**Loans**	**Account Type**
Bank Name	**Amount**	

13. Loan Information (Attach copies of all notes or loans)

Name of Lender		Address
Term	**Security**	**Amount**

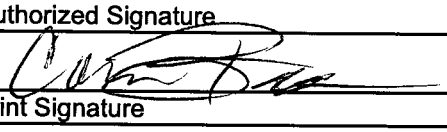
Personal and Financial Information (Continued)

Name of Lender		Address
Term	**Security**	**Amount**
Name of Lender		**Address**
Term	**Security**	**Amount**
Name of Lender		**Address**
Term	**Security**	**Amount**

Oath of Applicant

I declare under penalty of perjury that this application and all attachments are true, correct, and complete to the best of my knowledge.

Authorized Signature



Print Signature

Corey Basquez

Title

Corportive Officer

Date (MM/DD/YY)

01/29/2025

DR 8404-I (03/06/24)
COLORADO DEPARTMENT OF REVENUE
Liquor Enforcement Division
PO Box 17087
Denver CO 80217-0087
(303) 205-2300

RECEIVED
FEB 0 4 2025
Town of Elizabeth

Individual History Record

To be completed by the following persons, as applicable: sole proprietors; general partners regardless of percentage ownership, and limited partners owning 10% or more of the partnership; all principal officers of a corporation, all directors of a corporation, and any stockholder of a corporation owning 10% or more of the outstanding stock; managing members or officers of a limited liability company, and members owning 10% or more of the company; and any intended registered manager of Hotel and Restaurant, Tavern and Lodging and Entertainment class of retail license

---

Notice: This individual history record requires information that is necessary for the licensing investigation or inquiry. All questions must be answered in their entirety or the license application may be delayed or denied. If a question is not applicable, please indicate so by "N/A". **Any deliberate misrepresentation or material omission may jeopardize the license application.** (Please attach a separate sheet if necessary to enable you to answer questions completely)

Name of Business

EKBAR LLC

Home Phone Number

Cellular Number

[redacted]

Your Full Name (last, first, middle)

FINLEY, TEDDY, LEE

List any other names you have used

Mailing address (if different from residence)

[redacted]

Email Address

[redacted]

1. List current residence address. Include any previous addresses within the last five years. (Attach separate sheet if necessary)

Current Street and Number

[redacted]

Current City, State, ZIP

KIOWA, CO 80117

From:

2019

To:

2025

Previous Street and Number

Previous City, State, ZIP

From:

To:

Individual History Record (Continued)

2. List all employment within the last five years. Include any self-employment. (Attach separate sheet if necessary)

Name of Employer or Business

RVTA LLC

Address (Street, Number, City, State, ZIP)

8175 CHERRYWOOD CIR, KIOWA CO 80117

Position Held

PRESIDENT

From: 2015 To: 2025

Name of Employer or Business

Address (Street, Number, City, State, ZIP)

Position Held

From: To:

Name of Employer or Business

Address (Street, Number, City, State, ZIP)

Position Held

From: To:

3. List the name(s) of relatives working in or holding a financial interest in the Colorado alcohol beverage industry.

Name of Relative Relationship to You:

Position Held Name of Licensee

Name of Relative Relationship to You:

Position Held Name of Licensee

Individual History Record (Continued)

Name of Relative	Relationship to You:
Position Held	**Name of Licensee**
Name of Relative	**Relationship to You:**
Position Held	**Name of Licensee**

4. Have you ever applied for, held, or had an interest in a Colorado Liquor or Beer License, or loaned money, furniture, fixtures, equipment or inventory to any licensee? ..... ◉ Yes ○ No

(If yes, answer in detail.)

5. Have you ever received a violation notice, suspension, or revocation for a liquor law violation, or have you applied for or been denied a liquor or beer license anywhere in the United States?..... ○ Yes ◉ No

(If yes, answer in detail.)

6. Have you ever been convicted of a crime or received a suspended sentence, deferred sentence, or forfeited bail for any offense in criminal or military court or do you have any charges pending?..... ○ Yes ◉ No

(If yes, answer in detail.)

7. Are you currently under probation (supervised or unsupervised), parole, or completing the requirements of a deferred sentence?..... ○ Yes ◉ No

(If yes, answer in detail.)

Individual History Record (Continued)

8. Have you ever had any professional license suspended, revoked, or denied?..... ○ Yes ◉ No

(If yes, answer in detail.)

Personal and Financial Information

Unless otherwise provided by law, the personal information required in this section will be treated as confidential. The personal information required in this section is solely for identification purposes.

Date of Birth	Social Security Number	Place of Birth
[redacted]	[redacted]	COLORADO

U.S. Citizen ○ Yes ○ No

If Naturalized, state where	When

Name of District Court	Naturalization Certificate Number	Date of Certification

If an Alien, Give Alien's Registration Card Number	Permanent Residence Card Number

Height	Weight	Hair Color	Eye Color	Gender
5'-10"	158	BROWN	HAZEL	MALE

Do you have a current Driver's License/ID? If so, give number and state. ..... ◉ Yes ○ No

Driver's License Number	Driver's License State
[redacted]	COLORADO

Financial Information

9. Total purchase price or investment being made by the applying entity, corporation, partnership, limited liability company, other.....

10. List the total amount of the **personal** investment, made by the person listed on page 1 in this business including any notes, loans, cash, services or equipment, operating capital, stock purchases or fees paid..... [redacted]

NOTE: If corporate investment only, please skip to and complete question 12
NOTE: Question 10 should reflect the total of questions 11 and 13

Personal and Financial Information (Continued)

11. Provide details of the personal investment described in question 10. You must account for all of the sources of this investment. (Attach a separate sheet if needed)

Type: Cash, Services or Equipment	Account Type
Fixtures, Furniture and Equipment	Checking
Bank Name	**Amount**
Canvas	[redacted]
Type: Cash, Services or Equipment	**Account Type**
Bank Name	**Amount**
Type: Cash, Services or Equipment	**Account Type**
Bank Name	**Amount**
Type: Cash, Services or Equipment	**Account Type**
Bank Name	**Amount**

12. Provide details of the corporate investment described in question 9. You must account for all of the sources of this investment. (Attach a separate sheet if needed)

Type: Cash, Services or Equipment	Loans	Account Type
Bank Name	**Amount**	
Type: Cash, Services or Equipment	**Loans**	**Account Type**
Bank Name	**Amount**	
Type: Cash, Services or Equipment	**Loans**	**Account Type**
Bank Name	**Amount**	

13. Loan Information (Attach copies of all notes or loans)

Name of Lender		Address
Term	**Security**	**Amount**

Personal and Financial Information (Continued)

Name of Lender		Address
Term	**Security**	**Amount**
Name of Lender		**Address**
Term	**Security**	**Amount**
Name of Lender		**Address**
Term	**Security**	**Amount**

Oath of Applicant

I declare under penalty of perjury that this application and all attachments are true, correct, and complete to the best of my knowledge.

Authorized Signature



Print Signature

Teddy Finley

Title	Date (MM/DD/YY)
Owner	01/29/2025

CONSENT TO RELEASE FINANCIAL INFORMATION

TO WHOM IT MAY CONCERN:

WHEREAS, application for LIQUOR LICENSE has been submitted by EKBAR LLC (Company Name) and I, Teddy Finley (Applicant Name) am associated with said applicant in the capacity of owner (Position in Company) and fully understand that an investigation of my credit standing and business reputation is necessary for the approval of said license.

NOW THEREFORE, I herby consent to and authorize the release of any and all personal business books, record, checkbooks, bank statements, and records, financial data, balance sheets, income accounts, forms and all other applicable data and information relative to my credit standing and business reputation by any person or entity having possession or control thereof to any person presenting a signed copy of this Consent to Release Financial Information, or a true copy of a signed copy thereof, upon the express condition, however, that said release is limited to an investigation, conducted pursuant to the aforesaid licensing and operation thereunder, but this consent shall continue to operate so long as the above named licensee shall hold said license, if granted and for the term or terms of any renewals or extension thereof.

Signature

2-4-25
Date

State of Colorado)
) SS
County of Elbert

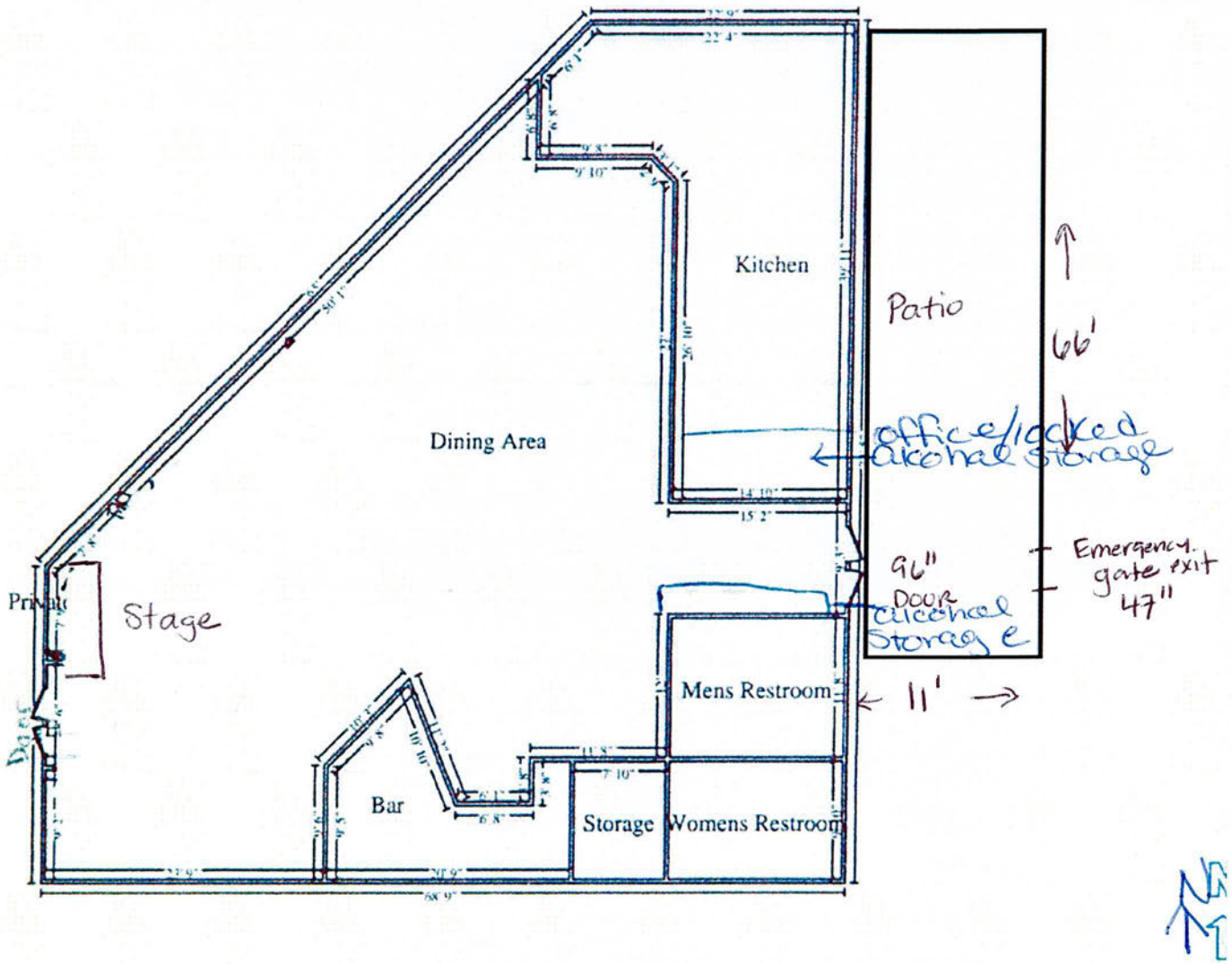
Subscribed and sworn to, before me this 4th *day of* February, *20* 25, *by* Teddy Finley.

In witness hereof, I hereunto set my hand and official seal.

March 16, 2027
Commission Expiration

Melissa Kagan
Notary Public

MELISSA KAGAN
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20234010346
MY COMMISSION EXPIRES MARCH 16, 2027



Elizabeth Kitchen & BAR

DR 8004 (04/30/24)
COLORADO DEPARTMENT OF REVENUE
Liquor Enforcement Division
PO BOX 17087
Denver CO 80217-0087
(303) 205-2300

Wholesaler Affidavit of Compliance

Section 44-3-303(1)(d), C.R.S.

Wholesaler Licensee Name (If an LLC; partnership; corporation or name of corporation)
Eagle Rock Distributing Company of Colorado LLC

Trade Name of Establishment / Doing Business As (DBA)
Eagle Rock Distributing Company

License Number	Phone Number	Email Address
03-14130	770-498-5500	rachel.eastwood@eaglerocks.com

Physical Address
1455 E 62nd Avenue

City	State	ZIP Code
Denver	CO	80216

Transferor Retailer Licensee Name
FULL MOON SALOON

Trade Name of Establishment / Doing Business As (D B A)
FULL MOON SALOON LLC, EDGAR VANCE YORK IV

License Number	Phone Number
03-20473	303-646-8695

Physical Address
240 SOUTH ELIZABETH STREET SUITE I

City	State	ZIP Code
ELIZABETH	CO	80107

The above wholesaler affirms that all alcohol beverages delivered to the above transferor retailer are:

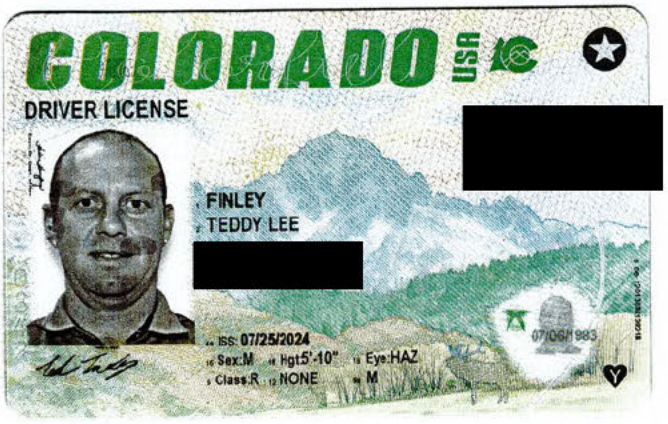
- (●) Paid in Full (only for the purposes of complying with section 44-3-303(1)(d), C.R.S.)
  Note: If Paid in full is selected, the wholesaler may no longer extend credit to the transferee or transferor until the local and state licensing authorities have approved the transfer of the liquor license.
- ( ) Not Paid in Full

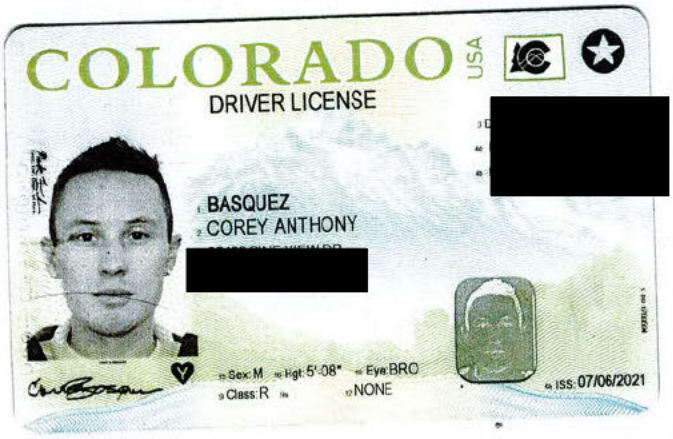
Wholesaler
Eagle Rock Distributing Company

Printed Name
Rachel Eastwood

Title
AR Specialist

Signature	Date (MM/DD/YY)
Rachel L Eastwood	1/17/25


COLORADO
USA
DRIVER LICENSE
[redacted]
FINLEY
TEDDY LEE
[redacted]
ISS: 07/25/2024
Sex:M
Hgt:5'-10"
Eye:HAZ
Class:R
NONE
M


COLORADO
USA
DRIVER LICENSE
[redacted]
BASQUEZ
COREY ANTHONY
[redacted]
Sex:M
Hgt:5'-08"
Eye:BRO
Class:R
NONE
ISS:07/06/2021

OFFICE OF THE SECRETARY OF STATE
OF THE STATE OF COLORADO

CERTIFICATE OF FACT OF GOOD STANDING

I, Jena Griswold, as the Secretary of State of the State of Colorado, hereby certify that, according to the records of this office,

EKBAR LLC

is a

Limited Liability Company

formed or registered on 01/17/2025 under the law of Colorado, has complied with all applicable requirements of this office, and is in good standing with this office. This entity has been assigned entity identification number 20251058332 .

This certificate reflects facts established or disclosed by documents delivered to this office on paper through 01/30/2025 that have been posted, and by documents delivered to this office electronically through 01/31/2025 @ 11:24:03 .

I have affixed hereto the Great Seal of the State of Colorado and duly generated, executed, and issued this official certificate at Denver, Colorado on 01/31/2025 @ 11:24:03 in accordance with applicable law. This certificate is assigned Confirmation Number 16955730 .

Jena Griswold

Secretary of State of the State of Colorado

**********End of Certificate**********

Notice: A certificate issued electronically from the Colorado Secretary of State's website is fully and immediately valid and effective. However, as an option, the issuance and validity of a certificate obtained electronically may be established by visiting the Validate a Certificate page of the Secretary of State's website, https://www.coloradosos.gov/biz/CertificateSearchCriteria.do entering the certificate's confirmation number displayed on the certificate, and following the instructions displayed. Confirming the issuance of a certificate is merely optional and is not necessary to the valid and effective issuance of a certificate. For more information, visit our website, https://www.coloradosos.gov click "Businesses, trademarks, trade names" and select "Frequently Asked Questions."

ATTACHMENT TO ARTICLES OF ORGANIZATION

OF

EKBAR LLC
(the company)

Article 1

Purposes and Powers

1.1 Purpose. The company has the purpose of engaging in any lawful business.

1.2 Powers. The company shall have the same powers as an individual to do all things necessary or convenient to carry out its business and affairs, including those powers specified in the Colorado Limited Liability Company Act.

Article 2

Limitation of Member/Manager Liability

A member/manager of the Company shall not be personally liable to the Company or to its members for monetary damages for breach of fiduciary duty as a member/manager; except that this provision shall not eliminate or limit the liability of a member/manager to the Company or to its members for monetary damages otherwise existing for (i) acts or omissions not in good faith or which involve intentional misconduct or a knowing violation of law; (ii) contributions or acts specified in Sections 7-80-502 and 7-80-606 of the Colorado Limited Liability Company Act; or (iii) any transaction from which the member/manager directly or indirectly derived any improper personal benefit. If the Colorado Limited Liability Company Act is hereafter amended to eliminate or limit further the liability of a member/manager, then, in addition to the elimination and limitation of liability provided by the preceding sentence, the liability of each member/manager shall be eliminated or limited to the fullest extent permitted by the Colorado Limited Liability Company Act as so amended. Any repeal or modification of this Article 2 shall not adversely affect any right or protection of a member/manager of the Company under this Article 2, as in effect immediately prior to such repeal or modification, with respect to any liability that would have accrued, but for this Article 2, prior to such repeal or modification.

Article 3

Membership Interest Transfer Restrictions

The Company shall have the right to impose restrictions upon the transfer of any of its membership interests or LLC units or any interest therein. The members/managers are hereby authorized on behalf of the Company to exercise the Company's right to so impose such restrictions.

Article 4

Indemnification

The Company shall indemnify, to the fullest extent permitted by applicable law in effect from time to time, any person, and the estate and personal representative of any such person, against all liability and expense (including attorneys' fees) incurred by reason of the fact that he or she is or was a member or manager of the Company. The Company shall also indemnify any person who is serving or has served the Company as an officer, employee, fiduciary, or agent and that person's estate and personal representative, to the extent and in the manner provided in any operating agreement, resolution of the members/managers, contract, or otherwise, so long as such provision is legally permissible

LEASE ASSIGNMENT AND ASSUMPTION AGREEMENT

THIS LEASE ASSIGNMENT AND ASSUMPTION AGREEMENT (this "***Agreement***") is entered into as of January 21, 2025 (the "***Effective Date***"), among THE FULL MOON SALOON, LLC, a Colorado limited liability company, with its principal address at 240 Elizabeth Street, Unit I, Elizabeth, Colorado, 80107 (the "***Assignor***"), EKBAR LLC, a Colorado limited liability company, with its principal address at 3200 Pine View Drive, Kiowa, CO 80117 (the "***Assignee***"), and GOLD CREEK SC, LLC, Colorado limited liability company, with its principal address at 150 White Plains Road, Suite 300, Tarrytown, New York 10591 (the "***Landlord***").

RECITALS

A. Assignor leases "Unit I," consisting of approximately 4,075 rentable square feet, in the building located 240 Elizabeth Street, Elizabeth, Colorado, 80107 (the "***Premises***"), pursuant to the Lease Agreement dated December 5, 2023 (the "***Lease***"), between Assignor, as tenant, and Landlord, landlord.

B. Assignor has agreed to assign its interest in the Lease to Assignee, and Assignee has agreed to assume and perform all of the obligations and liabilities of Assignor with respect to the Lease.

C. Landlord desires to consent to the assignment of the Lease.

NOW, THEREFORE, in consideration of the mutual covenants and promises contained herein, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties agree as follows:

1. **Assignment of the Lease**. Assignor hereby assigns, transfers, and conveys to Assignee all of Assignor's right, title, and interest in, to, and under the Lease and the Premises, effective as of the Effective Date, subject to all the terms, covenants, conditions and provisions of this Agreement and the Lease.

2. **Assumption of the Lease**. Assignee hereby agrees to and accepts such assignment and, in addition, expressly assumes and agrees to keep, perform and fulfill all of the terms, covenants, obligations and conditions required to be kept, performed and fulfilled by Assignor under or with respect to the Lease from and after the Effective Date. Assignee shall accept the Premises covered by the Lease in its "as is" condition.

3. **Landlord's Consent**. By its execution hereof, Landlord hereby acknowledges and consents to Assignor's assignment of its right, title and interest in the Lease. Landlord acknowledges receipt of ***$1,500*** from Assignor for Landlord's review and processing of this Agreement. In addition, Assignor and Assignee agree that Landlord reserves the right to charge reasonable legal fees incurred by Landlord with respect to the review of this Agreement. This Agreement shall not be deemed effective for any purpose unless and until Landlord's execution hereof is obtained.

4. **Indemnification**.

4.1 Assignor hereby indemnifies and holds Assignee, and its officers, directors, members, managers, employees, and agents, harmless from and against any loss, cost, claim or liability, including attorneys' fees and costs, relating to or in connection with the Lease prior to the Effective Date. Assignor understands and agrees that in no event shall Assignor, by reason of Landlord's approval of this Assignment, be deemed relieved from any obligation or liability under the Lease that may have accrued prior to the Effective Date.

4.2 Assignee hereby indemnifies and holds Assignor and Landlord, and their respective and its officers, directors, members, managers, employees, and agents, harmless from and against any loss, cost, claim or liability, including attorneys' fees and court costs, relating to or in connection with the Lease from and after the Effective Date. In addition to the preceding sentence, Assignee agrees that any claim for indemnification arising hereunder shall include, without limitation, consequential damages and property damage related to, or arising out of, Assignee's operations or occupancy of the Premises.

1/3

4.3 Landlord shall indemnify, defend, and hold harmless Assignor and Assignee, and their respective officers, directors, members, managers, employees, and agents, from and against any and all claims, liabilities, damages, costs, and expenses (including reasonable attorneys' fees) arising out of or related to Landlord's failure to perform its obligations under the Lease or this Agreement.

5. **Insurance**. Assignee shall promptly provide Landlord with evidence of insurance as required under the Lease.

6. **Springing Lockbox and Account Control**. On or prior to the Effective Date, or as soon as reasonably practicable thereafter, Tyler Weston ("***Mr. Weston***") and Assignee shall establish a springing lockbox account (the "***Lockbox Account***") with a financial institution agreed to by Mr. Weston and Assignee (the "***Bank***"), and to enter into a lockbox agreement with the Bank. All revenues generated from operations at the Premises shall be immediately deposited by Assignee into the Lockbox Account. In the event a default or breach under the Lease occurs, Mr. Weston shall have automatic control rights to access the Lockbox Account to cure the default or breach. Upon the occurrence of a default or breach under the Lease, Landlord shall provide written notice to Mr. Weston so as to allow Mr. Weston sufficient time to cure said default or breach (and Landlord shall accept such cure from Mr. Weston) (such amounts expended by Mr. Weston to cure said default(s) or breach(es) are referred to herein as the "***Cure Payments***"). Assignee and Ted Finley shall, on a joint and several basis, be liable to Mr. Weston for the Cure Payments, and in connection therewith, shall reimburse the Cure Payments to Mr. Weston upon written demand therefor. To secure the full and punctual payment and performance of all obligations of Assignee, as tenant, under the Lease, Assignee shall grant to Mr. Weston a first priority continuing security interest in and to all of Assignee's "***accounts,***" "***chattel paper,***" "***documents,***" "***general intangibles,***" "***instruments,***" "***inventory,***" "***fixtures,***" "***contract rights,***" "***equipment***" and all "***proceeds***" of any of the foregoing (as each term is defined in Article 9 of the Uniform Commercial Code then in effect for the State of Colorado (the "***UCC***"), and Mr. Weston shall have all of the rights and remedies available to him as a secured party under the UCC.

7. **Default Remedies**. Upon the occurrence of a default or breach by Assignee of the Lease or this Agreement, Assignor and Landlord shall each have all rights and remedies available to it at law or in equity.

8. **Representations and Warranties**.

8.1 Assignor represents and warrants that it has not previously assigned, transferred, or encumbered its leasehold interest in the Lease and it has full authority to execute this Agreement.

8.2 Assignee represents and warrants that it has reviewed the Lease, is fully aware of its terms and conditions, and has the financial capacity and operational experience to perform its obligations thereunder.

9. **Security Deposit; Pre-Paid Rent**. Landlord acknowledges that Landlord is holding a security deposit in the amount of $20,979.46 and first month's rent in the amount of [$10,489.73], which in the aggregate equals $31,469.19 (the "**Pre-Paid Amount**"). On or prior to the Effective Date, Assignee shall pay to Assignor, in cash, by wire transfer of immediately available funds to an account designated by Assignor in writing, the Pre-Paid Amount.

10. **Lease Guaranty**. Landlord acknowledges and agrees that upon the expiration of the initial term of the Lease (i.e., December 31, 2028) (the "***Expiration Date***"), Mr. Weston, as guarantor under the Guaranty, shall be released from all liabilities and obligations arising thereunder from and after the Expiration Date. For the avoidance of doubt, in the event Assignee properly exercises the Option to extend the initial Term of the Lease (such period, the "***Option Term***"), Mr. Weston shall have no liabilities or obligations under the Guaranty with respect to Tenant's payment and performance obligations under the Lease during the Option Term.

11. **Survival**. The provisions of Sections 4, 6, 7 and 10 of this Agreement shall survive the Effective Date.

12. **Miscellaneous**. This Agreement constitutes the entire agreement among the parties with respect to the subject matter hereof and supersedes all prior agreements, representations, and understandings, whether written or oral. This Agreement shall be governed by and construed in accordance with the laws of the State of Colorado. This Agreement may be amended or modified only by a written instrument executed by all parties hereto. If any provision of this Agreement is found to be invalid or unenforceable, the remaining provisions shall remain in full force and effect. This Agreement may be executed in multiple counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument. This Agreement shall be binding on and inure to the benefit of the parties hereto, their successors and assigns. The execution, delivery and performance of this Agreement by the parties hereto have been duly and effectively authorized by all necessary action on the part of such parties.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the Effective Date.

ASSIGNOR:

THE FULL MOON SALOON LLC,
a Colorado limited liability company

By: Tyler Weston 1/23/2025
Tyler Weston

ASSIGNEE:

EKBAR LLC,
a Colorado limited liability company

By: 01/23/25
Ted Finley

LANDLORD: Aproval of Assignment Only

GOLD CREEK SC, LLC,
Colorado limited liability company

By: Howard Dean Mgr Member.
Howard Dean

Acknowledged and agreed to by the undersigned with respect to the provisions of Section 6 of this Agreement.

Tyler Weston 1/23/2025
Tyler Weston

01/23/25
Ted Finley

3/3

TO: Honorable Mayor, Mayor Pro Tem, and Board of Trustees
FROM: Patrick Davidson, Town Administrator
DATED: January 28, 2025
SUBJECT: Land Exchange for The Depot Downtown Parking Facility in Elizabeth

BACKGROUND

In 2009 the Town had prepared a *Community Revitalization Report*. The details of the report indicated that parking in and around Main Street was a substantial concern for both merchants as well as residents of the community. In 2015, and in conjunction with the Town's Main Street application process, a *Downtown Strategic Plan* was developed which, likewise, indicated the need for parking in and around Main Street. This Plan was not only the focus for the design of the Main Street Streetscape Project, but also the basis for an area parking facility in downtown.

In 2022, the Board of Trustees began to seek additional parking in the Downtown/Main Street area due to a stark increase in both the number of and the participation in Town events. These events included increased participation in the Friday Night Markets; the Historic Walk and Talk; the Elizabeth 5k and Family Fun Run; and "Elizabash" / Stampede Rodeo events. In keeping with this approach, in 2023, the Town acquired 444 South Main Street for construction and development of a parking facility.

In 2024, the adjacent property owner to 444 South Main proposed a land-swap to both expand the potential parking lot, but to better configure the lots to ensure the Main Street frontage of 444 South Main would remain for development purposes (its highest and best use). The matter before the Board now takes into consideration the prior planning, design, electrical reconfiguration, engineering, and zoning required to bring The Depot to fruition.

In summary, the Town will exchange the West half of 444 South Main Street [approximately 17,157.10 sq. ft.] for those lands generally behind the property commonly known as The Carriage Shoppes. The total acreage to be acquired by the Town is approximately 32,273.50 sq. ft. for a net increase of approximately 15,116.40 sq. ft. The Town would also be responsible for the net payment of one hundred sixty thousand, six hundred eighty-seven dollars and thirty-four cents ($160,687.34) to equalize the transaction.

ANALYSIS

Parking on Main Street and within Downtown has been a topic for consideration for at least the past sixteen (16) years and has been specifically called out in both the *Community Revitalization Report* as well as the *Downtown Strategic Plan*. Additionally, the Board of Trustees has made this item a priority since 2022. With the Town now in ownership of 444 South Main Street, funding has been allocated for the purchase and land trade; and with construction funding available within the 2025 approved budget, this matter is now ripe for final action by the Board of Trustees.

STAFF RECOMMENDATION
Staff recommends the approval of the transaction.

BUDGET CONSIDERATIONS
The Town's 2025 Adopted Budget anticipated the expenditures detailed above. Specifically, the *Capital Improvement Fund*, Account 31-80-0100 allocated $250,000.00 for land acquisition, with the above transaction leaving approximately $89,312.66 unspent after the transaction. Consequently, all financial obligations for the acquisition of the property are met.

Additionally, the Town's 2025 Adopted Budget for the *Capital Improvement Fund* called out $85,000 in Account 31-80-5525 for the Main Street Monument Sign[1]; $770,000 in Account 31-80-6510 for the 444 S. Main/Spruce Project; and $300,000 in Account 31-80-6530 for The Depot parking lot. The total of these line items within the *Capital Improvement Fund* and directly associated with The Depot and the completion of the adjacent Spruce Street project is $1,155,000.

Likewise, the *Street Capital Fund Account Fund* for 2025 provided $630,000 in Account 32-49-0115 for the 444 S. Main/Spruce Project; and $300,000 in Account Number 32-49-9125 for The Depot parking lot. With these accounts combined, the *Street Capital Account Fund* provides $930,000 in available funds for the completion of The Depot.

ATTACHMENTS
Resolution 25R07 - A Resolution Authorizing the Mayor of Elizabeth to Execute a Land Exchange Agreement with Bulmer; Authorizing the Payment of Funds Under the Agreement; and Authorizing the Mayor to Execute Deeds and Other Documents Necessary to Effectuate the Agreement.

[1] The Main Street Monument Sign project came in well above estimates for the project.

RESOLUTION 25R07

A RESOLUTION AUTHORIZING THE MAYOR OF ELIZABETH TO EXECUTE A LAND EXCHANGE AGREEMENT WITH DON AND LINDA BULMER; AUTHORIZING THE PAYMENT OF FUNDS UNDER THE AGREEMENT; AND AUTHORIZING THE MAYOR TO EXECUTE DEEDS AND OTHER DOCUMENTS NECESSARY TO EFFECTUATE THE AGREEMENT.

WHEREAS the Board of Trustees for the Town of Elizabeth find it advisable to enter into the attached Agreement with Don and LindaBulmer for purposes of exchanging certain real property (attached "Exhibit A"); and

WHEREAS the Agreement requires the Town of Elizabeth to tender the sum of one hundred sixty thousand six hundred eighty-seven dollars and thirty-three cents ($160,687.33) to Don and Linda Bulmer to account for the difference in property square footage between the exchanged properties; and

WHEREAS the Town of Elizabeth is required to execute deeds and complete a replat of the properties to effectuate the transaction contemplated in the Agreement.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF ELIZABETH, COLORADO AS FOLLOWS:

SECTION 1. The Board of Trustees hereby authorizes the Mayor of the Town of Elizabeth to enter into the agreement identified as attached Exhibit A; and further authorizes the expenditure of one hundred sixty thousand six hundred eighty-seven dollars and thirty-three cents ($160,687.33) to be paid to Bulmer in furtherance of this Agreement; and authorizing the Mayor to execute deeds and any other documents required to effectuate the Agreement.

PASSED, APPROVED, and ADOPTED this 11th day of February 2025, by the Board of Trustees of the Town of Elizabeth, Colorado, on first and final reading, by a vote of _____ for and _____ against.

_____
Angela Ternus, Mayor

ATTEST:

_____
Michelle M. Oeser, Town Clerk

LAND EXCHANGE/PURCHASE AND SALE AGREEMENT

THIS LAND EXHANGE/PURCHASE AND SALE AGREEMENT (the "Agreement" or the "Land Exchange) is made and entered into as of this ___ day of _____, 2025 (the "Effective Date"), by and between the TOWN OF ELIZABETH, COLORADO, a Colorado municipal corporation with an address of 151 South Banner Street, Elizabeth, CO 80107, (the "Town"), and DON S. BULMER AND LINDA M. BULMER, as Joint Tenants with an address of 7814 Lost Lake Dr, Franktown, CO, 80116, ("Bulmer") (each a "Party" and collectively the "Parties").

WHEREAS, the Town owns the real property more particularly described in **Exhibit A**, attached hereto and incorporated herein by this reference (the "Town Property");

WHEREAS, Bulmer owns the real property more particularly described in **Exhibit B**, attached hereto and incorporated herein by this reference (the "Bulmer Property");

WHEREAS, Bulmer wishes to transfer a portion of the Bulmer Property to the Town, on the terms set forth in this Agreement;

WHEREAS, the Town wishes to transfer a portion of the Town Property to Bulmer, on the terms set forth in this Agreement; and

WHEREAS, as a condition to accomplishment of the Land Exchange, the Town and Bulmer shall submit an application to replat the properties that are the subject of this Agreement to create the necessary platted properties to be exchanged herein according to the terms set forth in this Agreement.

NOW, THEREFORE, for the consideration hereinafter set forth, the receipt and sufficiency of which are hereby acknowledged, the Parties agree as follows:

1. Replat. Prior to conveyance by the Town to Bulmer or by Bulmer to the Town, the Parties shall apply to replat the various properties necessary to accomplish the Land Exchange, as generally depicted in **Exhibit C**, attached hereto and incorporated herein by this reference (the "Replat"). The Replat shall be a condition precedent to any conveyance of property by the Town to Bulmer or by Bulmer to the Town.

2. Conveyance.

a. *Town's Conveyance*. The Town agrees to convey, sell, transfer and assign to Bulmer, and Bulmer agrees to purchase from the Town, on the terms and conditions of this Agreement, the Town Property also shown as Bulmer Filing No. 1 Lot 3 as depicted on **Exhibit C**, including all improvements thereon and any appurtenant rights now owned by the Town, such conveyance to be by Bargain and Sale Deed as more particularly described hereinbelow.

b. *Bulmer's Conveyance*. Bulmer agrees to convey, sell, transfer and assign to the Town, and the Town agrees to purchase from Bulmer, on the terms and conditions of this Agreement, the Bulmer Property, also shown as Bulmer Filing No. 1 Lot 1 as depicted on **Exhibit**

C, including all improvements thereon and any appurtenant rights now owned by Bulmer, such conveyance to be by Special Warranty Deed as more particularly described hereinbelow.

c. *Easements*. The conveyances set forth herein shall include and be subject to those easements shown on Exhibit C.

3. Property Transfer Price. The Town Property is 18,355 square feet, more or less, and the Bulmer Property is 32,931 square feet, more or less. Therefore, the Town shall pay $160,687.33 to Bulmer (the "Property Transfer Price"), which represents the square foot difference in the size of the Town and Bulmer Properties, at a rate of $10.63 per square foot, taking into account the easements reserved within **Exhibit C**. The Town and Bulmer, both having reasonable knowledge of all the necessary facts, and neither being under any compulsion to buy or sell, and bargaining at arms-length with each other, agree that both lots are closely located and comparable on Main Street, have the same per square foot fair market value of $10.63. The Property Transfer Price shall be paid by the Town at closing in good funds which comply with applicable Colorado law.

4. Evaluation Period. The Town and Bulmer shall have the period commencing on the Effective Date and continuing for sixty (60) days thereafter (the "Evaluation Period") in which to determine whether the Town and Bulmer Properties are satisfactory for either Party's proposed use, in either Party's sole and absolute discretion.

a. Within ten days after the Effective Date, the Town and Bulmer shall deliver to each other a commitment (the "Title Commitment") for title insurance policy on each Party's respective Property, issued by the Title Company, in the amount of the Property Transfer Price, together with copies of all items referred to therein, covering title to each Property on or after the Effective Date.

b. Within ten days after the Effective Date, the Town and Bulmer shall make available to each other for inspection and copying all reports and other documents in either Party's possession or under either Party's control which affect the value of either Property or otherwise relate to either Property, except any such document which is confidential or proprietary to a third party including without limitation environmental reports, soil reports, engineering drawings, utility plans, road plans easements, rights of way, signage licenses and easements.

c. If, after review of the matters submitted pursuant to this Section 4 and inspection of each Property through both the Evaluation and Entitlement Periods, either the Town or Bulmer determines in its sole discretion that the Property it intends to acquire is unsatisfactory for its desired purposes in any respect, either Party may terminate this Agreement by written notice delivered to the other Party and the Title Company within the Entitlement Period. Upon delivery of such notice, this Agreement shall terminate, and the Parties shall be released from all further obligations hereunder.

5. Entitlement Period. The Town and Bulmer shall have 120 days from the Effective Date to obtain all necessary approvals for the Replat. If the Parties are unable to obtain the replat, either Party shall have the right to terminate this Agreement.

6. Title Matters.

a. The Town and Bulmer shall be entitled to object to any matters shown in the Title Commitment or the Survey by a written notice of objections delivered to the other Party within 30 days of each Party's receipt of the Title Commitment, the Survey and related documents. Either Party may, but is not required to, respond to the other Party's objections in writing within 30 days, proposing to take action to satisfy any or all such objections or declining to take action to satisfy any of such objections.

b. The Town or Bulmer may waive or approve a title objection by providing written notice of the waiver or approval prior to the end of the Evaluation Period. If either Party fails to deliver a notice of objections to the other Party prior to the end of the Evaluation Period, then that Party shall be deemed to have waived objection to all matters shown or noted on the Survey or appearing as exceptions to title on the Title Commitment, and all such matters shall be deemed to be "Permitted Exceptions."

c. If the Town or Bulmer declines to satisfy any of the other Party's stated objections and that Party does not terminate this Agreement at the end of the Evaluation Period, any matters previously listed in a notice of objections to title hereunder and not removed or otherwise eliminated shall also be deemed to be Permitted Exceptions.

7. Inspection. The Town, Bulmer, and their employees, designated agents, representatives, consultants, prospective lenders and tenants, and independent contractors will have the right to enter the Town and Bulmer Properties and the other common areas of that Property for the purposes of preparing, conducting and performing surveys, site plans, inspections, environmental reports, studies, testing and other similar matters. Either Party shall be responsible for all costs of such investigations and inspection of the Property it intends to receive and shall not allow any mechanic’s liens to be placed against that Property as a result of that Party's access, entry or inspections.

8. Closing. The closing will occur at the office of the Title Company, or at such other mutually agreeable location. Subject to Section 14 herein, the date of closing shall be 30 days after both the Town and Bulmer waive their rights under the Entitlement Period, or by mutual agreement, at a later or earlier date. The Town and Bulmer shall pay their respective closing costs and all other items required to be paid at closing, except as otherwise provided herein. The Town and Bulmer shall sign and complete all customary or required documents at or before closing.

9. Possession. Possession of the Town Property shall be delivered to Bulmer and possession of the Bulmer Property shall be delivered to the Town at closing.

10. Town's Deliverables.

a. *Bargain and Sale Deed.* On or prior to closing, the Town shall deliver to Bulmer a bargain and sale deed duly executed and acknowledged by the Town, conveying title to the Town Property to Bulmer, and such other instruments of transfer, certificates and additional documents as may be required hereunder or reasonably required by Bulmer or the Title Company, subject only to the Permitted Exceptions.

b. *Property Transfer Price.* On or prior to closing, the Town shall deliver to Bulmer the Property Transfer Price and other funds required to be paid or provided by the Town under this Agreement, and such other documents as may be required hereunder or reasonably required by Bulmer or the Title Company.

11. Bulmer's Deliverables. On or prior to closing, Bulmer shall deliver to the Town a special warranty deed duly executed and acknowledged by Bulmer, conveying title to the Bulmer Property to the Town, and such other instruments of transfer, certificates and additional documents as may be required hereunder or reasonably required by the Town or the Title Company, subject only to the Permitted Exceptions.

12. Town's Representations and Warranties. The Town hereby represents and warrants that the following statements are now, and will be as of the closing date, true and correct, to the best of the Town's knowledge.

a. There is no action, suit or proceeding pending, or to the best of the Town's knowledge threatened, against or otherwise affecting the Town or the Town Property in any court of law or equity, or before any governmental authority, in which an adverse decision might materially impair the Town's ability to perform its obligations under this Agreement.

b. There is no pending or threatened condemnation or similar proceeding affecting the Town Property.

c. The Town Property is being sold free and clear of all service contracts, agreements, leases and other occupancy rights.

d. The Town has not received any notice of any violations of any applicable law related to the Town Property.

e. The Town is not aware of any special assessments to be levied against the Town Property after its acquisition by Bulmer.

f. The Town shall give Bulmer prompt written notice if any of the representations or warranties made by the Town in this Agreement are no longer true or correct in any material manner.

13. Bulmer's Representations and Warranties. Bulmer hereby represents and warrants that the following statements are now, and will be as of the closing date, true and correct, to the best of Bulmer's knowledge.

a. There is no action, suit or proceeding pending, or to the best of Bulmer's knowledge threatened, against or otherwise affecting Bulmer or the Bulmer Property in any court of law or equity, or before any governmental authority, in which an adverse decision might materially impair Bulmer's ability to perform its obligations under this Agreement.

b. There is no pending or threatened condemnation or similar proceeding affecting the Bulmer Property.

c. The Bulmer Property is being sold free and clear of all service contracts, agreements, leases and other occupancy rights.

d. Bulmer has not received any notice of any violations of any applicable law related to the Bulmer Property.

e. Bulmer is not aware of any special assessments to be levied against the Bulmer Property after its acquisition by the Town.

f. Bulmer shall give the Town prompt written notice if any of the representations or warranties made by Bulmer in this Agreement are no longer true or correct in any material manner.

14. Condition of the Town and Bulmer Properties. Except as provided herein, the Town and Bulmer understand that they are purchasing their respective Properties in their existing condition, "as is." Except for those warranties expressly set forth herein, the Town and Bulmer make no warranties, representations or guarantees, either express or implied, of any kind, nature or type whatsoever. Without limiting the generality of the preceding sentence, both Parties acknowledge and agree that neither the Town, Bulmer, nor anyone acting for or on behalf of either Party make or have made any statements, promises, warranties or representations, either express or implied, with respect to the absence or presence of any hazardous substance, material or condition affecting either Property, the soil condition, geologic condition or other physical aspect of either Property or the accuracy or completeness of any reports or information pertaining to such matters.

15. Remedies.

a. *Bulmer's Remedies*. If the closing does not occur by reason of a breach of the Town, neither Party shall have any further obligation hereunder. Bulmer shall have all remedies available at law or equity for such breach, excluding, unless specifically provided by applicable laws, the remedy of specific performance.

b. *Town's Remedies*. If the closing does not occur by reason of a breach of Bulmer, and the Town has complied with the terms of this Agreement, the Town may terminate this Agreement by written notice to Bulmer and the Title Company. The Town shall have all remedies available at law or equity for such breach, excluding, unless specifically provided by applicable laws, the remedy of specific performance.

16. Miscellaneous.

a. *Entire Agreement*. This Agreement contains the entire agreement of the Parties. There are no other agreements, oral or written, and this Agreement can be amended only by written agreement signed by the Parties.

b. *Agreement Binding; Assignment*. This Agreement, and the terms, covenants, and conditions herein contained, shall inure to the benefit of and be binding upon the heirs, personal representatives, successors, and assigns of the Parties. Bulmer shall have the right to assign this Agreement without the Town's consent to an entity affiliated with or formed by one or more principals of Bulmer.

c. *Notice*. Any notice under this Agreement shall be in writing and shall be deemed sufficient when directly presented or sent pre-paid, first-class United States Mail to the party at the address set forth on the first page of this Agreement.

d. *Governing Law and Venue*. This Agreement shall be governed by the laws of the State of Colorado, and any legal action concerning the provisions hereof shall be brought in Elbert County, Colorado.

e. *Severability*. If any provision of this Agreement is found by a court of competent jurisdiction to be unlawful or unenforceable for any reason, the remaining provisions hereof shall remain in full force and effect.

f. *Third Parties*. There are no intended third-party beneficiaries to this Agreement.

g. *Subject to Annual Appropriation*. Consistent with Article X, § 20 of the Colorado Constitution, any financial obligation of the Town not performed during the current fiscal year is subject to annual appropriation, shall extend only to monies currently appropriated, and shall not constitute a mandatory charge, requirement, debt or liability beyond the current fiscal year.

h. *Governmental Immunity*. The Town and its officers, attorneys and employees, are relying on, and do not waive or intend to waive by any provision of this Agreement, the monetary limitations or any other rights, immunities or protections provided by the Colorado Governmental Immunity Act, C.R.S. § 24-10-101, *et seq.*, as amended, or otherwise available to the Town and its officers, attorneys or employees.

IN WITNESS WHEREOF, the Town and Purchaser have executed this Agreement as of the Effective Date.

TOWN OF ELIZABETH, COLORADO

_____
Angela Ternus, Mayor

ATTEST:

_____
Michelle Oeser, Town Clerk

BULMER

_____

STATE OF COLORADO)
) ss.
COUNTY OF _____)

Subscribed, sworn to and acknowledged before me this _____ day of _____, 20__, by _____.

My Commission expires: _____

(SEAL)

_____
Notary Public

EXHIBIT A
LEGAL DESCRIPTION OF THE TOWN PROPERTY

DESCRIPTION NO. 1

LOTS 2,3,4,5 AND 6,
BLOCK 13,
PHILLIPS ADDITION TO ELIZABETH,
COUNTY OF ELBERT,
STATE OF COLORADO

AND

DESCRIPTION NO. 2

A TRACT OF LAND SITUATED IN SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH P.M., TOWN OF ELIZABETH, ELBERT COUNTY COLORADO MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE SOUTHEAST CORNER OF LOT 6, BLOCK 13, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH;
THENCE N 09°03'56" W ALONG THE EAST BOUNDARY OF PHILLIPS ADDITION A DISTANCE OF 166.70 FEET TO THE SOUTHEAST CORNER OF LOT 1, BLOCK 13;
THENCE N 80°55'54" E A DISTANCE OF 125.97 FEET TO THE EAST LINE OF THE FORMER COLORADO AND SOUTHERN RAILROAD RIGHT OF WAY;
THENCE S 04°45'51" E ALONG SAID EAST LINE A DISTANCE OF 167.17 FEET TO THE NORTH LINE OF SPRUCE STREET;
THENCE S 80°56'04" W ALONG SAID NORTH LINE A DISTANCE OF 113.43 FEET TO THE POINT OF BEGINNING;
EXCEPTING THAT PORTION OF DEEDED TO THE TOWN OF ELIZABETH BY DEED RECORDED APRIL 22, 1998 AT RECEPTION NO. 364740;

COUNTY OF ELBERT,
STATE OF COLORADO

EXHIBIT B
LEGAL DESCRIPTION OF THE BULMER PROPERTY

PARCEL I:

A TRACT OF LAND LOCATED IN THE NE 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH P.M., AND BEING A PORTION OF THE AMENDED PLAT OF ELIZABETH AND PHILLIPS' ADDITION TO THE TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO, BEING FURTHER DESCRIBED AS FOLLOWS:

FOR THE PURPOSES OF THIS DESCRIPTION, BEARINGS ARE BASED ON THE WEST LINE OF THE COLORADO AND SOUTHERN RAILROAD RIGHT-OF-WAY AND ASSUMED TO BEAR SOUTH 09°03'56" EAST;

BEGINNING AT THE SW CORNER OF LOT 6, BLOCK 3 IN THE AMENDED PLAT OF ELIZABETH;
THENCE N09°03'56" W FOR 33.18 FEET TO THE NW CORNER OF SAID LOT 6;
THENCE N80°56'04" E FOR 100.06 FEET TO THE NE CORNER OF SAID LOT 6, BEING A POINT ON THE WEST LINE OF THE COLORADO AND SOUTHERN RAILROAD RIGHT-OF-WAY;
THENCE S09°03'56" E, AND ALONG SAID WEST RIGHT-OF-WAY LINE FOR 125.58 FEET TO THE SE CORNER OF LOT 1, BLOCK 13 IN PHILLIPS' ADDITION TO THE TOWN OF ELIZABETH;
THENCE S80°55'37" W FOR 100.00 FEET TO THE SW CORNER OF SAID LOT 1;
THENCE N09°05'13" W FOR 92.41 FEET TO THE POINT OF BEGINNING.

PARCEL II:

A TRACT OF LAND LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH P.M., BEING LOT 5, BLOCK 3 OF THE AMENDED PLAT OF ELIZABETH AND PART OF THE COLORADO AND SOUTHERN RAILROAD RIGHT-OF-WAY, COUNTY OF ELBERT, STATE OF COLORADO, BEING FURTHER DESCRIBED AS FOLLOWS:

FOR THE PURPOSES OF THIS DESCRIPTION, BEARINGS ARE BASED ON THE WEST LINE OF THE COLORADO AND SOUTHERN RAILROAD RIGHT-OF-WAY AND ASSUMED TO BEAR SOUTH 09°03'56" EAST;

BEGINNING AT THE NW CORNER OF LOT 6, BLOCK 3, IN THE AMENDED PLAT OF ELIZABETH;
THENCE N09°03'56" W FOR 33.18 FEET TO THE NW CORNER OF SAID LOT 5;
THENCE N80°56'04" E FOR 100.06 FEET TO THE NE CORNER OF SAID LOT 5, BEING A POINT ON THE WEST LINE OF THE COLORADO AND SOUTHERN RAILROAD RIGHT-OF-WAY;
THENCE N09°03'56"W, AND ALONG SAID WEST RIGHT-OF-WAY LINE FOR 132.06 FEET TO THE NE CORNER OF LOT 1, BLOCK 3 OF THE AMENDED PLAT OF ELIZABETH;
THENCE N80°57'56"E, ALONG THE EASTERLY EXTENSION OF THE NORTH LINE OF SAID LOT 1 FOR 130.00 FEET TO A POINT OF THE EAST LINE OF SAID RAILROAD RIGHT-OF-WAY AS ACQUIRED MAY 1, 1893 IN BOOK 22 AT PAGE 123 OF THE ELBERT COUNTY RECORDS;
THENCE S09°03'56"E, ALONG SAID EAST RIGHT-OF-WAY LINE FOR 237.99 FEET;
THENCE S04°45'52"E, CONTINUING ALONG SAID RIGHT-OF-WAY LINE FOR 52.89 FEET TO A POINT OF INTERSECTION WITH THE EASTERLY EXTENSION OF THE SOUTH LINE OF LOT 1, BLOCK 13 IN PHILLIPS' ADDITION TO THE TOWN OF ELIZABETH;
THENCE S80°55'37"W AND ALONG SAID LOT LINE EXTENSION TO THE SE CORNER OF SAID LOT 1, BLOCK 13 IN PHILLIPS' ADDITION;
THENCE N09°03'58"W, ALONG THE WEST RIGHT-OF-WAY LINE FOR 125.80 FEET TO THE NE CORNER OF LOT 6, BLOCK 3, IN ELIZABETH AMENDED;
THENCE S80°56'04"W FOR 100.06 FEET TO THE POINT OF BEGINNING.

EXHIBIT C
DEPICTION OF THE REPLAT OF THE BULMER AND TOWN PROPERTIES

BULMER FILING NO. 1
A REPLAT OF LOTS 5 AND 6, BLOCK 3 AND LOTS 1-6, INCLUSIVE, BLOCK 13, AND A PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN, TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO

LOT 1
BULMER FILING NO. 1
TOWN OF ELIZABETH
COUNTY OF ELBERT
STATE OF COLORADO
ALSO KNOWN AS (ADDRESS TO BE ASSIGNED)

LOT 2
BULMER FILING NO. 1
TOWN OF ELIZABETH
COUNTY OF ELBERT
STATE OF COLORADO
ALSO KNOWN AS 392 S MAIN STREET, ELIZABETH, CO 80107

LOT 3
BULMER FILING NO. 1
TOWN OF ELIZABETH
COUNTY OF ELBERT
STATE OF COLORADO
ALSO KNOWN AS 444 S MAIN STREET, ELIZABETH, CO 80107

BULMER FILING NO. 1

A REPLAT OF LOTS 5 AND 6, BLOCK 3 AND LOTS 1–6, INCLUSIVE, BLOCK 13, AND
A PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.

PROPERTY DESCRIPTION

A PARCEL OF LAND BEING LOTS 5 AND 6, BLOCK 3 TOWN OF ELIZABETH, LOTS 1 THOUGH 6 INCLUSIVE BLOCK 13, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH, A PORTION OF THE COLORADO AND SOUTHERN RAILWAY RIGHT–OF–WAY AND VACATED POPLAR STREET, ALL IN THE TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO, LOCATED IN THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, SAID TOWN, COUNTY, AND STATE, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF SAID SECTION 18, WHENCE THE NORTH LINE OF SAID NORTHEAST QUARTER BEARS NORTH 89°12'42" EAST, A DISTANCE OF 2642.37 FEET, ALL BEARINGS HEREIN ARE REFERENCED THERETO;

THENCE ALONG SAID NORTH LINE, NORTH 89°12'42" EAST, A DISTANCE OF 1140.98 FEET;

THENCE DEPARTING SAID NORTH LINE, SOUTH 00°47'18" EAST, A DISTANCE OF 572.03 FEET TO THE NORTHEAST CORNER OF LOT 1, BLOCK 3 AS SHOWN ON SAID TOWN OF ELIZABETH AND THE POINT OF BEGINNING;

THENCE NORTH 80°23'06" EAST, A DISTANCE OF 130.14 FEET TO THE EASTERLY LINE OF THE PARCEL OF LAND DESCRIBED IN THE DEED RECORDED IN BOOK 22 AT PAGE 123, IN THE OFFICIAL RECORDS OF SAID COUNTY;

THENCE ALONG SAID EASTERLY LIEN THE FOLLOWING 3 COURSES;

1. SOUTH 09°26'52" EAST, A DISTANCE OF 237.96 FEET;

2. SOUTH 05°06'01" EAST, A DISTANCE OF 53.08 FEET;

3. SOUTH 05°09'41" EAST, A DISTANCE OF 167.82 FEET TO THE EASTERLY PROLONGATION OF THE SOUTHERLY LINE OF SAID LOT 6, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH;

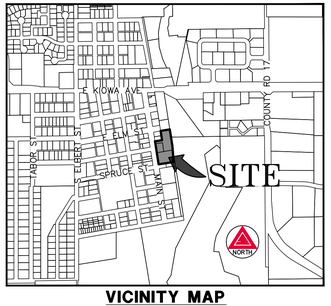
THENCE ALONG SAID EASTERLY PROLONGATION AND SAID SOUTHERLY LINE, SOUTH 80°30'04" WEST, A DISTANCE OF 213.19 FEET TO THE SOUTHWEST CORNER OF SAID BLOCK 13;

THENCE ALONG THE WESTERLY LINE OF SAID LOTS 1–6, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH, THE WESTERLY LINE OF SAID VACATED POPLAR STREET AND THE WESTERLY LINE OF SAID LOTS 5 AND 6, TOWN OF ELIZABETH, NORTH 09°27'48" WEST, A DISTANCE OF 326.06 FEET TO THE SOUTHWEST CORNER OF LOT 4, BLOCK 3, TOWN OF ELIZABETH;

THENCE ALONG THE SOUTHERLY LINE OF SAID LOT 4, NORTH 80°34'41" EAST, A DISTANCE OF 99.83 FEET TO THE SOUTHEAST CORNER OF SAID LOT 4, BLOCK 3;

THENCE ALONG THE EASTERLY LINE OF SAID BLOCK 3, NORTH 09°30'20" WEST, A DISTANCE OF 132.04 FEET TO THE POINT OF BEGINNING;

CONTAINING AN AREA OF 2.072 ACRES, (90,267 SQUARE FEET), MORE OR LESS.



VICINITY MAP
SCALE 1" = 1000'

TITLE VERIFICATION

I/WE_____,

OF_____ DO HEREBY CERTIFY THAT I/WE HAVE EXAMINED THE TITLE OF ALL LAND PLATTED HEREON AND THAT TITLE O SUCH LAND IS IN DEDICATOR(S) FREE AND CLEAR OF ALL LIENS, TAXES AND ENCUMBRANCES, EXCEPT AS FOLLOWS:

_____
(NOTARIZED SIGNATURE)

_____ _____
DATE COMPANY NAME

OWNERSHIP AND DEDICATION STATEMENT

THE UNDERSIGNED, BEING ALL THE OWNERS, MORTGAGEES, BENEFICIARIES OF DEEDS OF TRUST AND HOLDERS OF OTHER INTERESTS OF THE LANDS DESCRIBED HEREIN, HAVE LAID OUT, SUBDIVIDED AND PLATTED SAID LANDS INTO LOTS, TRACTS AND EASEMENTS AS SHOWN HEREON UNDER THE NAME AND STYLE OF BULMER FILING NO. 1. THE UTILITY EASEMENTS AS SHOWN HEREON ARE HEREBY DEDICATED FOR PUBLIC UTILITIES AND CABLE COMMUNICATION SYSTEMS AND OTHER PURPOSES AS SHOWN HEREON. THE ENTITIES RESPONSIBLE FOR PROVIDING THE SERVICES FOR WHICH THE EASEMENTS ARE ESTABLISHED ARE HEREBY GRANTED THE PERPETUAL RIGHT OF INGRESS AND EGRESS FROM AND TO ADJACENT PROPERTIES FOR INSTALLATION, MAINTENANCE AND REPLACEMENT OF UTILITY LINES AND RELATED FACILITIES. ALL STREETS AND RIGHTS OF WAY, SHOWN HEREON ARE DEDICATED AND CONVEYED TO THE TOWN OF ELIZABETH, COLORADO, IN FEE SIMPLE ABSOLUTE, FOR PUBLIC USES AND PURPOSES.

_____
SIGNATURE

_____
(OWNER)

BY: _____

TITLE: _____

ATTEST
SECRETARY _____
SIGNATURE

SUBSCRIBED AND SWORN TO BEFORE ME THIS _____ DAY OF _____, 20_____

BY _____

WITNESS MY HAND AN OFFICIAL SEAL

_____
NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

PLANNING COMMISSION

THIS FINAL PLATT WAS REVIEWED BY THE ELBERT COUNTY PLANNING COMMISSION ON THE

_____ DAY OF _____, 20_____, A.D.

_____
CHAIR, PLANNING COMMISSION

GENERAL NOTES

1. THE FIELD WORK FOR THIS SURVEY WAS PERFORMED BY AN AZTEC CONSULTANTS, INC. SURVEY CREW AND COMPLETED ON JULY 16, 2024
2. PER C.R.S. 38–51–106, "ALL LINEAL UNITS DEPICTED ON THIS LAND SURVEY PLAT ARE U.S. SURVEY FEET. ONE METER EQUALS 39.37/12 U.S. SURVEY FEET, EXACTLY ACCORDING TO THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY."
3. THE SURVEYED PARCEL CONTAINS A TOTAL OF 2.072 ACRES OR 90,267 SQUARE FEET, MORE OR LESS.
4. _____ TITLE GUARANTEE COMPANY TITLE COMMITMENT ORDER NO. _____ WITH AN EFFECTIVE DATE OF _____ __, 2024 AT 5:00 P.M. WAS RELIED UPON FOR RECORD INFORMATION REGARDING EASEMENT(S) AND ENCUMBRANCES(S). THIS SURVEY DOES NOT REPRESENT A TITLE SEARCH BY AZTEC CONSULTANTS, INC. TO DETERMINE OWNERSHIP, RIGHT(S)–OF–WAY, EASEMENT(S), OR OTHER MATTERS OF PUBLIC RECORD.
5. ANY PERSON WHO KNOWINGLY REMOVES, ALTERS OR DEFACES ANY PUBLIC LAND SURVEY MONUMENT OR ACCESSORY COMMITS A CLASS TWO (2) MISDEMEANOR PURSUANT TO STATE STATUTE 18–4–508, C.R.S.
6. THE SURVEYED PROPERTY SHOWN HEREIN LIES WITHIN OTHER AREAS–ZONE X, AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP INDEX NO. 08039C0480C, MAP REVISED MARCH 17, 2011.
7. NO LOT WITHIN THIS SUBDIVISION SHALL BE BUILT UPON OR ANY IMPROVEMENTS CONSTRUCTED WITHIN A LOT, UNTIL A SITE PLAN IS REVIEWED AND APPROVED BY THE TOWN OF ELIZABETH.

BOARD OF TRUSTEES

THIS PLAT WAS APPROVED BY THE BOARD OF TRUSTEES OF THE TOWN OF ELIZABETH, COLORADO ON THE _____ DAY OF _____, 20_____, FOR FILING. THE DEDICATIONS ARE HERY ACCEPTED.

ALL EXPENSES INCURRED WITH RESPECT TO IMPROVEMENTS FOR ALL UTILITY SERVICES, PAVING, GRADING, CURBS, GUTTER, SIDEWALKS, ROAD LIGHTING, ROAD SIGNS, FLOOD PROTECTION DEVICES, DRAINAGE STRUCTURES AND ALL OTHER IMPROVEMENTS THAT MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER AND NOT THE TOWN OF ELIZABETH. THE TOWN SHALL ONLY ACCEPT MAINTENANCE OF THE ROADWAY IMPROVEMENTS AFTER CONSTRUCTION HAS BEEN COMPLETED, AND AFTER THE WARRANTY PERIOD, IN ACCORDANCE WITH TOWN REGULATIONS.

THIS ACCEPTANCE DOES NOT GUARANTEE THAT THE SOIL CONDITIONS, SUBSURFACE, GEOLOGY, GROUNDWATER CONDITIONS OF FLOODING CONDITIONS OF ANY LOT SHOWN HEREON ARE SUCH THAT A BUILDING PERMIT WILL BE ISSUED.

_____
MAYOR, TOWN OF ELIZABETH

ATTEST:
TOWN CLERK _____
SIGNATURE

SURVEYOR'S CERTIFICATION

I, MICHAEL J. NOFFSINGER, A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THIS PLAT TRULY AND CORRECTLY REPRESENTS THE RESULTS OF A SURVEY MADE ON _____ _____, 2024, BY ME OR UNDER MY DIRECT SUPERVISION AND THAT ALL MONUMENTS EXIST AS SHOWN HEREON; THAT MATHEMATICAL CLOSURE ERRORS ARE LESS THAN 1:50,000 (SECOND ORDER); AND THAT SAID PLAT HAS BEEN PREPARED IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS OF THE STATE OF COLORADO DEALING WITH MONUMENTS, SUBDIVISIONS OR SURVEYING OF LAND AND ALL PROVISIONS, WITHIN MY CONTROL, OF THE TOWN SUBDIVISION REGULATIONS.

I ATTEST THE ABOVE ON THIS_____ DAY OF _____, 20_____.

FOR REVIEW
DO NOT RECORD

_____
COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR

_____
PRINTED NAME

ELBERT COUNTY CLERK AND RECORDER'S CERTIFICATE

THIS PLAT WAS FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK AND RECORDER OF ELBERT COUNTY AT _____M. ON THE _____ DAY OF _____, 20__,

RECEPTION NO._____.

ELBERT COUNTY CLERK AND RECORDER

BY: _____
DEPUTY

AzTEC CONSULTANTS, INC.
300 East Mineral Ave., Suite 1
Littleton, Colorado 80122
Phone: (303) 713-1898
Fax: (303) 713-1897
www.aztecconsultants.com

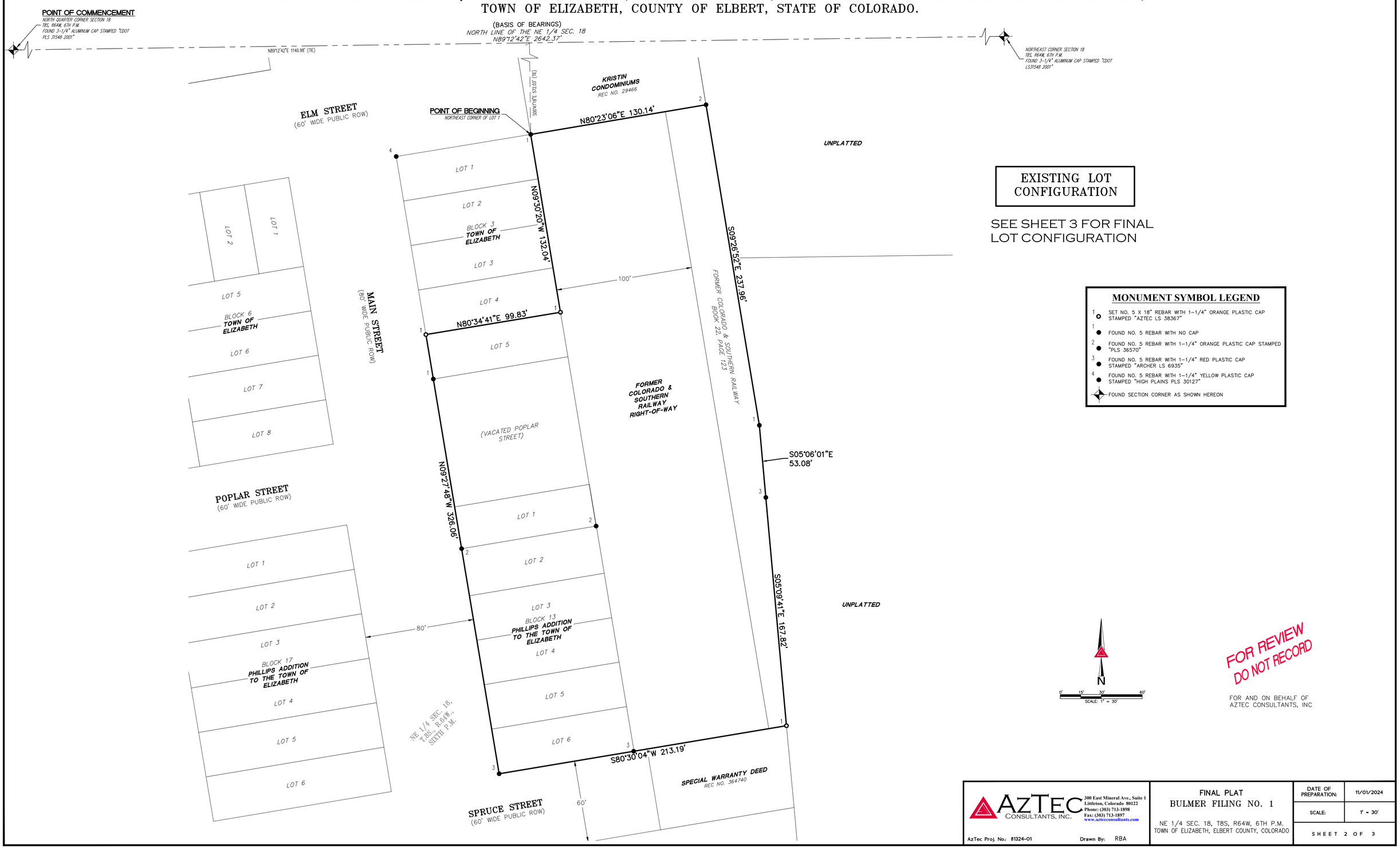
AzTec Proj. No.: 81324-01 Drawn By: RBA

FINAL PLAT
BULMER FILING NO. 1
NE 1/4 SEC. 18, T8S, R64W, 6TH P.M.
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO

DATE OF PREPARATION:	11/01/2024
SCALE:	N/A
SHEET 1 OF 3	

BULMER FILING NO. 1

A REPLAT OF LOTS 5 AND 6, BLOCK 3 AND LOTS 1–6, INCLUSIVE, BLOCK 13, AND
A PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.



EXISTING LOT CONFIGURATION

SEE SHEET 3 FOR FINAL LOT CONFIGURATION

MONUMENT SYMBOL LEGEND

1 ○ SET NO. 5 X 18" REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "AZTEC LS 38367"
1 ● FOUND NO. 5 REBAR WITH NO CAP
2 ● FOUND NO. 5 REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "PLS 36570"
3 ● FOUND NO. 5 REBAR WITH 1-1/4" RED PLASTIC CAP STAMPED "ARCHER LS 6935"
4 ● FOUND NO. 5 REBAR WITH 1-1/4" YELLOW PLASTIC CAP STAMPED "HIGH PLAINS PLS 30127"
FOUND SECTION CORNER AS SHOWN HEREON

N

0' 15' 30' 60'
SCALE: 1" = 30'

FOR REVIEW
DO NOT RECORD

FOR AND ON BEHALF OF
AZTEC CONSULTANTS, INC

AzTec Consultants, Inc.
300 East Mineral Ave., Suite 1
Littleton, Colorado 80122
Phone: (303) 713-1898
Fax: (303) 713-1897
www.aztecconsultants.com

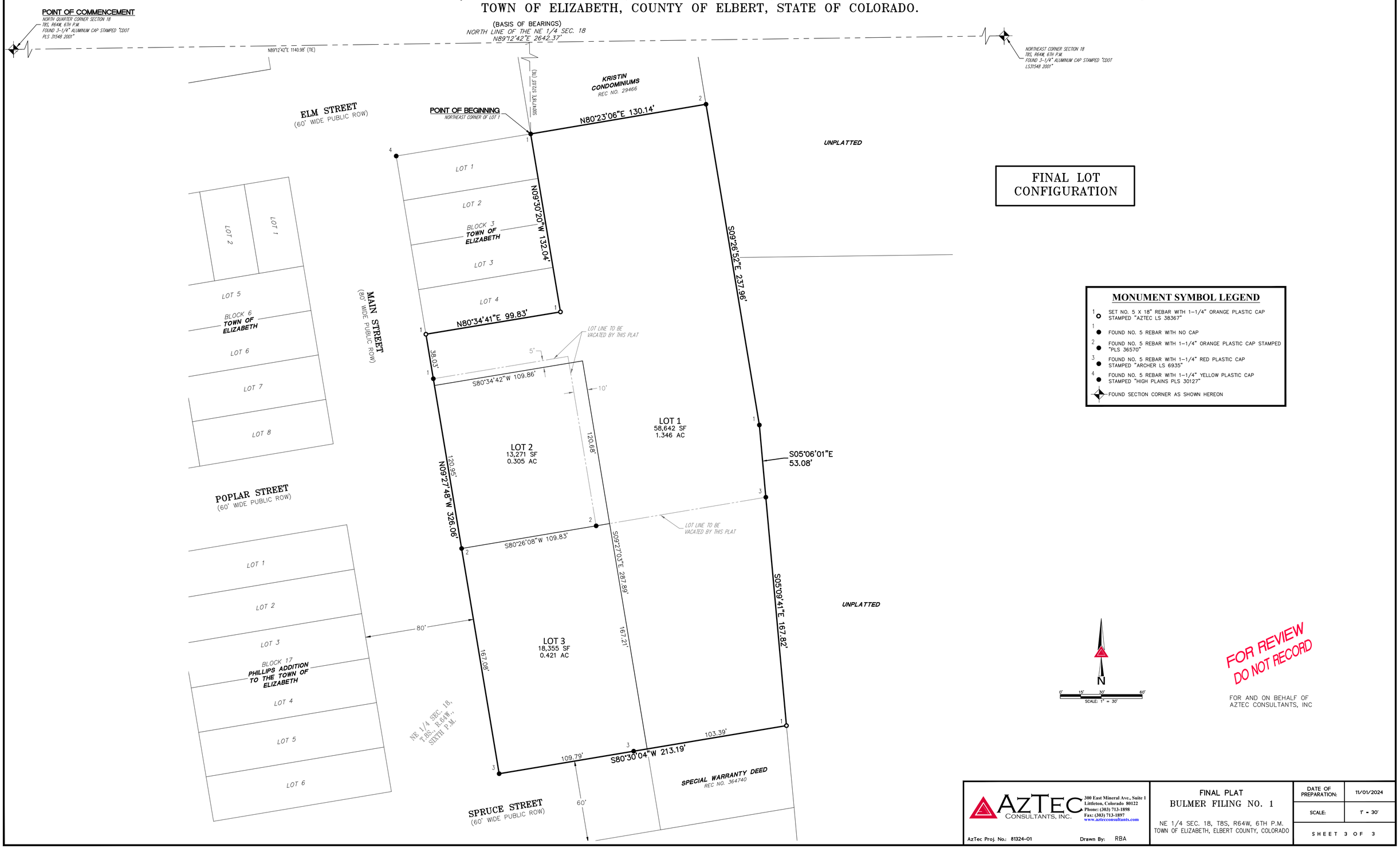
AzTec Proj. No.: 81324-01 Drawn By: RBA

FINAL PLAT
BULMER FILING NO. 1
NE 1/4 SEC. 18, T8S, R64W, 6TH P.M.
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO

DATE OF PREPARATION:	11/01/2024
SCALE:	1" = 30'
SHEET 2 OF 3	

BULMER FILING NO. 1

A REPLAT OF LOTS 5 AND 6, BLOCK 3 AND LOTS 1–6, INCLUSIVE, BLOCK 13, AND
A PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.



FINAL LOT CONFIGURATION

MONUMENT SYMBOL LEGEND

1. SET NO. 5 X 18" REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "AZTEC LS 38367"
1. FOUND NO. 5 REBAR WITH NO CAP
2. FOUND NO. 5 REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "PLS 36570"
3. FOUND NO. 5 REBAR WITH 1-1/4" RED PLASTIC CAP STAMPED "ARCHER LS 6935"
4. FOUND NO. 5 REBAR WITH 1-1/4" YELLOW PLASTIC CAP STAMPED "HIGH PLAINS PLS 30127"

FOUND SECTION CORNER AS SHOWN HEREON

N

0' 15' 30' 60'
SCALE: 1" = 30'

FOR REVIEW
DO NOT RECORD

FOR AND ON BEHALF OF
AZTEC CONSULTANTS, INC

AZTEC CONSULTANTS, INC.
300 East Mineral Ave., Suite 1
Littleton, Colorado 80122
Phone: (303) 713-1898
Fax: (303) 713-1897
www.aztecconsultants.com

AzTec Proj. No.: 81324-01 Drawn By: RBA

FINAL PLAT
BULMER FILING NO. 1
NE 1/4 SEC. 18, T8S, R64W, 6TH P.M.
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO

DATE OF PREPARATION:	11/01/2024
SCALE:	1" = 30'
SHEET 3 OF 3	

RESOLUTION 25R09

A RESOLUTION APPROVING THE SITE DEVELOPMENT PLAN FOR THE MAIN STREET OFF-STREET PARKING LOT

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF ELIZABETH, COLORADO AS FOLLOWS:

Section 1. The Site Development Plan for the Main Street Off-Street Parking Lot, attached hereto as **Exhibit A**, is hereby approved pursuant to Section 16-2-40 of the Town of Eliabeth Municipal Code.

PASSED, APPROVED, and ADOPTED this ____ day of _____, 2025, by the Board of Trustees of the Town of Elizabeth, Colorado, on first and final reading, by a vote of _____ for and _____ against.

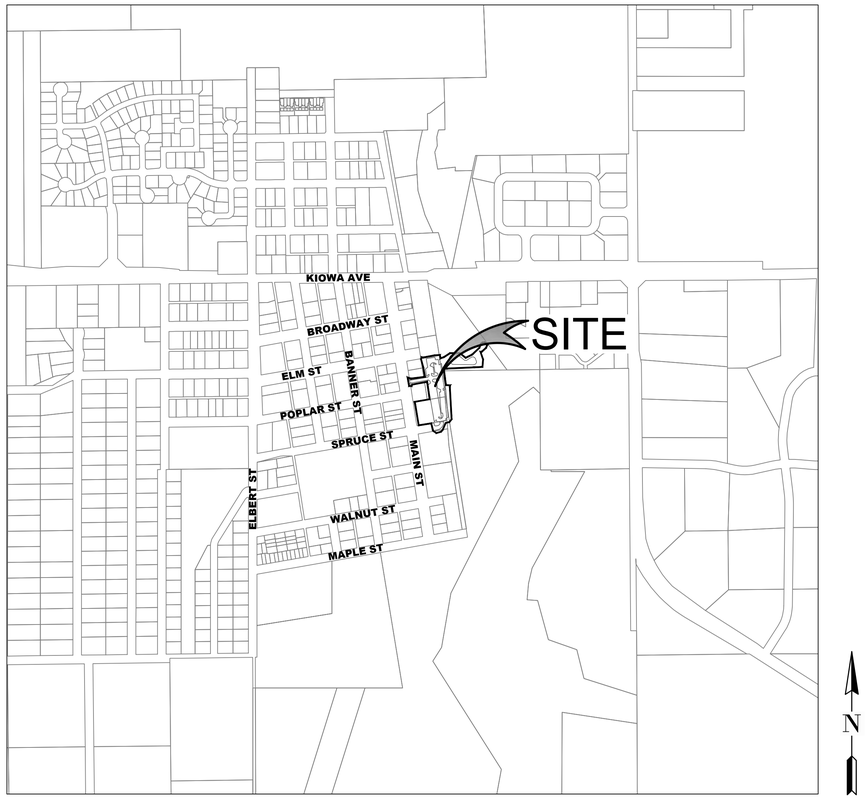
_____
Angela Ternus, Mayor

ATTEST

_____
Michelle M. Oeser, Town Clerk

MAIN STREET OFF-STREET PARKING LOT

LOTS 2-6 OF BLOCK 13
WITHIN THE NE QUARTER OF SECTION 18, T8S, R64W, 6TH P.M.,
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO



VICINITY MAP

0 1000' 2000'

1 inch = 1000'

SHEET INDEX

NO	SHEET TITLE
1	COVER SHEET
2	GENERAL NOTES
3	EXISTING SITE & DEMO PLAN
4	OVERALL SITE PLAN
5	OVERALL UTILITY PLAN
6	OVERALL GRADING PLAN
7	HORIZONTAL CONTROL & GRADING PLAN (1 OF 4)
8	HORIZONTAL CONTROL & GRADING PLAN (2 OF 4)
9	HORIZONTAL CONTROL & GRADING PLAN (3 OF 4)
10	HORIZONTAL CONTROL & GRADING PLAN (4 OF 4)
11	STORM P&P - STORM F
12	STORM - POND F
13	STORM - OUTLET STRUCTURE - POND F
14	SANITARY P&P - RESTROOM SANITARY SERVICE
15	WATER P&P - RESTROOM WATER SERVICE
16	GESC - INITIAL PLAN
17	GESC - INITIAL PLAN
18	GESC - INTERIM PLAN
19	GESC - INTERIM PLAN
20	GESC - FINAL PLAN
21	GESC - FINAL PLAN
22	DETAILS
23	DETAILS
24	DETAILS
25	DETAILS
26	DETAILS
27	DETAILS
28	DETAILS
29	DETAILS
30	DETAILS
31	DETAILS

OWNER

TOWN OF ELIZABETH
151 S BANNER ST
P.O. BOX 159
ELIZABETH, CO 80107
CONTACT: ZACH HIGGINS
ZHIGGINS@TOWNOFELIZABETH.ORG

ENGINEER

TERRACINA DESIGN
10200 E. GIRARD AVE., SUITE A-314
DENVER, CO 80231
CONTACT: MARTIN METSKER
303.632.8867
MMETSKER@TERRACINADESIGN.COM

SURVEYOR

AZTEC CONSULTANTS
300 EAST MINERAL AVE, SUITE 1,
LITTLETON, CO 80122
(303) 713-1898
CONTACT: MIKE NOFFSINGER

UTILITY PROVIDERS

CORE ELECTRIC
168 CTC BLVD SUITE A
LOUISVILLE, CO 80027
(303) 887-3877

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED UPON THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, ASSUMED TO BEAR SOUTH 89°12'42" WEST, A DISTANCE OF 2642.37 FEET.

BENCHMARK

PROJECT BENCHMARK (AZTEC #400):
PROJECT BENCHMARK IS A NGS MONUMENT DESIGNATION H 53 (POINT ID KK0312). SAID MONUMENT IS AN NGS STANDARD DISK SET ON THE TOP OF A CONCRETE PORCH, STAMPED "H 53 1934." MONUMENT IS LOCATED ON 188 S. MAIN ST., NORTH EAST SIDE OF THE FORMER BANK, 4 FT EAST OF THE CENTERLINE OF SIDEWALK AND 5 INCHES NORTH OF A BRICK PILLAR.
NGS PUBLISHED ELEVATION = 6451.58 FT (NAVD 88)

PROFESSIONAL ENGINEER CERTIFICATION

THESE CONSTRUCTION PLANS FOR THE MAIN STREET OFF-STREET PARKING LOT WERE PREPARED BY ME (OR UNDER MY DIRECT SUPERVISION) IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF ELIZABETH DESIGN REVIEW STANDARDS AND GUIDELINES, WATER AND SEWER STANDARDS, STORM DRAINAGE DESIGN AND TECHNICAL CRITERIA, AND THE GRADING, EROSION AND SEDIMENT CONTROL MANUAL.

MARTIN METSKER, PE #41743 DATE
TERRACINA DESIGN
10200 E. GIRARD AVE., SUITE A-314
DENVER, CO 80231
PHONE (303) 632-8867 EXT.110

THESE DESIGNS, PLANS, AND CONTRACT DOCUMENTS ARE REVIEWED FOR CONCEPT AND GENERAL CONFORMANCE TO THE TOWN'S MINIMUM STANDARDS ONLY, AND THE PRIMARY RESPONSIBILITY FOR DESIGN ADEQUACY IS TO REMAIN WITH THE ENGINEER OF RECORD. THIS REVIEW DOES NOT IMPLY RESPONSIBILITY BY THE TOWN OF ELIZABETH, OR THE TOWN ENGINEER FOR COMPLETENESS, ACCURACY OR CORRECTNESS OF CALCULATION. THE REVIEW DOES NOT IMPLY THAT QUANTITIES OF ITEMS INDICATED ON THE PLANS ARE THE FINAL QUANTITIES REQUIRED. THE REVIEW SHALL NOT BE CONSTRUED FOR ANY REASON AS ACCEPTANCE OF FINANCIAL RESPONSIBILITY BY THE TOWN FOR ADDITIONAL ITEMS AND ADDITIONAL QUANTITIES OF ITEMS SHOWN THAT MAY BE REQUIRED DURING THE CONSTRUCTION PHASE.

APPROVED FOR CONSTRUCTION WITHIN ONE YEAR OF THE EARLIEST OF THESE DATES:

BY: _____
TOWN ENGINEER DATE

BY _____
TOWN OF ELIZABETH-PUBLIC WORKS DIRECTOR DATE

BY _____
TOWN OF ELIZABETH-TOWN ADMINISTRATOR DATE

BY _____
ELIZABETH FIRE DEPARTMENT DATE

terracina design
10200 E. Girard Ave, A-314
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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
COVER SHEET

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

SHEET 1 OF 31

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS COVER DWG 1

GENERAL NOTES:

1. UNLESS OTHERWISE MODIFIED HEREIN, ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH BY THE GOVERNING MUNICIPALITY, DISTRICT, AGENCY OR ENTITY. IF THE GOVERNING MUNICIPALITY, DISTRICT, AGENCY OR ENTITY DOES NOT HAVE A STANDARD, AN APPLICABLE STANDARD FROM THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT)STANDARDS (M &S STANDARDS, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION) SHALL BE ADHERED TO. FURTHER ALL OTHER APPLICABLE STATE AND FEDERAL REGULATIONS ARE TO BE FOLLOWED. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS OR REGULATIONS, THE MOST RESTRICTIVE STANDARD SHALL APPLY.
2. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
3. EXISTING UTILITIES SHOWN ON THIS PLAN ARE BASED UPON THE BEST INFORMATION AVAILABLE AS SUPPLIED BY SURFACE EVIDENCE AND UTILITY COMPANY MAPS. UTILITIES THAT EXIST MAY NOT BE SHOWN HEREIN. THE SIZE, LOCATION, TYPE AND NUMBER OF UTILITY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND NOTIFICATION OF ANY DISCREPANCY SHALL BE MADE TO THE OWNER AND ENGINEER BEFORE ANY OTHER WORK IS PERFORMED.
4. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO(UNCC) AT 811, AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING EXCAVATION OR GRADING,TO HAVE ALL REGISTERED UTILITY LOCATIONS MARKED. OTHER UNREGISTERED UTILITY ENTITIES (I.E. DITCH / IRRIGATION COMPANY) ARE TO BE LOCATED BY CONTACTING THERE SPECTIVE REPRESENTATIVE. UTILITY SERVICE LATERALS ARE ALSO TO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY FOR ANY UTILITY CROSSINGS REQUIRED.
6. 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.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF JOB SITE SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
8. 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.
9. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE DEVELOPER SHALL CONTACT THE DESIGNER AND THE LOCAL ENTITY ENGINEER IMMEDIATELY.
10. THE CONTRACTOR SHALL REFER TO AN APPROVED GEOTECHNICAL STUDY FOR ADDITIONAL INFORMATION PERTAINING TO THE SITE CONSTRUCTION, MATERIALS AND PAVEMENTS.
11. CONTRACTOR SHALL REFER TO THE APPROVED EROSION CONTROL MANAGEMENT PLAN FOR IMPLEMENTATION OF BEST MANAGEMENT PRACTICES TO MINIMIZE OR ELIMINATE EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.

GRADING NOTES:

1. REFER TO THE ROADWAY PLANS FOR GRADING AND CONSTRUCTION DETAIL IN THE PUBLIC RIGHT OF WAY.
2. REFER TO APPROVED GEOTECHNICAL REPORT FOR ADDITIONAL CONSTRUCTION AND GRADING REQUIREMENTS.
3. STOCKPILE ONSITE TOPSOIL FOR REUSE ONSITE. LOCATIONS OF TOPSOIL REUSE SHALL BE IN LANDSCAPE AREAS, OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
4. WOOD FRAMING MEMBERS, INCLUDING WOOD SHEATHING, THAT ARE IN CONTACT WITH EXTERIOR FOUNDATION WALLS AND ARE LESS THAN EIGHT (8) INCHES FROM EXPOSED EARTH SHALL BE OF NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.
5. FOR ALL AREAS ADJACENT TO STRUCTURES THAT ARE HARD SURFACE, THE FINAL FINISH GRADE SHALL FALL AWAY FROM THE BUILDING AT A GRADE OF 1.8% (MIN) FOR PEDESTRIAN PATHS OR 3% FOR NON-PEDESTRIAN AREAS.
6. FOR ALL AREAS ADJACENT TO STRUCTURES THAT ARE NOT HARD SURFACE, THE FINAL FINISH GRADE SHALL FALL AWAY FROM THE BUILDING AT A GRADE OF 10% (MIN) FOR 10-FT (MIN.), UNLESS MODIFIED BY AN APPROVED GEOTECHNICAL STUDY.
7. STEPS AND GRADES SHOWN INSIDE BUILDING ENVELOPES AND GARAGES ARE FOR INFORMATION ONLY. REFER TO ARCHITECTURAL PLANS FOR CONSTRUCTION DETAILS.
8. REFER TO THE ARCHITECTURAL AND/OR STRUCTURAL PLANS FOR THE LOCATION AND EXTENT OF FOUNDATION STEM WALLS AND/ OR EXPOSED FOUNDATION.
9. REFER TO THE LANDSCAPE PLANS FOR RETAINING WALL MATERIALS AND CONSTRUCTION DETAILS.
10. SPOT ELEVATIONS TAKE PRECEDENCE OVER CONTOURS.
11. SPOT ELEVATIONS ARE FLOWLINE OR FINISH GRADE UNLESS OTHERWISE INDICATED.
12. SIDEWALKS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF FIVE PERCENT (5%).
13. RAMP AND SIDEWALK CROSS-SLOPES SHALL NOT EXCEED 2%.
14. RAMPS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 12:1 (8.33%) AND SHALL NOT EXCEED THIRTY FEET IN LENGTH OR THIRTY INCHES IN HEIGHT, WITHOUT INTERMEDIATE LANDINGS.
15. RAMPS, EXCEPT CURB RAMPS, SHALL HAVE HAND RAILS ON BOTH SIDES.
16. ALL SITE STEP TREADS ARE 11-INCHES DEEP UNLESS OTHERWISE NOTED.
17. STAIRWAY AND RAMP LANDINGS SHALL HAVE A MAXIMUM SLOPE, IN ANY DIRECTION, OF TWO PERCENT AND SHALL NOT BE LESS THAN THE WIDTH OF THE STAIRS AND 5-FT LONG, UNLESS OTHERWISE INDICATED ON THE PLAN.
18. ALL RAMPS AND STAIRS SHALL BE CONSTRUCTED, INCLUDING THE USE OF RAILINGS, IN ACCORDANCE WITH APPLICABLE ADA (ADAAG), FAIR HOUSING STANDARDS, AND BUILDING CODE STANDARDS.
19. EDGE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE CODES AT ALL LOCATIONS WHICH REQUIRE HANDRAILS.
20. RE: LANDSCAPE PLANS AND/OR ARCHITECTURAL PLANS FOR HANDRAIL DETAIL.
21. RETAINING WALL ELEVATIONS ARE SHOWN TO THE EXPOSED FACE OF WALL AT THE TOE AND THE TOP OF WALL.
22. RETAINING WALLS ARE TO BE DESIGNED BY OTHERS.
23. THE CONTRACTOR SHALL REVIEW ALL ELEVATIONS WITH THEIR SURVEYOR PRIOR TO STAKING AND CONSTRUCTION OF THE BUILDINGS.
24. REFER TO LANDSCAPE PLANS FOR PLANTER DESIGN INCLUDING HEIGHT ABOVE FINISH GRADE.
25. ALL ROOF DOWNSPOUTS MUST CONNECT TO THE ROOF DRAIN PIPING SYSTEM OR DOWNSPOUTS THAT DISCHARGE TO THE SURFACE SHALL SPILL ONTO THE SPLASH BLOCKS THAT EXTEND A MINIMUM OF FIVE (5) FEET AWAY FROM THE FOUNDATION.

PAVING, SIGNING & STRIPING NOTES:

1. PAVING OF PUBLIC STREETS AND SIDEWALKS SHALL BE IN ACCORDANCE WITH THE GOVERNING AGENCY CRITERIA.
2. ALL ONSITE CURB AND GUTTER IS 6-IN VERTICAL WITH 1-FT SPILL PAN UNLESS OTHERWISE INDICATED.
3. ON SITE SIDEWALK SHALL BE 4-IN THICK MIN. AND 6-IN THICK (MIN) IF IT CROSSES A DRIVING SURFACE).
4. CONCRETE PAVING JOINTS SHALL BE IN CONFORMANCE WITH GOVERNING AGENCY ROADWAY STANDARDS OR, IN THE ABSENCE OF A STANDARD, THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) M & S STANDARDS, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
5. UNLESS SPECIFICALLY DETAILED ON THESE PLANS AND REFERENCED TO AN APPROVED GEOTECHNICAL STUDY, THESE PLANS DO NOT DETAIL THE REQUIRED PAVING SECTIONS.
6. SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH CDOT CRITERIA AND COMPACTED TO 95% OPTIMUM DENSITY IN ACCORDANCE WITH AASHTO T-99, UNLESS FURTHER RESTRICTED BY THE APPROVED PAVING DESIGN.
7. ALL PAVEMENT IS ASPHALT UNLESS OTHERWISE INDICATED. NO CONTRACTION OR EXPANSION JOINTS SHALL BE LOCATED WITHIN TWELVE INCHES (LONGITUDINALLY) OF THE FLOWLINE.
8. CONCRETE FOR DRIVING SURFACES SHALL BE CDOT CLASS P UNLESS OTHERWISE INDICATED OR APPROVED BY THE ENGINEER.
9. TOOLED OR SAWED CONTRACTION JOINTS AT 8-FT ON CENTER (MAX) OR AS SHOWN ON PLAN.
10. ALL CONCRETE JOINTS PER CDOT STANDARDS.
11. ALL EXPANSION JOINTS SHALL BE SEALED PER CDOT STANDARDS.
12. ALL NEW OR RELOCATED STREET/TRAFFIC SIGNS SHALL BE INSTALLED PER CURRENT GOVERNING MUNICIPALITY STANDARDS.
13. SIGNAGE AND STRIPING SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS. IN THE ABSENCE OF A STANDARD IT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION.
14. STRIPING OUTSIDE OF THE RIGHT-OF-WAY SHALL BE EPOXY PAINT. SYMBOLS SHALL BE METHYL METHACRYLATE, HOT APPLIED THERMOPLASTIC (90 MIL), PREFORMED PLASTIC (90 MIL) OR INLAYED TAPE (STAMARK), OR APPROVED EQUAL.

DEMOLITION NOTES:

1. THE WORK GENERALLY INCLUDES REMOVAL/DEMOLITION OF INDICATED EXISTING SURFACE FEATURES (I.E. STRUCTURES, CURB, GUTTER, DRAINAGE STRUCTURES, ASPHALT, LIGHTS, VEGETATION, ETC.) AND UNDERGROUND UTILITIES (I.E. ELECTRIC LINES, GAS LINES, FIBER OPTIC LINES, DRAINAGE LINES, ETC), WITHIN THE PROPERTY BOUNDARY. NO WORK UNLESS SPECIFICALLY NOTED SHALL BE OUTSIDE OF THE SUBJECT PROPERTY. SEE PLANS FOR LIMITS OF REMOVAL/ DEMOLITION.
2. LIMITS OF REMOVAL SHOWN ARE APPROXIMATE.
3. CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS INCLUDING SITE SAFETY FOR ALL ASPECTS OF DEMOLITION INCLUDING OPERATION WITHIN THE REGULATIONS OF GOVERNING AGENCIES.
4. ALL UNDERGROUND STORM SEWER, WATER, SANITARY SEWER, GAS, ELECTRIC, OTHER UTILITY LOCATIONS, AND EXISTING SITE APPURTENANCES ARE BASED ON THE ALTA SURVEY PREPARED FOR THE SITE AND ARE TO BE CONSIDERED APPROXIMATE ONLY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
5. ALL ITEMS NOTED AS "REMOVE" SHALL BE DEMOLISHED/REMOVED FROM THE SITE. ALL ITEMS NOTED "VERIFY/REMOVE" SHALL BE REMOVED ONLY AFTER VERIFICATION THAT THE UTILITY IS NO LONGER NEEDED TO PROVIDE SERVICE TO ANY ADJACENT PROPERTIES OR USERS. COORDINATE WITH LOCAL UTILITY PROVIDER. ALL ITEMS NOTED FOR REUSE SHALL BE REPLACED AS DIRECTED. HOWEVER, THE GOVERNING AGENCY (IN THE INSTANCE OF PUBLIC INFRASTRUCTURE) OR THE ENGINEER SHALL DETERMINE IF THE ITEM IS IN ADEQUATE CONDITION TO BE REUSED.
6. ITEMS TO BE REUSED SHALL BE REMOVED AND SAFELY STORED AS NECESSARY PRIOR TO REPLACEMENT.
7. UNLESS SPECIFICALLY DIRECTED, THE CONTRACTOR SHALL DISPOSE OF CONCRETE, ASPHALT RUBBLE AND ANY OTHER DEMOLISHED/ REMOVED MATERIALS OFFSITE.
8. CONTRACTOR SHALL DISPOSE OF AND TRANSPORT DEBRIS TO OFFSITE IN A SAFE AND LEGAL MANNER AND SHALL NOT STORE OR BURN MATERIALS ONSITE. CONTRACTOR SHALL HANDLE AND DISPOSE OF ALL DEBRIS IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. DISPOSAL SHALL BE TRANSPORTED TO AN APPROVED LANDFILL OR OTHER APPROVED FACILITY.
9. CONCRETE SHALL BE REMOVED TO THE NEAREST JOINT.
10. THE CONTRACTOR SHALL VERIFY ALL UTILITIES HAVE BEEN DISCONNECTED AS REQUIRED FOR THE WORK.
11. CONTRACTOR SHALL ERECT BARRIERS, FENCES, GUARDRAILS, ENCLOSURES, ETC. TO PROTECT THE SITE AND IN ACCORDANCE WITH THE EROSION CONTROL PLAN.
12. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL (SIGNS, BARRICADES, FLAGMEN, LIGHTS, ETC) IN ACCORDANCE WITH THE MUTCD, CURRENT EDITION, AS REQUIRED FOR THE WORK.
13. CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES REQUIRED FOR DEMOLITION OF WORK SHOWN.
14. CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION AND BENCHMARK(S). CONTRACTOR SHALL HAVE A LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THE CONTRACTOR'S COST.

DEMOLITION NOTES (CONT.):

15. CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, FEATURES, IMPROVEMENTS, AND UTILITIES (OVERHEAD OR UNDERGROUND) AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION NOT INTENDED TO BE REMOVED OR DEMOLISHED. CONTRACTOR WILL BE RESPONSIBLE FOR ALL RESULTANT COSTS DUE TO SUCH DAMAGES.
16. REFER TO SHEET C3.10 FOR DEMOLITIONS IN THE RIGHT OF WAY.

GENERAL UTILITY NOTES:

1. DESIGN OF UTILITIES WITHIN FIVE (5) FEET OF THE BUILDING ARE EXCLUDED FROM THESE PLANS. UTILITIES, INCLUDING DOWNSPOUT CONNECTIONS, CLEAN-OUTS, ETC WITHIN FIVE (5) FEET OF THE BUILDING SHALL BE DETAILED BY THE ARCHITECT OR MECHANICAL ENGINEER.

SANITARY NOTES:

1. CONCRETE USED IN SANITARY SEWER STRUCTURES SHALL BE AS SPECIFIED BY THE GOVERNING AGENCY OR CLASS B AS DEFINED BY CDOT STANDARDS AND SPECIFICATIONS FOR ROAD AN BRIDGE CONSTRUCTION, IN THE ABSENCE OF AN AGENCY SPECIFICATION.
2. SEWER SERVICE CONNECTIONS WITH THE MAIN LINE SHALL BE IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS. IF NO STANDARD EXISTS, WYE OR TEE (AS NOTED ON PLANS) SHALL BE CUT INTO THE MAIN LINE AND INSTALLED WITH FLEXIBLE NON-SHEAR REINFORCED COUPLINGS ON THE MAIN.
3. IF NOT SPECIFIED BY THE UTILITY DISTRICT, SANITARY SEWER SERVICE CONNECTIONS TO THE MAINLINE SHALL CONNECT AT 2:00 OR 10:00 ON THE MAIN.
4. MINIMUM DROP FROM THE SERVICE LINE BEND TO THE MAIN SHALL BE EQUAL TO THE SIZE OF THE MAINLINE.
5. SLOPE OF SERVICE LINES SHALL BE AS NOTED ON PLANS.
6. PIPE AND FITTINGS SHALL BE PER GOVERNING AGENCY STANDARD AN IN THE ABSENCE OF A STANDARD SHALL BE PVC SDR 35, MEETING ASTM D3034.
7. BEDDING SHALL BE PROVIDED AND PLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARD OR APPROVED EQUAL.
8. PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
9. ALL PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLES.
10. COORDINATES FOR MANHOLES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE INDICATED.

STORM NOTES:

1. CONCRETE USED IN STORM SEWER STRUCTURES SHALL BE AS SPECIFIED BY THE GOVERNING AGENCY OR CLASS B AS DEFINED BY CDOT STANDARDS AND SPECIFICATIONS FOR ROAD AN BRIDGE CONSTRUCTION, IN THE ABSENCE OF AN AGENCY SPECIFICATION.
2. REFER TO STORM SEWER PLANS FOR LANDSCAPE/ ROOF DRAINS AND DETENTION POND FACILITIES, INCLUDING OUTFALLS.
3. IF CONNECTED TO AN UNDERGROUND SYSTEM, DOWNSPOUTS SHALL HAVE AN OVERFLOW PROTECTION. REFER TO ARCHITECTURAL PLANS.
4. ALL PVC PIPE SHALL BE PVC SCHEDULE 40, OR APPROVED EQUAL.
5. ALL CONCRETE PIPE SHALL BE REINFORCED AND CLASS III (MIN).
6. SLOPE OF SERVICE LINES SHALL BE AS NOTED ON PLANS.
7. BEDDING SHALL BE PROVIDED AND PLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARD OR APPROVED EQUAL.
8. PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
9. ALL PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLES AND LANDSCAPE INLETS, AND INSIDE FACE OF OTHER STRUCTURES.
10. COORDINATES FOR TYPE R INLETS ARE TO FLOWLINE AT MIDPOINT OF INLET.
11. COORDINATES FOR ALL OTHER STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE INDICATED.
12. LANDSCAPE DRAINS (18" SQUARE OR SMALLER) SHALL BE NDS CATCH BASINS WITH ADA COMPLIANT GRATES THAT MEET HS-20 LOADING OR APPROVED EQUAL, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

ABBREVIATIONS

AC	ASPHALTIC CONCRETE
B.O.P.	BOTTOM OF PIPE
CC	CONCRETE
CL	ROADWAY CENTERLINE
CMP	CORRUGATED METAL PIPE
CR	CURB RAMP
DE / DEMO	DEMOLITION
DIA	DIAMETER
DWG	DRAWING
DRNG	DRAINAGE
ESMT	EASEMENT
E / ELEC	ELECTRICAL
E	EAST
EC	EDGE OF CONCRETE
EG	EXISTING GRADE
EL / ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EX / EXIST	EXISTING
FES	FLARED END SECTION
FG	FINISHED GRADE
FL	FLOWLINE
FH	FIRE HYDRANT
FO	FIBER OPTIC
G	GAS
GND	GROUND
GRV	GRAVEL
HGL	HYDRAULIC GRADE LINE
HORIZ	HORIZONTAL
HP	HIGH POINT
INT	INTERSECTION
INV	INVERT
LP	LOW POINT
LF	LEFT
LN	LANE
LS	LIFT STATIO
MAT	MATERIAL
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH
NO.	NUMBER
NTS	NOT TO SCALE
OH	OVERHEAD
OHEL	OVERHEAD ELECTRICAL
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	POINT OF CURVATURE, REVERSE
PE	PROFESSIONAL ENGINEER
PI	POINT OF INTERSECTION
PLS	PROFESSIONAL LAND SURVEYOR
PR	PROPOSED
PT	POINT OF TANGENCY / POINT
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS / RIGHT
REC	RECORDING
RCP	REINFORCED CONCRETE PIPE
R.O.W.	RIGHT-OF-WAY
RD	ROAD / ROADWAY
RT	RIGHT
S	SOUTH
SD	STORM DRAIN
SEC	SECTION
SHT	SHEET
SI	SIGNING & STRIPING
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
SW	SIDEWALK
T / TELE	TELEPHONE
TBC	TOP BACK OF CURB
TC	TOP OF CURB / TRAFFIC CONTROL
TOE	TOE OF SLOPE
TOW	TOP OF WALL
T.O.P.	TOP OF PIPE
TYP	TYPICAL
TV	TELEVISION
UE	UTILITY EASEMENT
VERT	VERTICAL
VC	VERTICAL CURVE
W	WEST / WATER
WT	WATER
XC	CROSS-SECTION
Y1	SINGLE YELLOW STRIPE
Y2	DOUBLE YELLOW STRIPE

LEGEND

- 6350 — PROPOSED MAJOR CONTOUR
- 6349 — PROPOSED MINOR CONTOUR
- 6350 — EXISTING MAJOR CONTOUR
- 6349 — EXISTING MINOR CONTOUR
- FG — FINISHED GRADE
- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- CENTERLINE
- LOT / TRACT / PARCEL BOUNDARY
- SIGHT / SAFETY TRIANGLE
- 1 LOT 1 — BLOCK NUMBER / LOT NUMBER
- DRAINAGE SWALE
- GUARDRAIL
- STREET LIGHT
- STREET SIGNS
- CURB RAMPS
- TOWNHOMES
- ROAD WARPING
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- RIPRAP
- SOIL RIPRAP
- SAWCUT
- STORM (FES, MH, & INLET)
- SANITARY
- OHEL — WATER (HYDRANT, VALVE, BEND, MH)
- RAW WATER (VALVE, BEND, ARV)
- FOREBAY
- STORM INLETS (TYPE C, D, 13, & R)
- STORM 100 YEAR HGL
- STORM 5 YEAR HGL
- A — A LOT
- B — B LOT
- WO — WALKOUT LOT
- T — TRANSITION LOT
- EX STORM (FES, MH, & INLET)
- EX SANITARY
- EX WATER (HYDRANT, VALVE, BEND, MH)
- OHUT — EXISTING OVERHEAD ELECTRIC
- UE — EXISTING UNDERGROUND ELECTRIC
- EXISTING STORM
- EXISTING SWALE
- EXISTING SANITARY CLEAN OUT
- EXISTING TREE
- EXISTING SIGN
- W — EXISTING WATER
- G — EXISTING GAS
- FO — EXISTING FIBER OPTIC
- UE — EXISTING ELECTRIC
- T — T — EXISTING TELEPHONE
- X — EXISTING FENCE
- WET — WET — EXISTING WETLAND
- EX BOLLARD
- EB — EX ELECTRIC BREAKER BOX
- EX FIBER OPTIC VAULT
- EX GAS METER
- MP — EX METAL POST
- EX OIL & GAS WELL
- EX TELEPHONE PEDESTAL
- EXISTING POWER POLE & GUY WIRE
- W — EX WATER MH, METER, & VENT PIPE
- EX WATER VALVE & HYDRANT

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1	1ST SUBMITTAL	11/01/2024	MM
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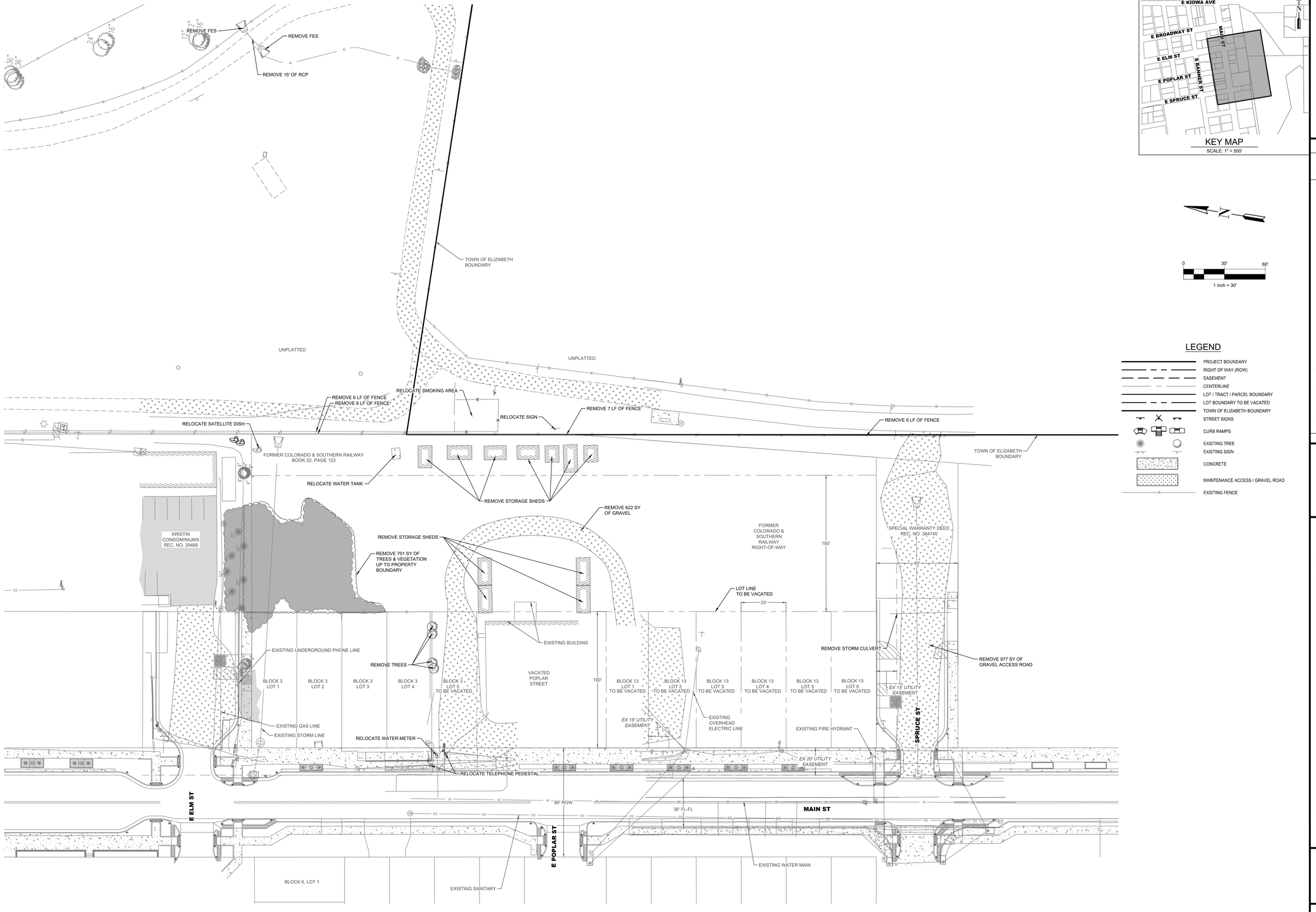
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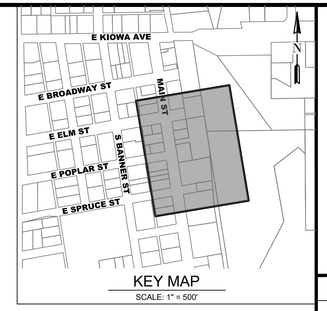
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
GENERAL NOTES

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SHEET 2 OF 21

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LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- CENTERLINE
- LOT / TRACT / PARCEL BOUNDARY
- LOT BOUNDARY TO BE VACATED
- TOWN OF ELIZABETH BOUNDARY
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

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MAIN STREET OFF-STREET PARKING LOT

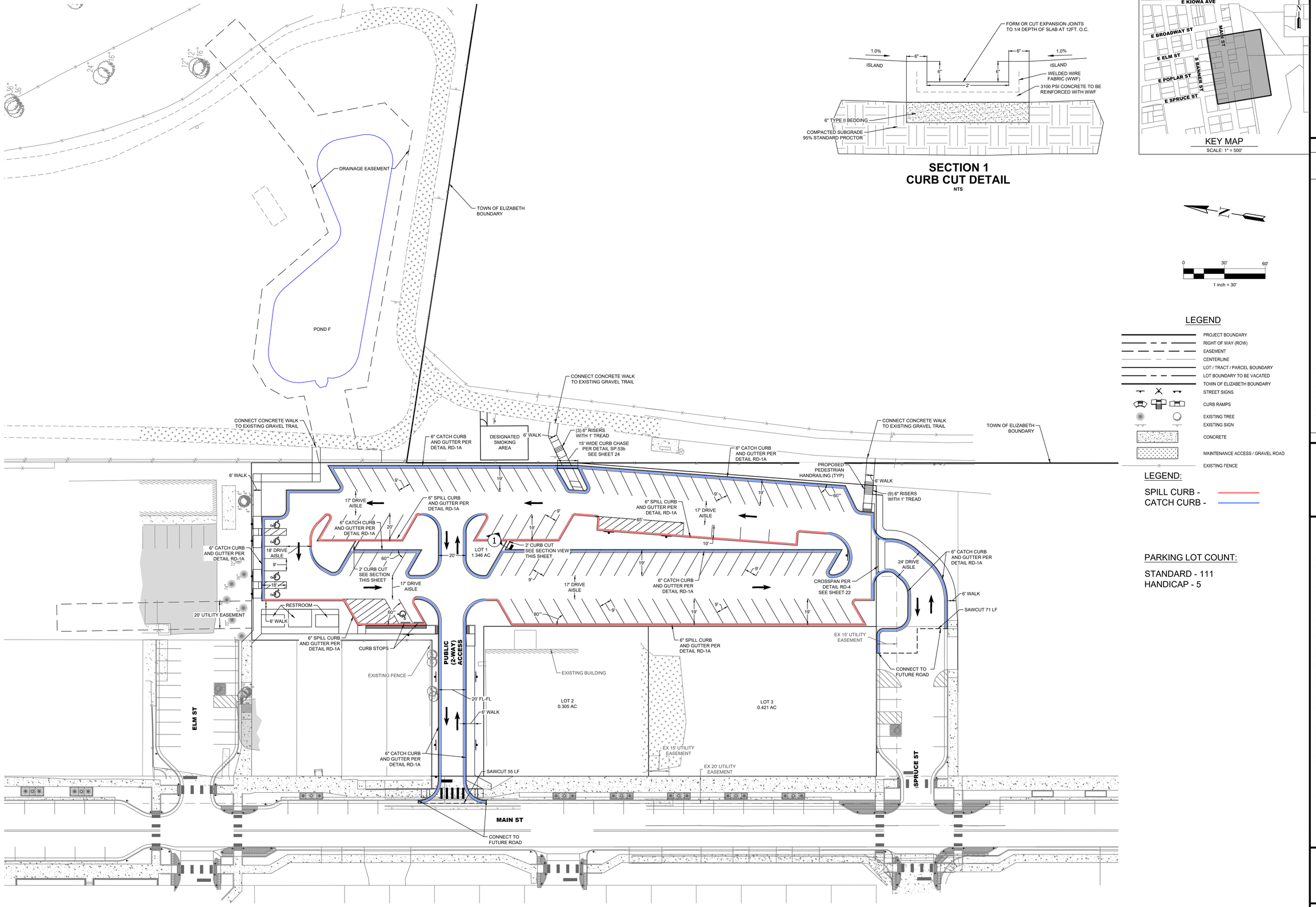
TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
EXISTING SITE & DEMO PLAN

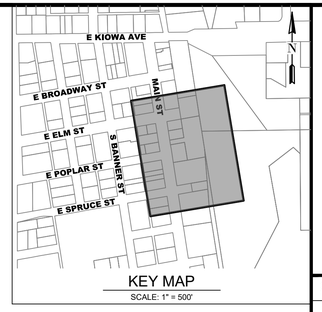
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SHEET 3 OF 24

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SECTION 1
CURB CUT DETAIL
NTS



KEY MAP
SCALE: 1" = 500'

0 30' 60'
1 inch = 30'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- CENTERLINE
- LOT / TRACT / PARCEL BOUNDARY
- LOT BOUNDARY TO BE VACATED
- TOWN OF ELIZABETH BOUNDARY
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

SPILL CURB -
CATCH CURB -

PARKING LOT COUNT:

STANDARD - 111
HANDICAP - 5

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

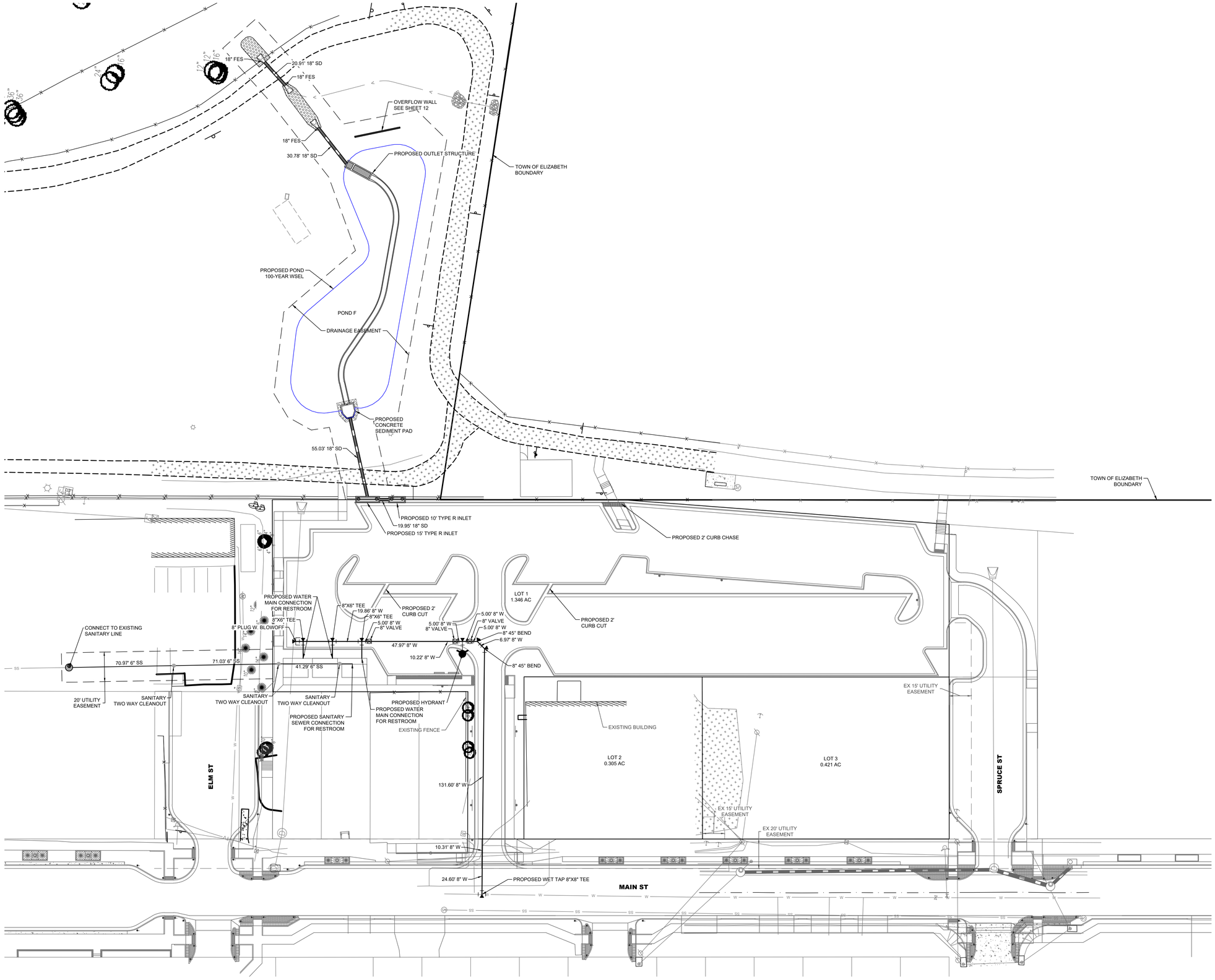
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
OVERALL SITE PLAN

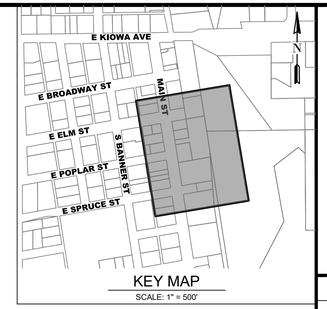
Know what's below. Call before you dig. 811

SHEET 4 OF

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ph: 303.632.8867

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS SITE PLAN.DWG 1





KEY MAP

SCALE: 1" = 500'

0 30' 60'

1 inch = 30'

LEGEND

- STORM (FES, MH, & INLET)
- STORM INLETS (TYPE C, D, 13, & R)
- SANITARY
- WATER (HYDRANT, VALVE, BEND, MH)
- 100-YR WSEL
- OHUT — EXISTING OVERHEAD ELECTRIC
- UE — EXISTING UNDERGROUND ELECTRIC
- X — EXISTING FENCE
- FO — EXISTING FIBER OPTIC
- G — EXISTING GAS
- O — EXISTING STORM
- UT — EXISTING TELEPHONE
- W — EXISTING WATER
- EXISTING SWALE
- EXISTING SANITARY CLEAN OUT
- EXISTING WATER MANHOLE
- MAINTENANCE ACCESS / GRAVEL TRAIL
- RIPRAP
- CONCRETE

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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

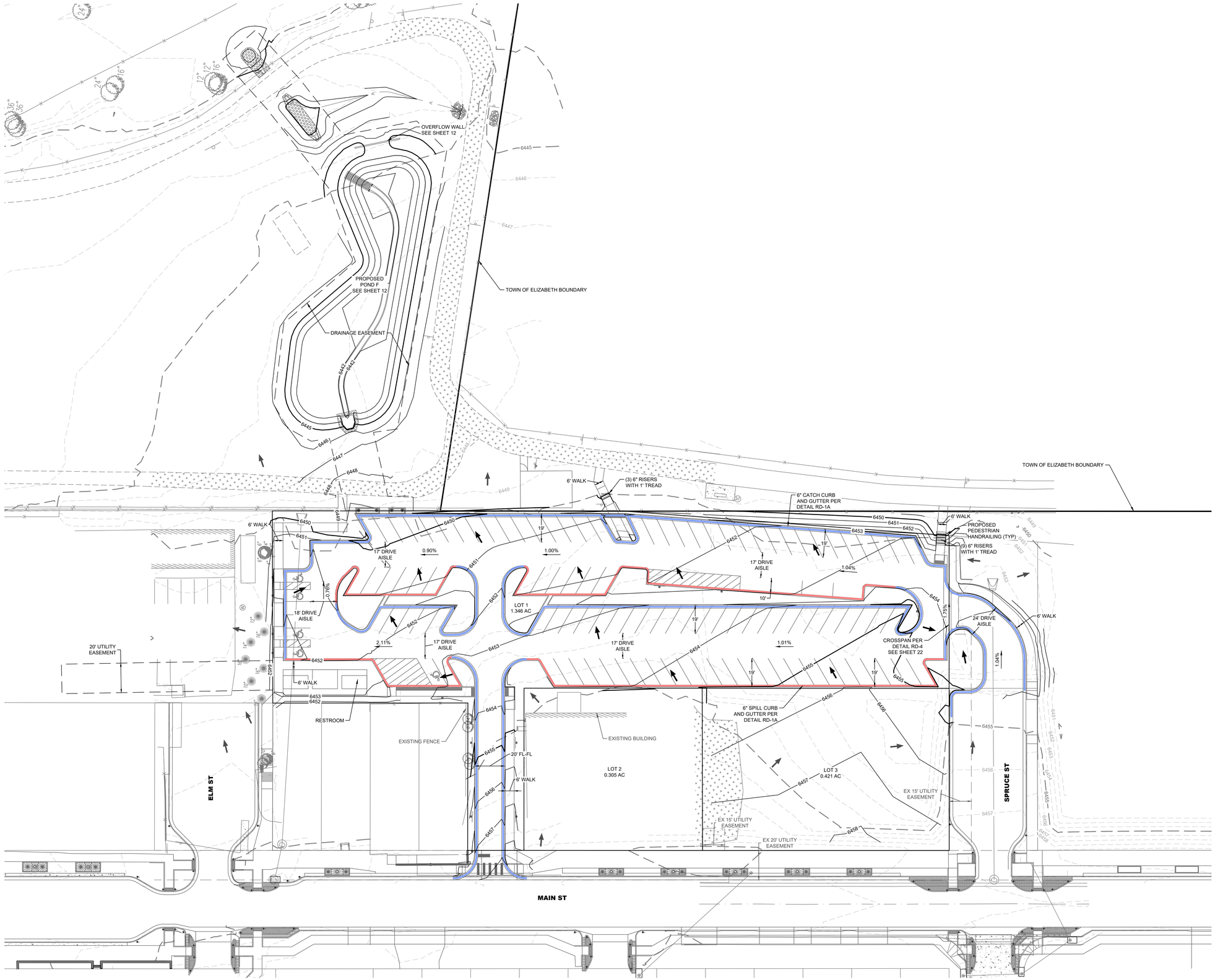
CONSTRUCTION DOCUMENTS

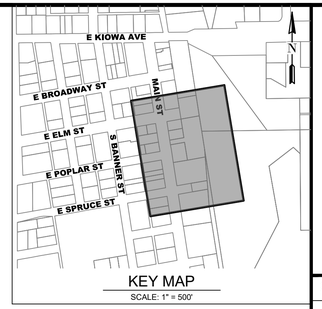
OVERALL UTILITY PLAN

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SHEET 5 OF 24

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS UTILITY PLAN.DWG 1





KEY MAP
SCALE: 1" = 500'

0 30' 60'
1 inch = 30'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

SPILL CURB -
CATCH CURB -

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

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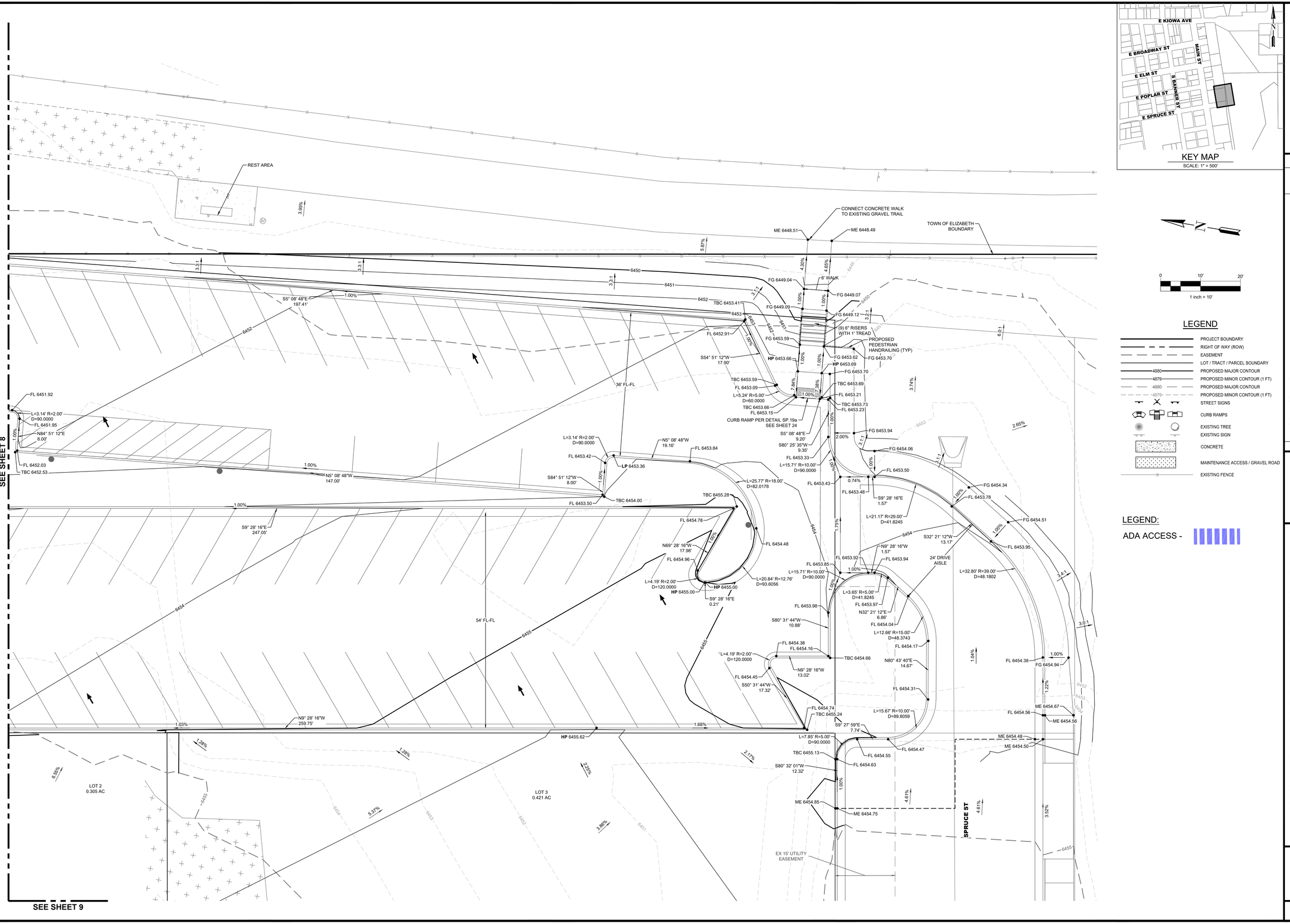
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
OVERALL GRADING PLAN

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

SHEET 6 OF

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GRADING PLAN.DWG 1



0 10' 20'

1 inch = 10'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

ADA ACCESS -

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS

HORIZONTAL CONTROL & GRADING PLAN (1 OF 4)

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

SHEET 7 OF 24

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1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANSET\1 - MAIN ST PARKING\PRELIMINARY CDS DETAILED GRADING PLAN.DWG 1

SEE SHEET 10

SEE SHEET 9

SEE SHEET 7

DRAINAGE EASEMENT

TOWN OF ELIZABETH BOUNDARY

CONNECT CONCRETE WALK TO EXISTING GRAVEL TRAIL

CONNECT CONCRETE WALK TO EXISTING GRAVEL TRAIL

DESIGNATED SMOKING AREA

PROPOSED PEDESTRIAN HANDRAILING (TYP)

(3) 6" RISERS WITH 1' TREADS

6' WALK

CURB CHASE

CURB RAMP PER DETAIL SP.19a ON SHEET 24

CURB RAMP PER DETAIL SP.20 ON SHEET 24

20' UTILITY EASEMENT

RESTROOM (SEE ARCHITECTURE PLANS)

RESTROOM (SEE ARCHITECTURE PLANS)

RESTROOM (SEE ARCHITECTURE PLANS)

2' WIDE INLAYED PATTERN OF TRUNCATED DOMES PER DETAIL RD-3A SEE SHEET 22

DRIVEWAY CUT PER DETAIL RD-2 SEE SHEET 22

EXISTING FENCE

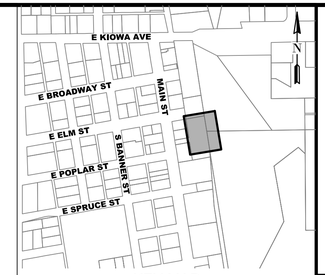
EXISTING BUILDING

LOT 1
1.346 AC

LOT 2
0.305 AC

LEGEND:

ADA ACCESS -



KEY MAP
SCALE: 1" = 500'

0 10' 20'
1 inch = 10'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
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- 4879 PROPOSED MINOR CONTOUR (1 FT)
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- EXISTING TREE
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- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS

HORIZONTAL CONTROL & GRADING PLAN (2 OF 4)

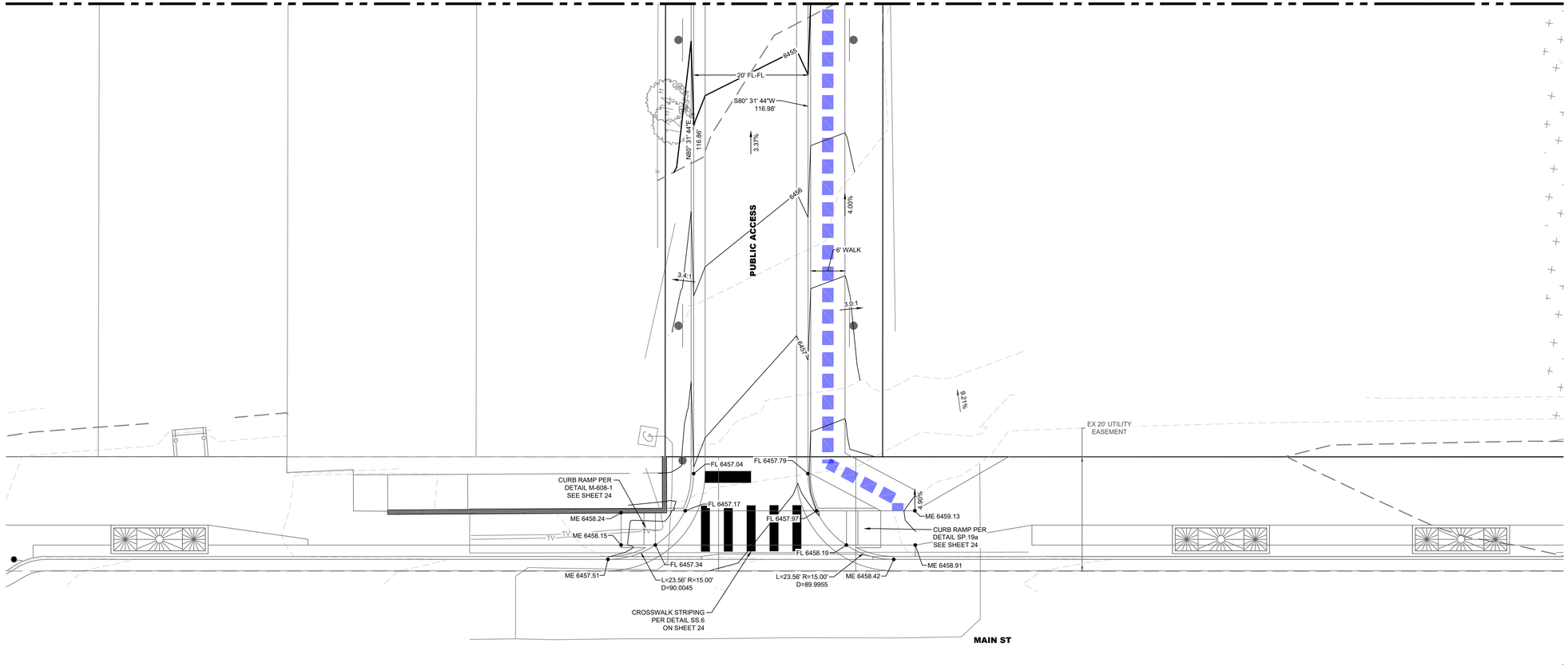
Know what's below. Call before you dig. 811

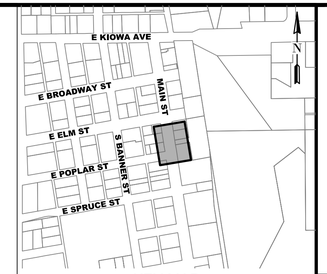
SHEET 8 OF 24

1/30/2025 11:24 AM - X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS - DETAILED GRADING PLAN.DWG - 2

SEE SHEET 8

SEE SHEET 7





KEY MAP

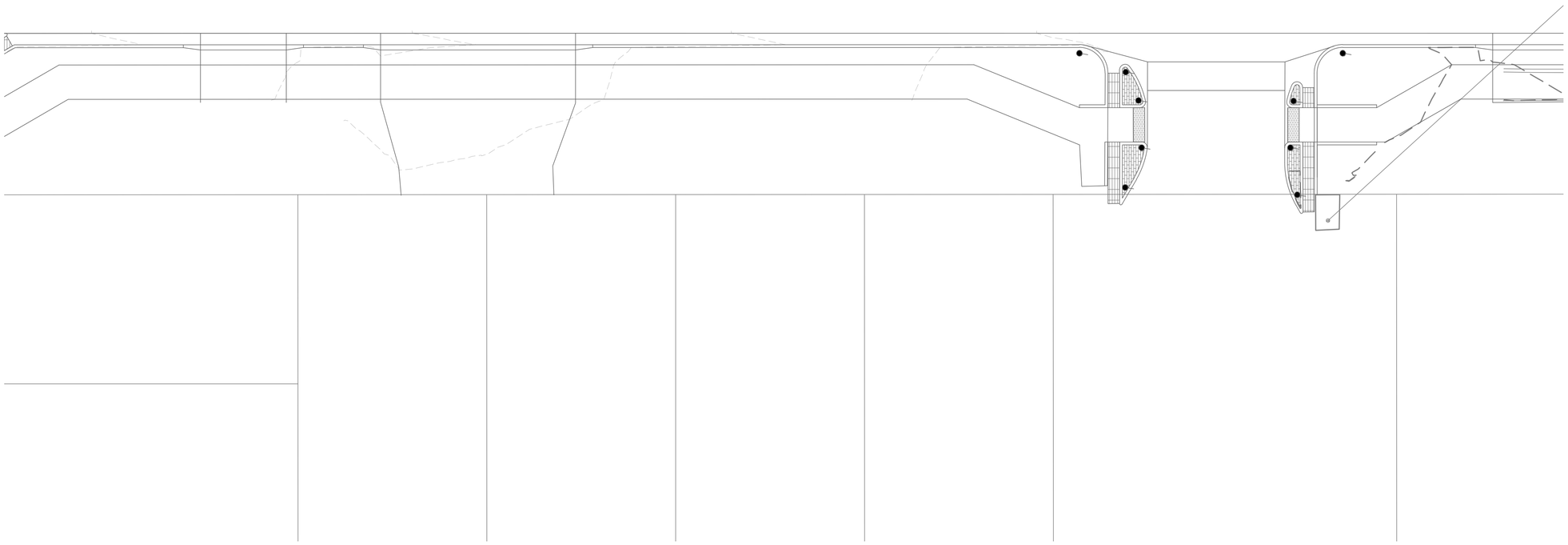
SCALE: 1" = 500'

0 10' 20'

1 inch = 10'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE



LEGEND:

ADA ACCESS -

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS

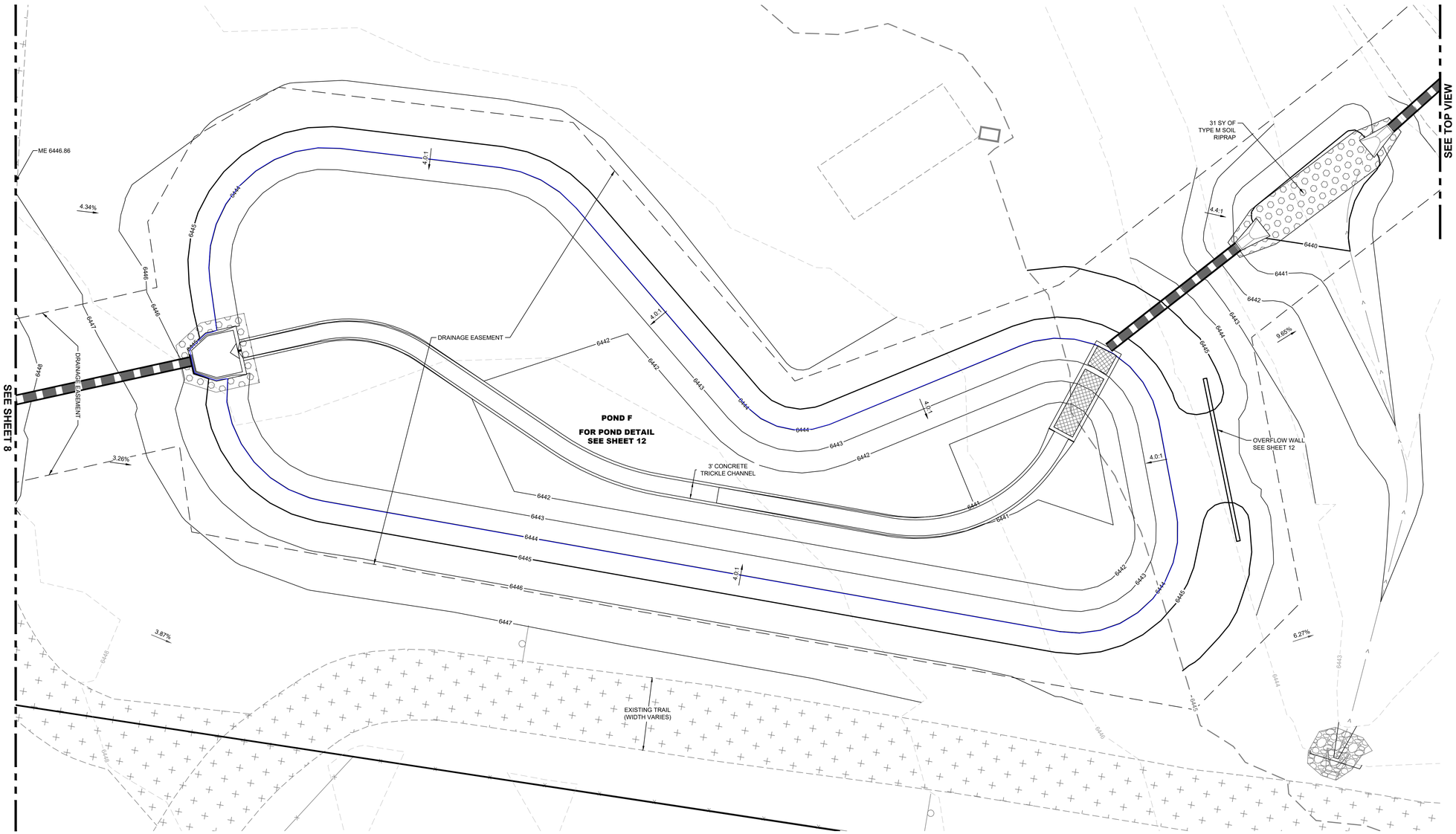
HORIZONTAL CONTROL & GRADING PLAN (3 OF 4)

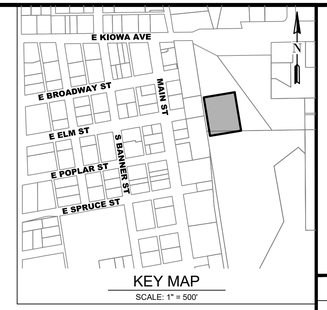
Know what's **below.** **Call** before you dig. 811

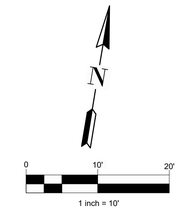
SHEET 9 OF 24

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1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILED GRADING PLAN.DWG 3







LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

ADA ACCESS -

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

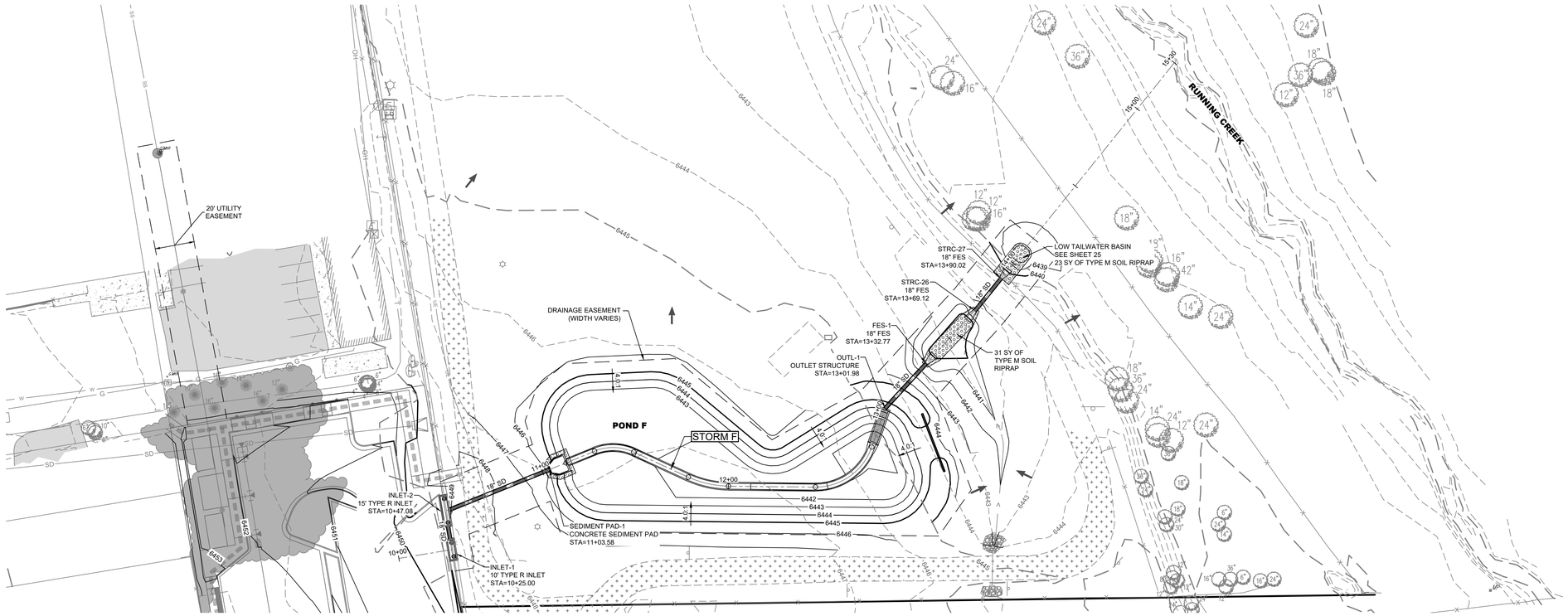
CONSTRUCTION DOCUMENTS

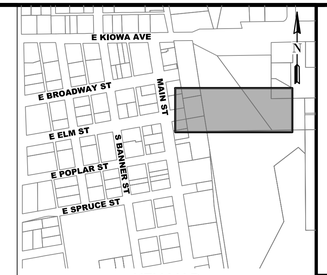
HORIZONTAL CONTROL & GRADING PLAN (4 OF 4)

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

SHEET 10 OF 24

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILED GRADING PLAN.DWG 4





KEY MAP

SCALE: 1" = 500'

N

0 30' 60'

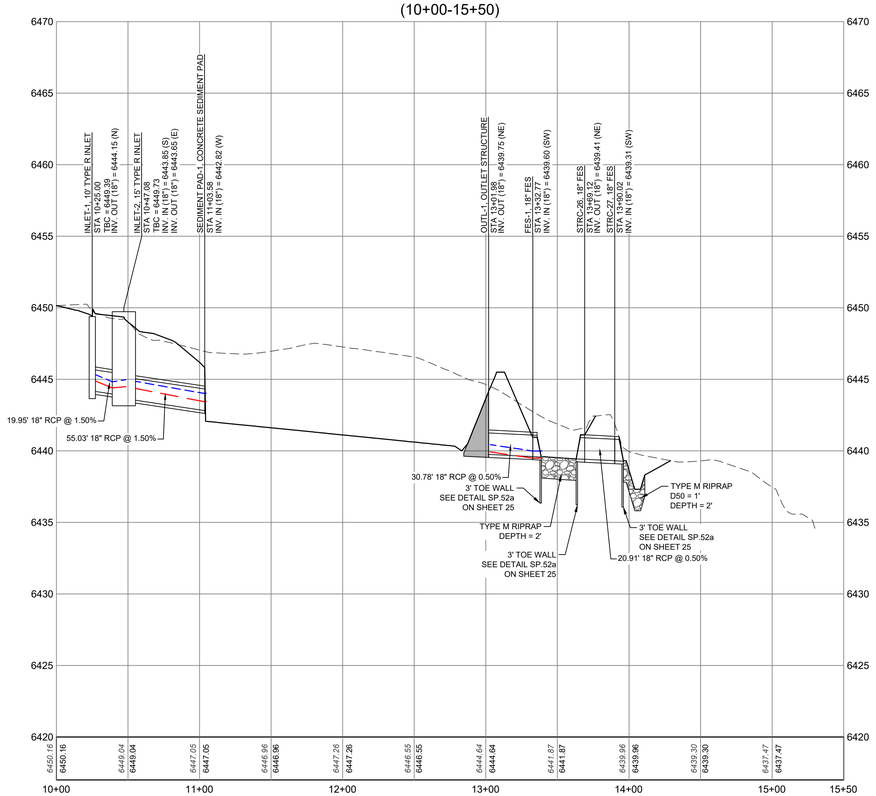
1 inch = 30'

PROFILE LEGEND

EXIST GRADE
PROP GRADE
1"=50' (HORZ) 1"=5' (VERT)

STORM F

(10+00-15+50)



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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

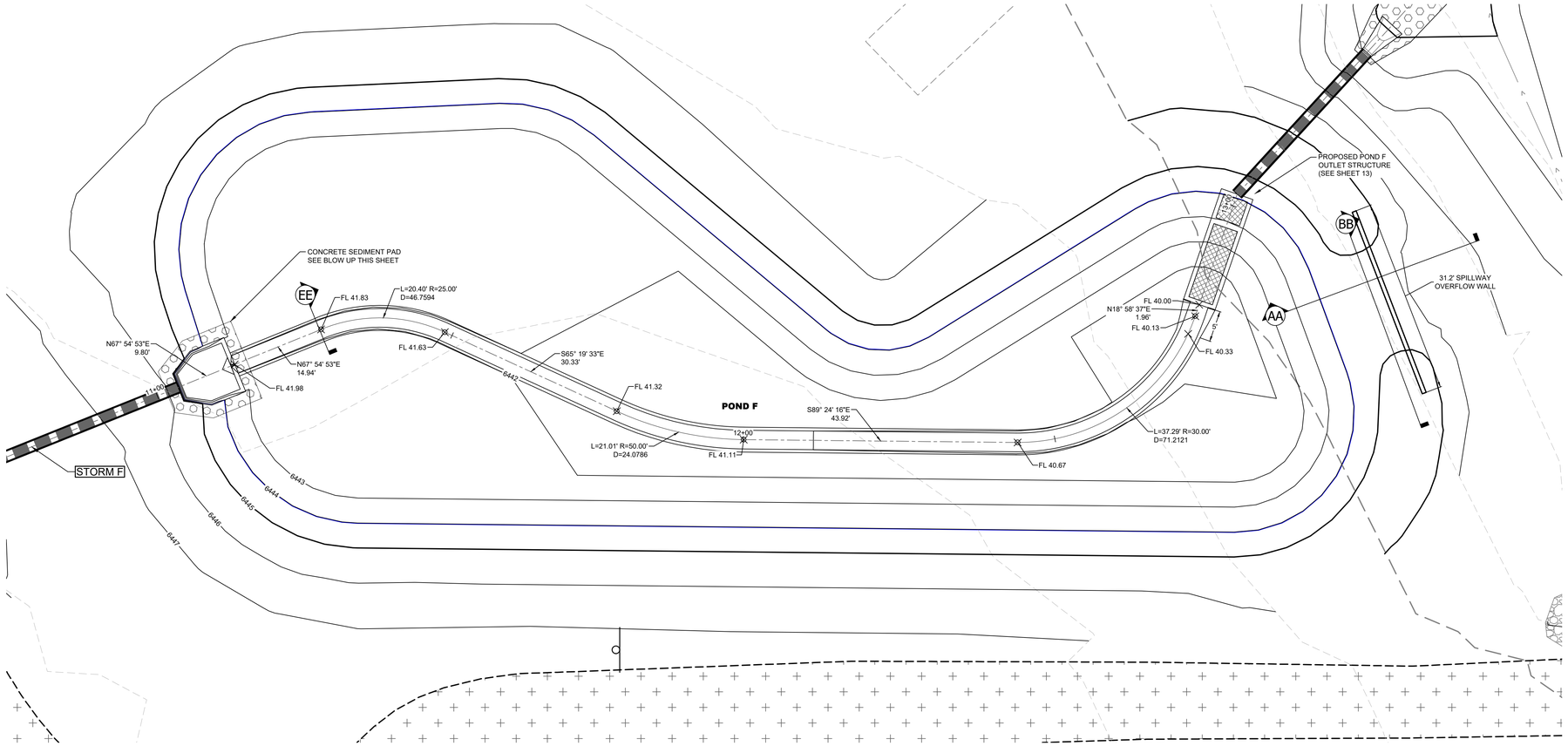
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO

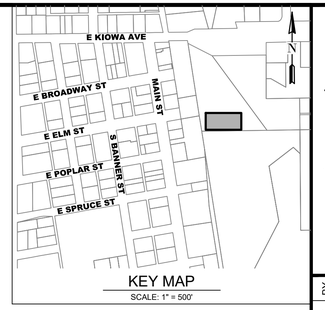
CONSTRUCTION DOCUMENTS
STORM P&P - STORM F

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SHEET 11 OF

1/30/2025 11:24 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS STORM P&P.DWG 1





KEY MAP
SCALE: 1" = 500'

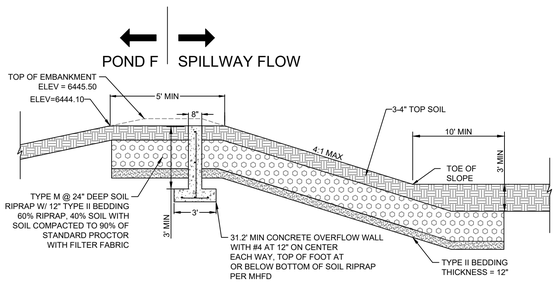
N

0 10' 20'

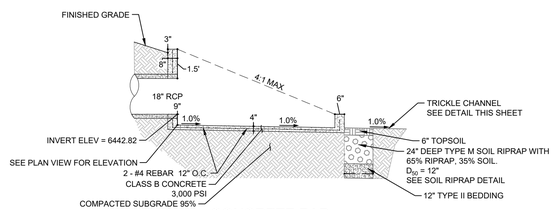
1 inch = 10'

LEGEND

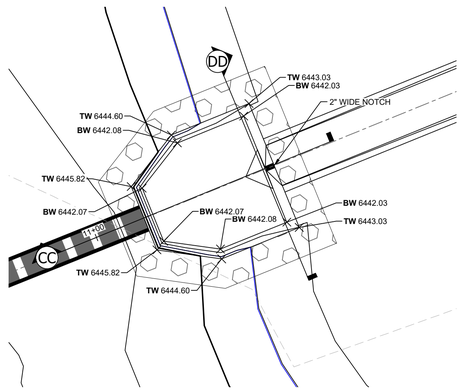
- 6350 — PROPOSED MAJOR CONTOUR
- 6349 — PROPOSED MINOR CONTOUR
- 6350 — EXISTING MAJOR CONTOUR
- 6349 — EXISTING MINOR CONTOUR
- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT BOUNDARY
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- RIPRAP
- SOIL RIPRAP
- STORM (FES, MH, & INLET)
- SANITARY
- WATER (HYDRANT, VALVE, BEND, MH)
- FOREBAY
- STORM INLETS (TYPE C, D, 13, & R)
- STORM 100 YEAR HGL
- STORM 5 YEAR HGL
- EX STORM (FES, MH, & INLET)
- UT — EXISTING UTILITY
- EXISTING SWALE
- EXISTING SIGN
- W — EXISTING WATER
- X — EXISTING FENCE
- EXISTING POWER POLE & GUY WIRE
- W / GP — EX WATER MH, METER, & VENT PIPE
- EX WATER VALVE & HYDRANT



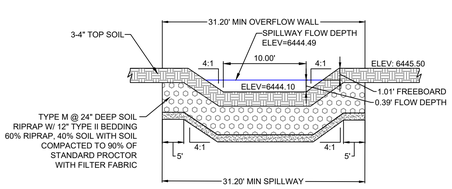
SPILLWAY
SECTION A-A
NTS



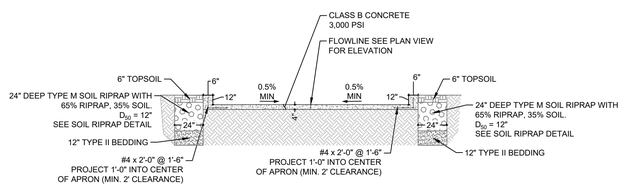
CONCRETE PAD
SECTION C-C
NTS



CONCRETE PAD BLOW UP
SCALE = 1" = 5'

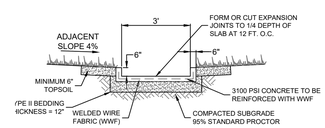


SPILLWAY
SECTION B-B
NTS



CONCRETE PAD
SECTION D-D
NTS

POND F



CONCRETE TRICKLE CHANNEL
SECTION E-E
NTS

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
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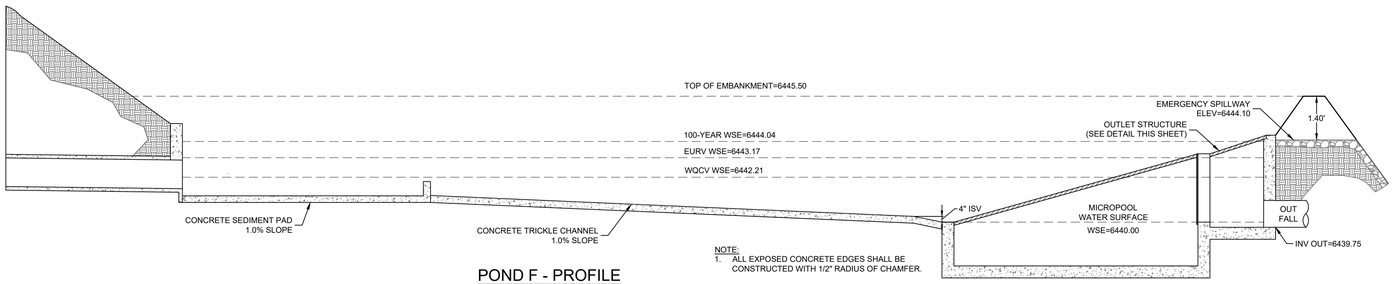
NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
STORM - POND F

Know what's **below.** **Call** before you dig.
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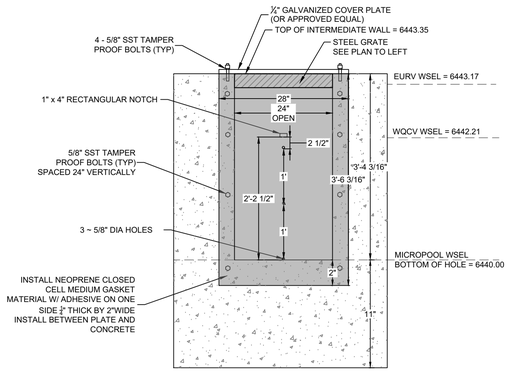
SHEET
12 OF 21

10/2/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS POND SHEETS.DWG POND

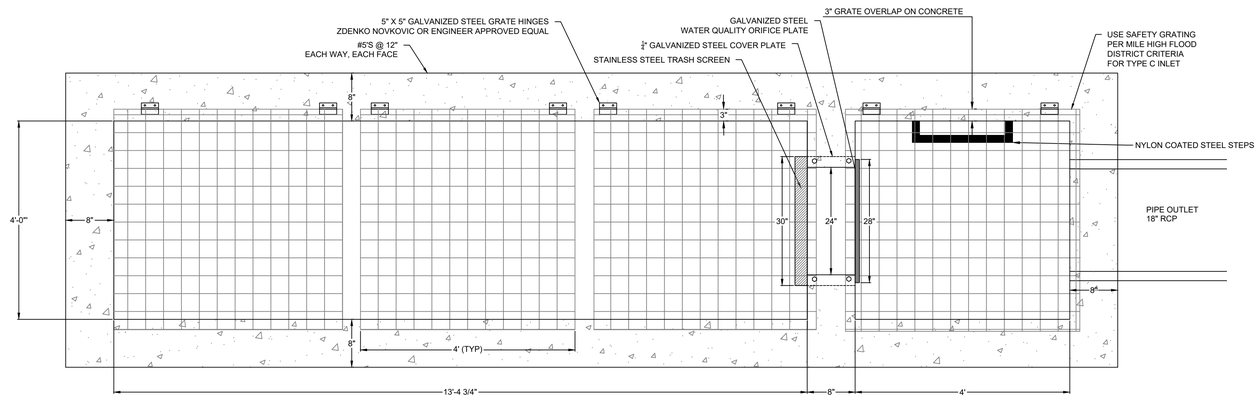


NOTE:
1. ALL EXPOSED CONCRETE EDGES SHALL BE CONSTRUCTED WITH 1/2" RADIUS OF CHAMFER.

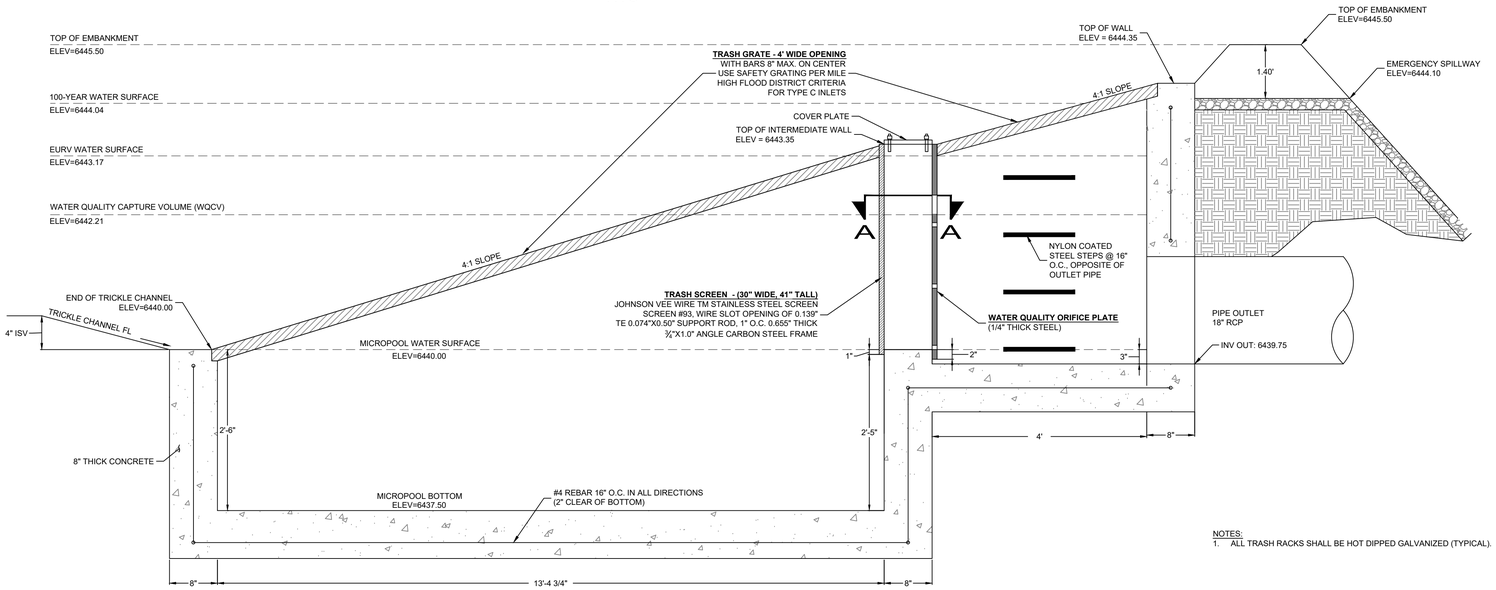
POND F - PROFILE
NTS



ORIFICE PLATE - ELEVATION
NTS

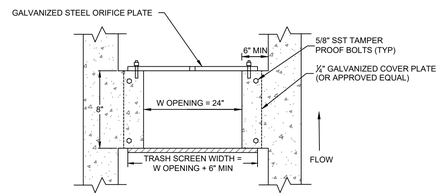


POND F - OUTLET STRUCTURE PLAN
NTS



NOTES:
1. ALL TRASH RACKS SHALL BE HOT DIPPED GALVANIZED (TYPICAL).

POND F - OUTLET STRUCTURE SECTION
NTS



TRASH SCREEN/ORIFICE PLATE SECTION (A)
NTS

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Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

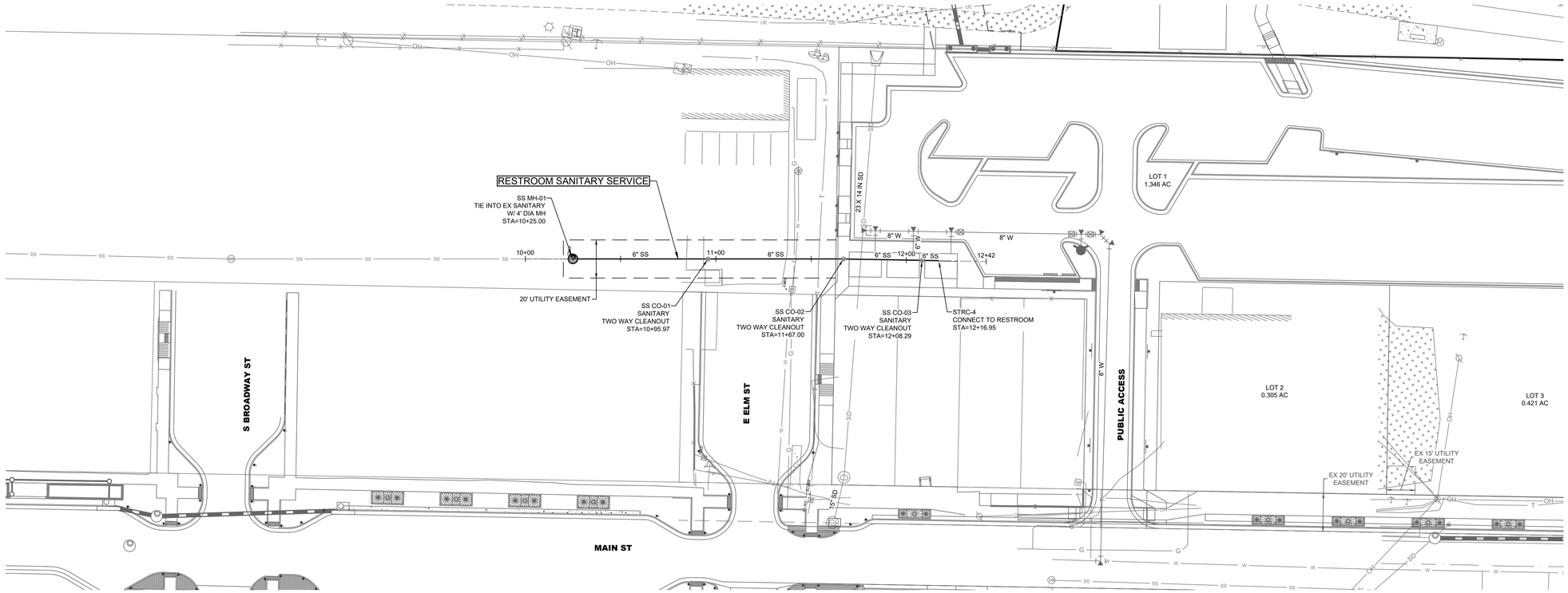
NOT FOR CONSTRUCTION

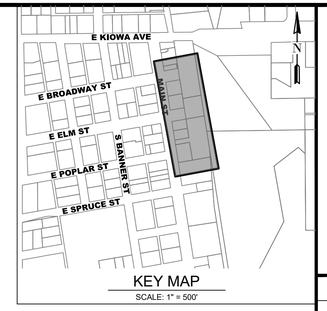
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
STORM - OUTLET STRUCTURE - POND F

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

SHEET
13 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS POND SHEETS.DWG OUTLET STUCTURE





0 30' 60'

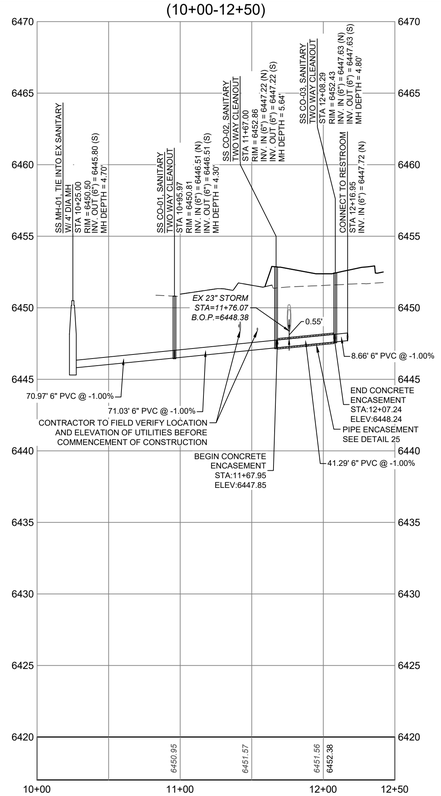
1 inch = 30'

PROFILE LEGEND

EXIST GRADE
PROP GRADE
1"=50' (HORZ) 1"=5' (VERT)

RESTROOM SANITARY SERVICE

(10+00-12+50)



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ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

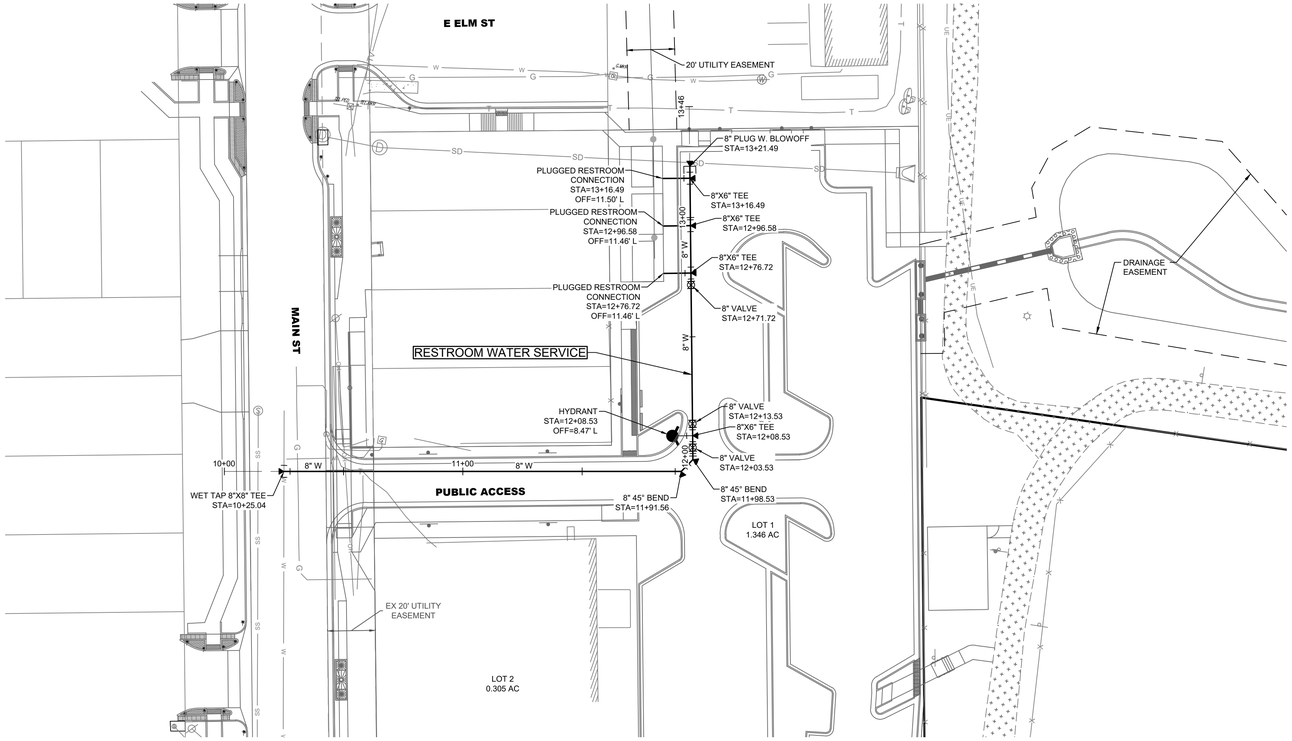
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO

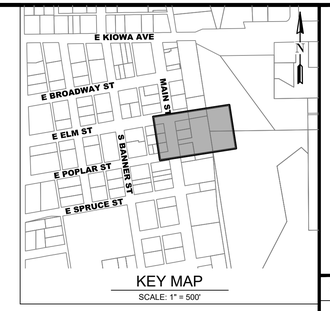
CONSTRUCTION DOCUMENTS
SANITARY P&P - RESTROOM SANITARY SERVICE

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

SHEET 14 OF 21

1/30/2025 11:24 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS SANITARY P&P.DWG 1





KEY MAP

SCALE: 1" = 500'

N

0 30' 60'

1 inch = 30'

PROFILE LEGEND

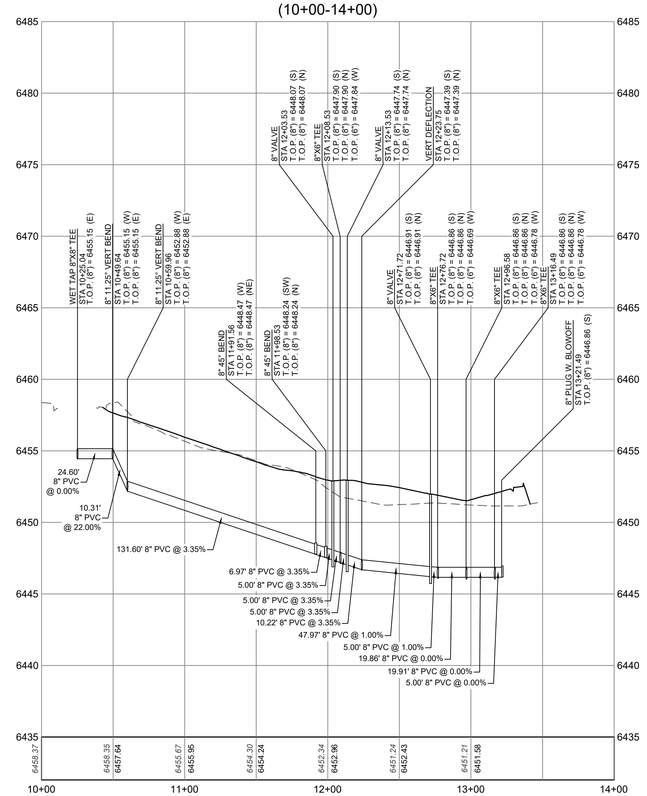
EXIST GRADE

PROP GRADE

1"=50' (HORZ) 1"=5' (VERT)

RESTROOM WATER SERVICE

(10+00-14+00)



#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS

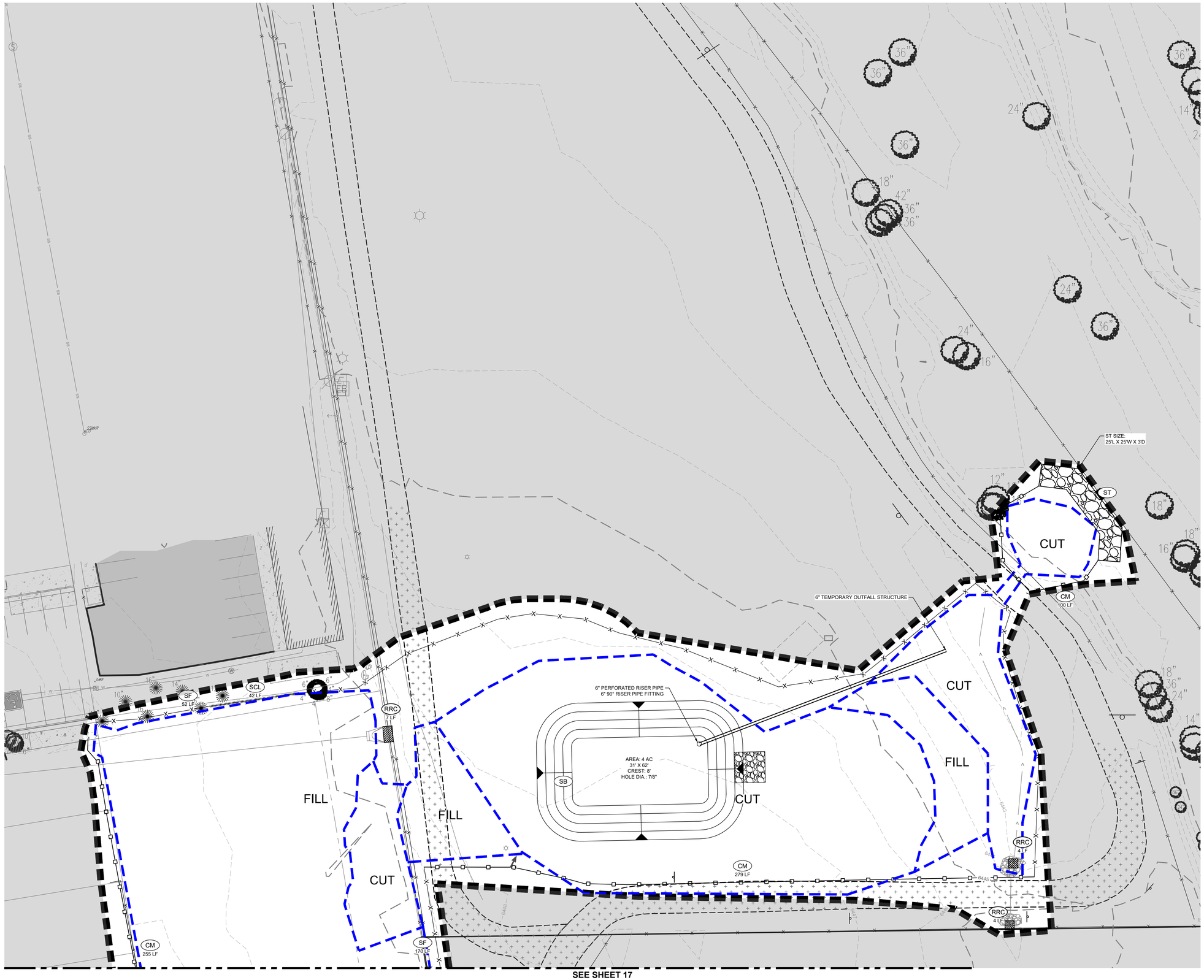
WATER P&P - RESTROOM WATER SERVICE

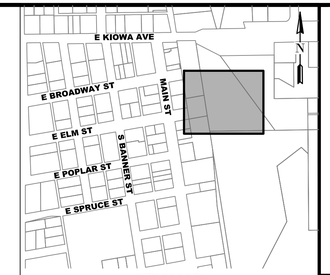
Know what's **below.** **Call** before you dig. 811

SHEET 15 OF 21

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10/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS WATER R&P.DWG 1





KEY MAP
SCALE: 1" = 500'

N

0 20' 40'
1 inch = 20'

LEGEND

- OUTSIDE LIMITS OF CONSTRUCTION
- CD — CHECK DAM
- CWA — CONCRETE WASHOUT AREA
- CM — CONSTRUCTION MARKER
- CS — CURB SOCK / ROCK SOCK
- DD — DIVERSION DITCH
- ECB — EROSION CONTROL BLANKET
- IP — INLET PROTECTION
- RRC — REINFORCED ROCK BERM FOR CULVERT PROTECTION
- SB — TEMPORARY SEDIMENT BASIN
- SCL — SEDIMENT CONTROL LOG
- SF — SILT FENCE
- ST — SEDIMENT TRAP
- SM — SEEDING AND MULCHING
- SSA — STABILIZED STAGING AREA
- SR — SURFACE ROUGHENING
- VTC — VEHICLE TRACKING CONTROL
- LOC — LIMITS OF CONSTRUCTION

NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

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ph. 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - INITIAL PLAN

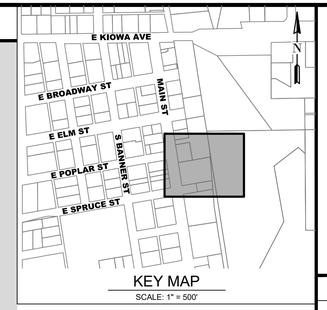
Know what's below. Call before you dig. 811

SHEET 16 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - INITIAL DWG 1

SEE SHEET 16





N

0 20' 40'

1 inch = 20'

LEGEND

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- LOC — LIMITS OF CONSTRUCTION

NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - INITIAL PLAN

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

SHEET 17 OF 24

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - INITIAL.DWG 2



LEGEND

- OUTSIDE LIMITS OF CONSTRUCTION
- CD — CHECK DAM
- CWA — CONCRETE WASHOUT AREA
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- SR — SURFACE ROUGHENING
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- LOC — LIMITS OF CONSTRUCTION

NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - INTERIM PLAN

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

SHEET 18 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - INTERIM.DWG 1

SEE SHEET 18


CM
SF
SCL
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SSA
CWA
RRC
VTC
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NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - FINAL PLAN

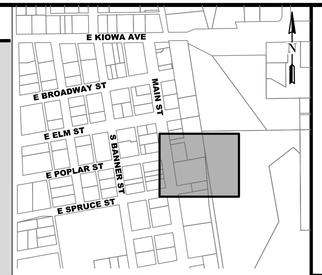
Know what's **below.** **Call** before you dig. 811

SHEET 20 OF 31

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - FINAL.DWG 1

SEE SHEET 20





KEY MAP
SCALE: 1" = 500'

N

0 20' 40'
1 inch = 20'

LEGEND

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- VTC — VEHICLE TRACKING CONTROL
- LOC — LIMITS OF CONSTRUCTION

NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
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#	REVISION DESCRIPTION	DATE	BY
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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

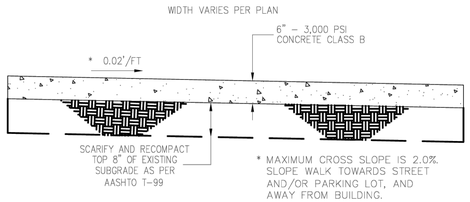
TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - FINAL PLAN

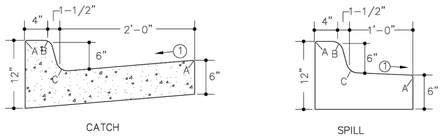
Know what's below. Call before you dig. 811

SHEET 21 OF 31

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS GESC - FINAL.DWG 2



SIDEWALK DETAIL

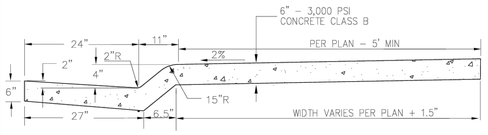


CATCH SPILL

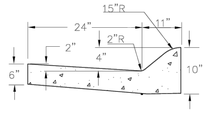
CURB DETAIL LEGEND	
A	RADIUS = 1/8"
B	RADIUS = 1-1/2"
C	RADIUS = 1-1/2" - 2"
1	CROSS SLOPE SHALL BE 1/2" PER FOOT WHEN DRAINING AWAY FROM CURB, AND 1" PER FOOT WHEN DRAINING TOWARD THE CURB

CURB DETAIL

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB, GUTTER, & SIDEWALK DETAILS	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-1A



COMBINATION CURB, GUTTER & SIDEWALK



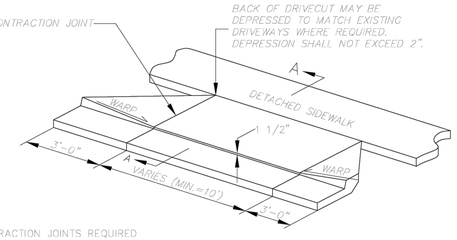
LOCAL MOUNTABLE CURB & GUTTER

NOTES:

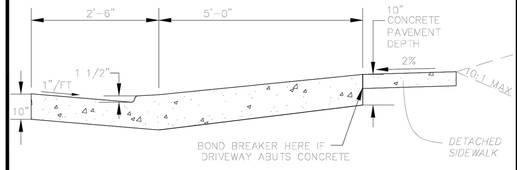
1) IF A SIDEWALK IS PLACED BEHIND THE CURB BUT IS NOT PLACED MONOLITHICALLY, EXPANSION JOINT MATERIAL AND A SILICONE BASE SEALER MUST BE APPLIED BETWEEN THE SIDEWALK AND CURB.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB, GUTTER, & SIDEWALK DETAILS	
SCALE: NOT TO SCALE DATE: 09/06/17	
APPROVED: CORE CONSULTANTS INC. TOWN ENGINEER	RD-1B

NOTE: CURBCUTS ARE TO BE PLACED MONOLITHIC WITH CURB & GUTTER.

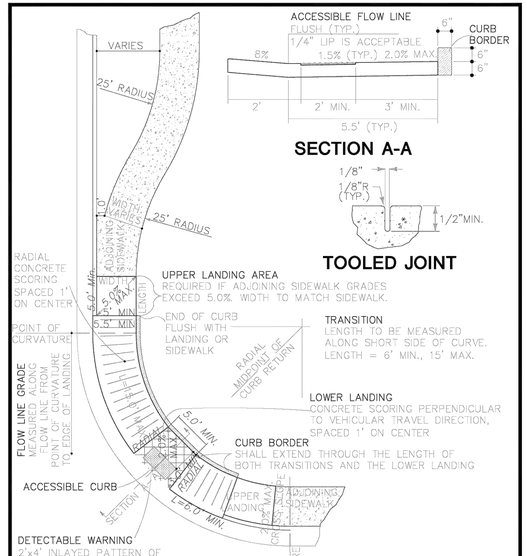


NOTE:
CONTRACTION JOINTS REQUIRED IN DRIVECUT AT MAXIMUM 10' SPACING



SECTION A-A

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
DRIVEWAY CUT DETAIL	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-2



TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
HANDICAP RAMP DETAIL	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-3A

NOTES

SLOPED TRANSITIONS SHALL COMPLY WITH ALL APPLICABLE RULES AND GUIDELINES OF THE AMERICANS WITH DISABILITIES ACT.

SLOPED TRANSITIONS SHALL BE CONSISTENT WITH THE CURRENT PUBLICATION OF FEDERAL GUIDELINES FOR ACCESSIBLE RIGHTS OF WAY.

LONGITUDINAL SLOPES WITHIN THE TRANSITION SHALL NOT EXCEED 1:12 (8.33%).

CROSS SLOPES, OR SLOPES PEPENDICULAR TO THE DIRECTION OF TRAVEL SHALL NOT EXCEED 1:50 (2.0%)

THE LOWER LANDING AREA IS A REQUIRED ELEMENT.
SLOPED TRANSITIONS ARE A REQUIRED ELEMENT AND SHALL:
A. NOT EXCEED 1:12 (8.3%) LONGITUDINAL SLOPE ALONG THE SHORTEST SIDE UNLESS TRANSITION LENGTH EXCEEDS 15.0'
B. NOT EXCEED 1:50 (2.0%) SLOPE PERPENDICULAR TO THE TRAVELED DIRECTION.
C. NOT EXCEED 15.0' IN LENGTH AS MEASURED ALONG THE SHORTEST SIDE. MAXIMUM LONGTITUDINAL SLOPE SHALL BE ADJUSTED TO ACCOMODATE THE LENGTH.
D. NOT BE LESS THAN 6.0' IN LENGTH.

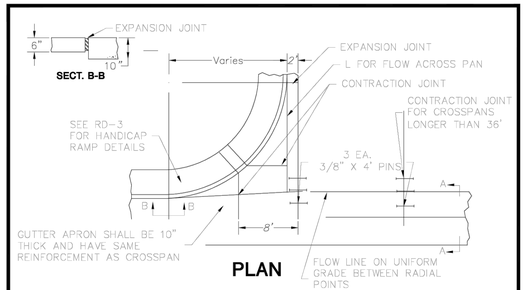
THE UPPER LANDING AREA IS REQUIRED IF:
A. THE ADJOINING SIDEWALK HAS A LONGITUDINAL GRADE (DIRECTION OF TRAVEL) IN EXCESS OF 1:20 (5.0%). SAID LANDING SHALL NOT EXCEED A 1:20 (5.0%) SLOPE IN ANY DIRECTION.
B. A CHANGE IN DIRECTION IS REQUIRED TO ENTER OF EXIT THE SLOPED TRANSITION. SAID LANDING SHALL SHALL NOT EXCEED 1:50 (2.0%) SLOPE IN ANY DIRECTION.

LANDINGS AND SLOPED TRANSITIONS SHALL MATCH THE WIDTH OF THE ADJOINING SIDEWALK, 3.0' MINIMUM.

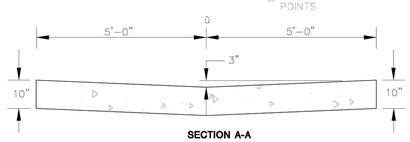
ALL TOOLED JOINTS WITHIN THE SLOPED TRANSITIONS SHALL RUN PERPENDICULAR TO THE DIRECTION OF TRAVEL.

ALL TOOLED JOINTS WITHIN THE LOWER LANDING AREA SHALL RUN PARALLEL TO AND/OR PERPENDICULAR TO THE DIRECTION OF VEHICULAR TRAVEL WITHIN THE TRAVELED WAY.

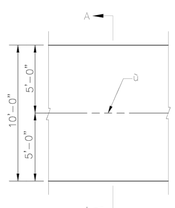
TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
HANDICAP RAMP DETAIL NOTES	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-3B



PLAN



SECTION A-A



PAN LENGTH	REBAR HAVING END AREA OF
36'	.10 Sq. In. Per Ft. (#4 @ 18" E.W.)
46'	.13 Sq. In. Per Ft. (#4 @ 18" E.W.)
64'	.20 Sq. In. Per Ft. (#4 @ 18" E.W.)
84'	.26 Sq. In. Per Ft. (#4 @ 18" E.W.)

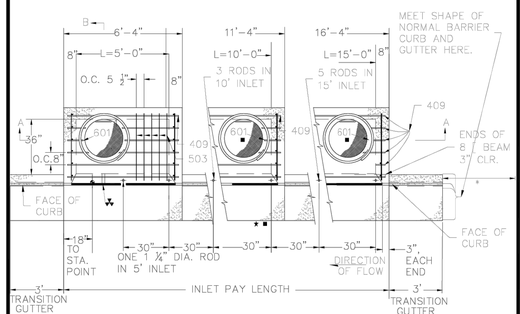
PLAN

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CROSSPAN	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-4

■ADDITIONAL MANHOLE, RING AND COVER REQUIRED WHEN L=10' OR MORE. CUT REINFORCEMENT BAR ACCORDINGLY.

☘ A 2" DIAMETER TEMPORARY HOLE FOR DRAINAGE SHALL BE PLACED AT SUBGRADE ELEVATION OR A MINIMUM THREE INCHES BELOW ROAD BASE. THE HOLE SHALL BE PLUGGED WITH CONCRETE BEFORE ACCEPTANCE OF THE INLET.

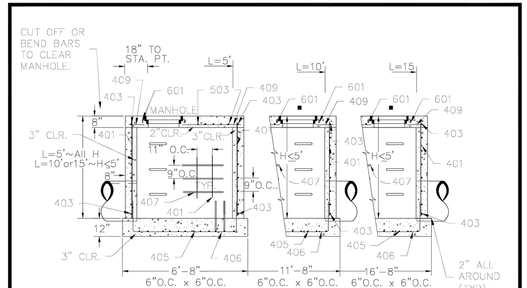
* FOR LENGTH GREATER THEN 5 FT. PROVIDE ACCESS AT BOTH ENDS.



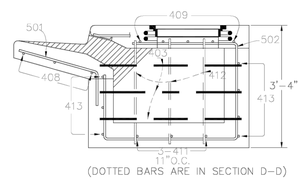
TYPICAL PLAN VIEW

NOTE:
MANHOLE RING & COVER, STATION POINT AND OUTFLOW PIPE SHALL BE LOCATED AT THE SAME END OF THE INLET.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET - TYPE R	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5A



SECTION A-A REGULAR INLET



(DOTTED BARS ARE IN SECTION D-D)

SECTIONS C-C & D-D

■ADDITIONAL MANHOLE, RING AND COVER REQUIRED WHEN L=10' OR MORE. CUT REINFORCEMENT BAR ACCORDINGLY.

NOTE:
MANHOLE RING & COVER, STATION POINT AND OUTFLOW PIPE SHALL BE LOCATED AT THE SAME END OF THE INLET.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET - TYPE R	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5B

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph. 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

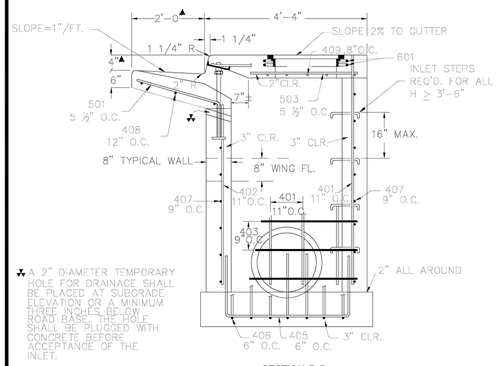
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

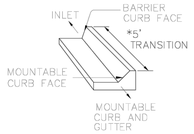
SHEET 22 OF 24

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS DETAILS.DWG 1

▲ FOR A 1'-0" PAN SLOPE 2" PER FT.

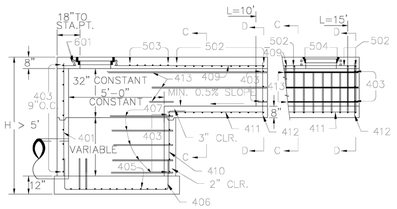


SECTION B-B
TYPICAL END VIEW

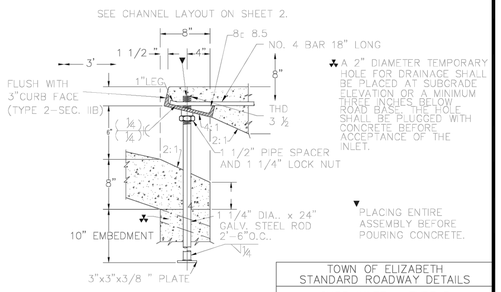


TRANSITION CURB

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET – TYPE R	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5C

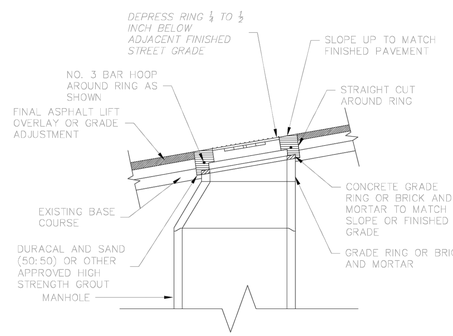


SECTION A-A
INLET WITH DROP BOX~H>5'



CURB FACE ASSEMBLY

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET – TYPE R	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5D



NOTES:
1. ADEQUATE BARRICADES SHALL BE PLACED AND MAINTAINED UNTIL THE COLLAR ATTAINS A COMPRESSIVE STRENGTH OF 3000 PSI.
2. DURACAL GROUT SHALL BE A MIXTURE OF 100 LBS. DURACAL, 26 LBS. WATER (3.12 GAL.) AND 100 LBS. OF SAND CONFORMING TO ASTM C-35.
3. MANHOLES SHALL NOT BE LOCATED IN CROSSPANS OR GUTTERS

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
MANHOLE RING AND COVER	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-7

THE FOLLOWING NOTES ARE APPLICABLE TO ALL ROADWAY SECTIONS IDENTIFIED ON THE FOLLOWING PAGES (LOCAL, MINOR COLLECTOR, MAJOR COLLECTOR, MINOR ARTERIAL AND MAJOR ARTERIAL), UNLESS MODIFICATIONS ARE APPROVED IN WRITING BY THE DIRECTOR OF PUBLIC WORKS.

NOTES:

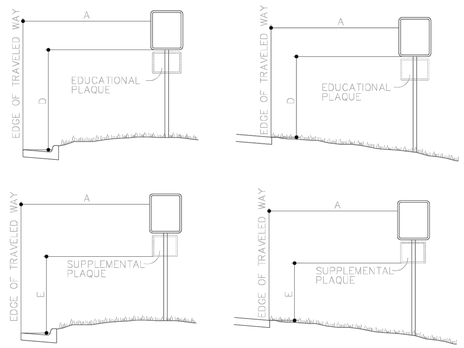
1. GUTTERS SHALL BE AT LEAST 6" THICK.
2. ALL COMBINATION CURB, GUTTER, AND SIDEWALKS TO BE 6" THICK (MIN.). SIDEWALKS WITH VERTICAL CURB AND GUTTER MAY BE 4" THICK.
3. TOTAL PAVEMENT THICKNESS TO BE DETERMINED BY PAVEMENT DESIGN PROCEDURES IN SECTION 5.4.
4. PLACEMENT, MOISTURE AND DENSITY CONTROL FOR SUBGRADE, SUBBASE AND SURFACING MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF CHAPTER 8 OF THE ROADWAY DESIGN AND CONSTRUCTION STANDARDS.
5. NON-LANDSCAPED MEDIAN ISLANDS SHALL BE COVERED WITH AN ACCEPTABLE IMPERMEABLE SURFACE.
6. LEGEND

P = PARKING ALLOWED

NP = NO PARKING ALLOWED

▲ = LANEAGE

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
STREET CROSS SECTIONS NOTES	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-8

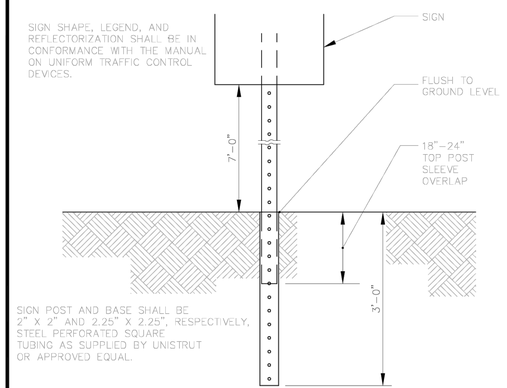


LATERAL PLACEMENT				
KEY	LOCAL STREETS		COLLECTORS & ARTERIALS	
	MINIMUM	NORMAL	MINIMUM	NORMAL
A	8'-0"	12'-0"	10'-0"	14'-0"

VERTICAL PLACEMENT			
KEY	URBAN		RURAL
	W/ SIDEWALKS	W/OUT SIDEWALKS	W/OUT SIDEWALKS
D	7'-0"	7'-0"	9'-0"
E	7'-0"	6'-0"	4'-0"

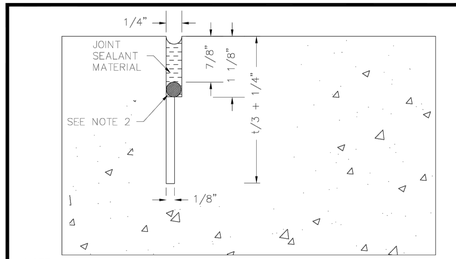
REGULATION SIGN PLACEMENT

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
REGULATION SIGN PLACEMENT	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-15



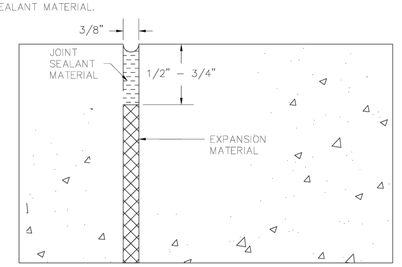
SIGN BASE DETAIL

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
SIGN BASE DETAIL	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-16



NOTE:
WASH & BLOW OUT WITH FORCED AIR UNTIL DRY BEORE APPLYING SEALANT MATERIAL.

SAWED JOINT



EXPANSION JOINT

NOTE:
JOINT SEALANT MATERIAL MUST MEET ASTM 3406, NYLON ROPE OR OPEN CEL POLYURETHANE STRAND.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
SAWED JOINT AND EXPANSION JOINT	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-20

terracina design
10200 E. Girard Ave, A-314
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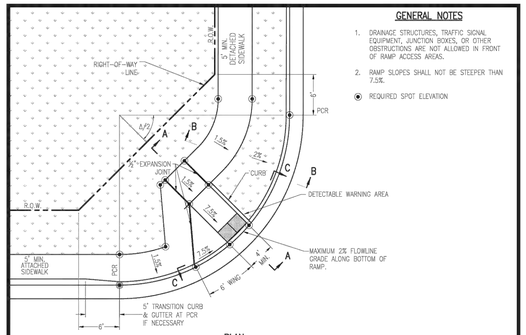
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MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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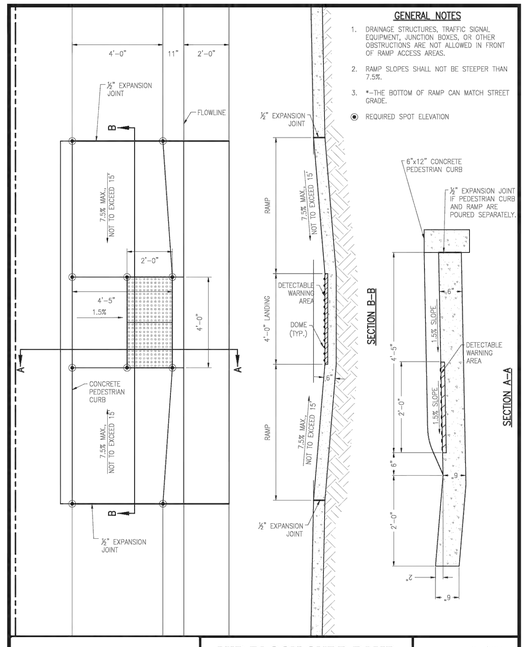
SHEET 23 OF

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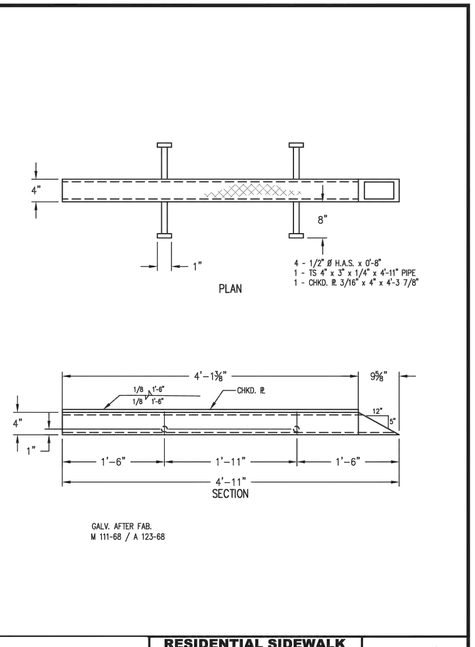
CURB RAMP FOR CURB RETURN RADIUS OF 20' TO 30'

Issued: 05/2013
Revised: 07/2021
Drawing No. **SP.19a**



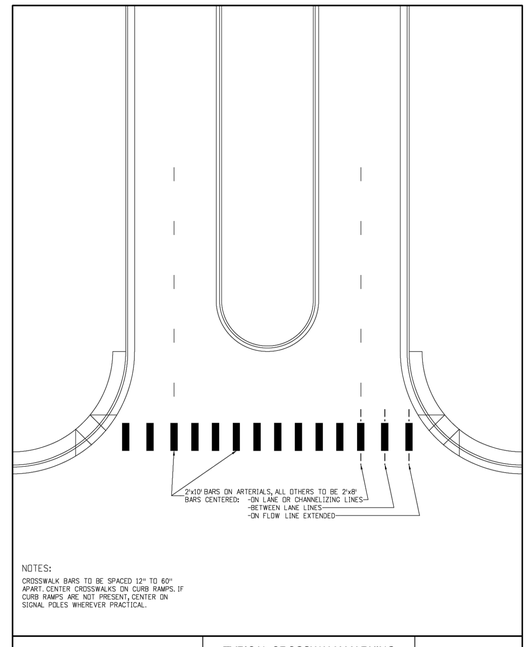
MID-BLOCK CURB RAMP

Issued: 05/2013
Revised: 07/2020
Drawing No. **SP.20**



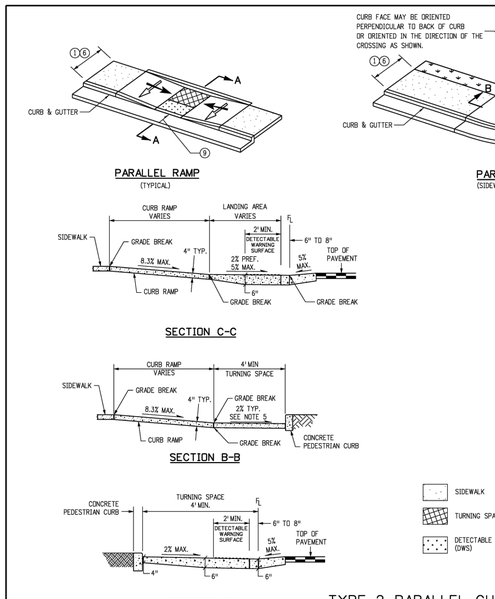
RESIDENTIAL SIDEWALK CURB CHASE DETAIL

Issued: 05/2013
Revised:
Drawing No. **SP.53b**



TYPICAL CROSSWALK MARKING

Issued: 6/15/2022
Revised:
Standard Drawing No. **SS.6**



TYPE 2 PARALLEL CURB RAMPS

Computer File Information		Sheet Revisions	
Creation Date: 07/31/19		Date:	Comments
Designer Initials: JBK			
Last Modification Date: 07/31/19			
Detailer Initials: LTA			
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English			

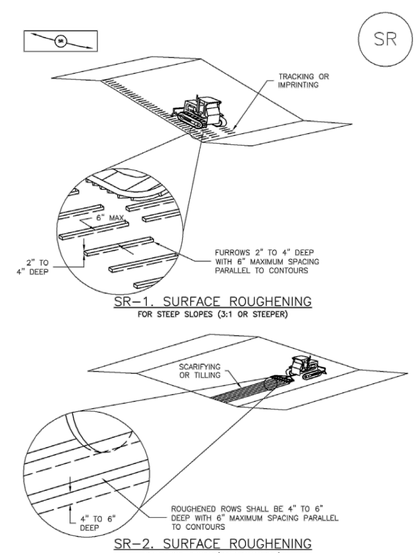
Colorado Department of Transportation
2829 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868
Project Development Branch JBK

CURB RAMPS

Issued by the Project Development Branch: July 31, 2019

STANDARD PLAN NO.
M-608-1
Standard Sheet No. 4 of 10
Project Sheet Number:

Surface Roughening (SR) EC-1



terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
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MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 24 OF

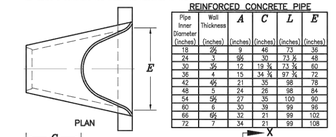
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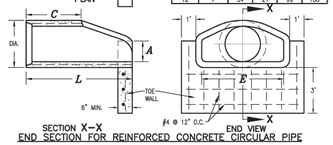
GENERAL NOTES

1. DIMENSIONS OF END SECTIONS MAY VARY SLIGHTLY FROM THOSE SHOWN ON THE TABLES DUE TO DIFFERENT MANUFACTURER'S VARIATIONS.
2. CONCRETE END SECTIONS ARE TO BE FURNISHED WITH TONGUE OR GROOVE AS REQUIRED.
3. DESIGN LENGTH OF CULVERT OR SIDE DRAIN IS BASED ON LENGTH OF END SECTION SHOWN IN TABLE. ANY ADDITIONAL PIPE REQUIRED TO PROVIDE THE DESIGN LENGTH SHALL BE FURNISHED BY AND AT THE EXPENSE OF THE CONTRACTOR.
4. INSIDE CONFIGURATION AND JOINT OF CONCRETE END SECTION END PIPE SHALL MATCH.
5. END SECTIONS FOR CMP ARCH CULVERT SHALL MATCH THE DIMENSIONS OF THE CULVERT SHOWN ON THE PLANS.
6. GALVANIZED TOE PLATE AS SHOWN, WILL BE REQUIRED ON END SECTIONS FOR CORRUGATED STEEL PIPE AND SHALL BE THE SAME THICKNESS AS END SECTIONS. TOE PLATE SHALL BE FIELD-BOLTED TO END SECTION WITH ⅜" GALVANIZED BOLTS, NUTS AND WASHERS.
7. GALVANIZED STEEL SHALL BE IN CONFORMANCE WITH AASHTO M 111, M 218 OR M 232.
8. FOR TYPE SD END SECTIONS, BARS SHALL BE FABRICATED FROM NPS-3 GALVANIZED STEEL SCHEDULE 40 PIPE WHICH SHALL BE IN CONFORMANCE WITH ASTM A 53.
9. FOR A TYPE SD END SECTION, THE INSTALLATION OF ALTERNATIVE 1 OR ALTERNATIVE 2 END SECTION SHALL BE THE CONTRACTOR'S OPTION.
10. CONCRETE PIPE JOINT FASTENERS SHALL BE INSTALLED AT THE FLARED END SECTION AND LAST TWO PIPE JOINTS OF ALL RCP OUTFALLS.
11. CONNECTIONS OF METAL END SECTIONS TO PLASTIC PIPE SHALL BE APPROVED BY THE ENGINEER.
12. CLASS D CONCRETE TOE WALLS ARE REQUIRED AT THE ENDS OF ALL FLARED END SECTIONS.

REINFORCED CONCRETE PIPE

Pipe Inner Diameter (inches)	Wall Thickness (inches)	A (inches)	C (inches)	L (inches)	E (inches)
18	2½	9	46	73	38
24	3	9½	30	73 ½	48
30	3½	12	19 ½	73 ½	60
36	4	15	34 ½	97 ½	72
42	4½	21	35	98	78
48	5	24	26	98	84
54	5½	27	35	100	90
60	6	30	39	99	96
66	6½	32	21	99	102
72	7	34	21	99	108

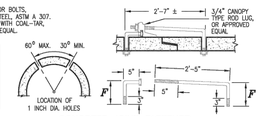




END SECTION FOR REINFORCED CONCRETE CIRCULAR PIPE

3/4 INCH GALVANIZED ANCHOR BOLTS, NUTS AND WASHERS, MILD STEEL, ASTM A 307. ROD LUG SHALL BE COATED WITH COAL-TAR, EPOXY PAINT OR APPROVED EQUAL.

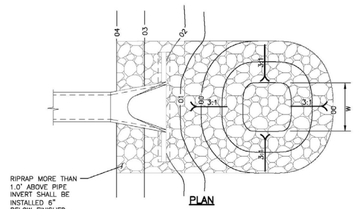
PIPE DIAMETER (inches)	F
18 – 30	5
36 – 42	6
48 – 60	7
72 – 84	9

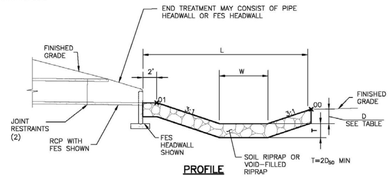


CONCRETE JOINT FASTENER (TWO PER JOINT)

CONCRETE OR METAL END SECTIONS

Issued: 05/2013
Revised: 09/2017
Drawing No. **SP.52a**

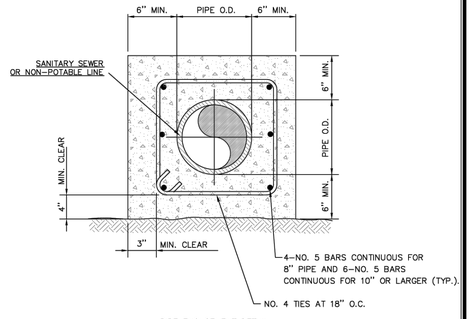




PIPE SIZE OR BOX HEIGHT	D	W*	L
18" – 24"	1'–0"	4'	15'
30" – 36"	1'–6"	6'	20'
42" – 48"	2'–0"	7'	24'
54" – 60"	2'–6"	8'	28'
66" – 72"	3'–0"	9'	32'

* IF OUTLET PIPE IS A BOX CULVERT WITH A WIDTH GREATER THAN W, THEN W = CULVERT WIDTH

Figure 9-37. Low tailwater riprap basin



PIPE ENCASEMENT DETAIL

NOTE:

1. CONCRETE SHALL NOT BE LEANER THAN 1 CEMENT; 2–1/2 SAND; 5 STONE AND SHALL NOT HAVE LESS THAN 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. PLACE CONCRETE AGAINST EITHER SOLID FORMWORK OR UNDISTURBED SOIL.
3. USE GR. 40 REINFORCING BARS.
4. USE ONLY IF SANITARY SEWER IS BELOW THE WATER LINE. DO NOT PLACE OR SPILL CONCRETE ON WATER LINE.

Pipe Encasement Detail

THESE DETAILS ARE PROVIDED FOR STANDARDIZATION PURPOSES ONLY. THIS DETAIL REPRESENTS MINIMUM DESIGN STANDARDS WHICH MAY REQUIRE UPGRADING FOR SPECIFIC APPLICATIONS. REFER TO TOWN OF FRASER MINIMUM DESIGN CRITERIA AND CONSTRUCTION STANDARDS FOR SPECIFIC MATERIAL AND INSTALLATION REQUIREMENTS.

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 25 OF 34

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILS.DWG 10

Description

Temporary seeding can be used to stabilize disturbed areas that will be inactive for an extended period. Permanent seeding should be used to stabilize areas at final grade that will not be otherwise stabilized. Effective seeding includes preparing a seedbed, selecting an appropriate seed mixture, using proper planting techniques, and protecting the seeded area with mulch, geotextiles, or other appropriate measures.



Photograph TS/PS -1. Equipment used to drill seed. Photo courtesy of Douglas County.

Appropriate Uses

When the soil surface is disturbed and will remain inactive for an extended period (typically determined by local government requirements), proactive stabilization measures, including planting a temporary seed mix, should be implemented. If the inactive period is short-lived (on the order of two weeks), techniques such as surface roughening may be appropriate. For longer periods of inactivity of up to one year, temporary seeding and mulching can provide effective erosion control. Permanent seeding should be used on finished areas that have not been otherwise stabilized.

The USDCM Volume 2 *Revegetation* Chapter contains suggested annual grains and native seed mixes to use for temporary seeding. Alternatively, local governments may have their own seed mixes and timelines for seeding. Check jurisdictional requirements for seeding and temporary stabilization.

Design and Installation

Effective seeding requires proper seedbed preparation, selecting an appropriate seed mixture, using appropriate seeding equipment to ensure proper coverage and density, and protecting seeded areas with mulch or fabric until plants are established.

The USDCM Volume 2 *Revegetation* Chapter contains detailed seed mixes, soil preparation practices, and seeding and mulching recommendations that should be referenced to supplement this Fact Sheet.

Drill seeding is the preferred seeding method. Hydroseeding is not recommended except in areas where steep slopes prevent use of drill seeding equipment, and even in these instances it is preferable to hand seed and mulch. Some jurisdictions do not allow hydroseeding or hydromulching.

Temporary and Permanent Seeding	
Functions	
Erosion Control	Yes
Sediment Control	No
Site/Material Management	No

Seedbed Preparation

Prior to seeding, ensure that areas to be revegetated have soil conditions capable of supporting vegetation. Overlot grading can result in loss of topsoil and compaction, resulting in poor quality subsoils at the ground surface that

have low nutrient value, little organic matter content, few soil microorganisms, rooting restrictions, and conditions less conducive to infiltration of precipitation. As a result, it is typically necessary to provide stockpiled topsoil, compost, or other soil amendments and rototill them into the soil to a depth of 6 inches or more.

Topsoil should be salvaged during grading operations for use and spread on areas to be revegetated later. Topsoil should be viewed as an important resource to be utilized for vegetation establishment, due to its water-holding capacity, structure, texture, organic matter content, biological activity, and nutrient content. The rooting depth of most native grasses in the semi-arid Denver metropolitan area is 6 to 18 inches. If present, at a minimum of the upper 6 inches of topsoil should be stripped, stockpiled, and ultimately respread across areas that will be revegetated.

Where topsoil is not available, subsoils should be amended to provide an appropriate plant-growth medium. Organic matter, such as well digested compost, can be added to improve soil characteristics conducive to plant growth. Other treatments can be used to adjust soil pH conditions when needed. Soil testing, which is typically inexpensive, should be completed to determine and optimize the types and amounts of amendments that are required.

If the disturbed ground surface is compacted, rip or rototill the upper 12 inches of the surface prior to placing topsoil. If adding compost to the existing soil surface, rototilling is necessary. Surface roughening will assist in placing a stable topsoil layer on steeper slopes, and allow infiltration and root penetration to greater depth. Topsoil should not be placed when either the salvaged topsoil or receiving ground are frozen or snow covered.

Prior to seeding, the soil surface should be rough and the seedbed should be firm, but neither too loose nor compacted. The upper layer of soil should be in a condition suitable for seeding at the proper depth and conducive to plant growth. Seed-to-soil contact is the key to good germination.

Refer to MHFD's Topsoil Management Guidance for detailed information on topsoil assessment, design, and construction.

Temporary Vegetation

To provide temporary vegetative cover on disturbed areas which will not be paved, built upon, or fully landscaped or worked for an extended period (typically 30 days or more), plant an annual grass appropriate for the time of planting and mulch the planted areas. Temporary grain seed mixes suitable for the Denver metropolitan area are listed in Table TS/PS-1. Native temporary seed mixes are provided in USDCM Volume 2, Chapter 13, Appendix A. These are to be considered only as general recommendations when specific design guidance for a particular site is not available. Local governments typically specify seed mixes appropriate for their jurisdiction.

Permanent Revegetation

To provide vegetative cover on disturbed areas that have reached final grade, a perennial grass mix should be established. Permanent seeding should be performed promptly (typically within 14 days) after reaching final grade. Each site will have different characteristics and a landscape professional or the local jurisdiction should be contacted to determine the most suitable seed mix for a specific site. In lieu of a specific recommendation, one of the perennial grass mixes appropriate for site conditions and growth season listed in seed mix tables in the USDCM Volume 2 *Revegetation* Chapter can be used. The pure live seed (PLS) rates of application recommended in these tables are considered to be absolute minimum rates for seed applied using proper drill-seeding equipment. These are to be considered only as general

recommendations when specific design guidance for a particular site is not available. Local governments typically specify seed mixes appropriate for their jurisdiction.

If desired for wildlife habitat or landscape diversity, shrubs such as rubber rabbitbrush (*Chrysothamnus nauseosus*), fourwing saltbush (*Atriplex canescens*) and skunkbrush sumac (*Rhus trilobata*) could be added to the upland seed mixes at 0.25, 0.5 and 1 pound PLS/acre, respectively. In riparian zones, planting root stock of such species as American plum (*Prunus americana*), woods rose (*Rosa woodsii*), plains cottonwood (*Populus sargentii*), and willow (*Salix spp.*) may be considered. On non-topsoiled upland sites, a legume such as Ladak alfalfa at 1 pound PLS/acre can be included as a source of nitrogen for perennial grasses.

Timing of seeding is an important aspect of the revegetation process. For upland and riparian areas on the Colorado Front Range, the suitable timing for seeding is from October through May. The most favorable time to plant non-irrigated areas is during the fall, so that seed can take advantage of winter and spring moisture. Seed should not be planted if the soil is frozen, snow covered, or wet.

Seeding dates for the highest success probability of perennial species along the Front Range are generally in the spring from April through early May and in the fall after the first of September until the ground freezes. If the area is irrigated, seeding may occur in summer months, as well. See Table TS/PS-2 for appropriate seeding dates.

Table TS/PS-1. Minimum Drill Seeding Rates for Various Temporary Annual Grasses

Species[a] (Common name)	Growth Season[b]	Pounds of Pure Live Seed (PLS)/acre[c]	Planting Depth (inches)
1. Oats	Cool	35 - 50	1 - 2
2. Spring wheat	Cool	25 - 35	1 - 2
3. Spring barley	Cool	25 - 35	1 - 2
4. Annual ryegrass	Cool	10 - 15	½
5. Millet	Warm	3 - 15	½ - ¾
6. Winter wheat	Cool	20–35	1 - 2
7. Winter barley	Cool	20–35	1 - 2
8. Winter rye	Cool	20–35	1 - 2
9. Triticale	Cool	25–40	1 - 2

[a] Successful seeding of annual grass resulting in adequate plant growth will usually produce enough dead-plant residue to provide protection from wind and water erosion for an additional year. This assumes that the cover is not disturbed or mowed closer than 8 inches.

Hydraulic seeding may be substituted for drilling only where slopes are steeper than 3:1 or where access limitations exist. When hydraulic seeding is used, hydraulic mulching should be applied as a separate operation, when practical, to prevent the seeds from being encapsulated in the mulch.

[b] See Table TS/PS-2 for seeding dates. Irrigation, if consistently applied, may extend the use of cool season species during the summer months.

[c] Seeding rates should be doubled if seed is broadcast, or increased by 50 percent if done using a Brillion Drill or by hydraulic seeding.

Table TS/PS-2. Seeding Dates for Annual and Perennial Grasses

	Annual Grasses (Numbers in table reference species in Table TS/PS-1)		Perennial Grasses	
Seeding Dates	**Warm**	**Cool**	**Warm**	**Cool**
January 1–March 15			✓	✓
March 16–April 30		1,2,3	✓	✓
May 1–May 15			✓	
May 16–June 30	5			
July 1–July 15	5			
July 16–August 31				
September 1–September 30		6, 7, 8, 9		
October 1–December 31			✓	✓

Mulch

Cover seeded areas with mulch or an appropriate rolled erosion control product to promote establishment of vegetation. Anchor mulch by crimping, netting or use of a non-toxic tackifier. See the USDCM Volume 2 *Revegetation* Chapter and Volume 3 Mulching BMP Fact Sheet (EC-04) for additional guidance.

Maintenance and Removal

Monitor and observe seeded areas to identify areas of poor growth or areas that fail to germinate. Reseed and mulch these areas, as needed.

If a temporary annual seed was planted, the area should be reseeded with the desired perennial mix when there will be no further work in the area. To minimize competition between annual and perennial species, the annual mix needs time to mature and die before seeding the perennial mix. To increase success of the perennial mix, it should be seeded during the appropriate seeding dates the second year after the temporary annual mix was seeded. Alternatively, if this timeline is not feasible, the annual mix seed heads should be removed and then the area seeded with the perennial mix.

An area that has been permanently seeded should have a good stand of vegetation within one growing season if irrigated and within three growing seasons without irrigation in Colorado. Reseed portions of the site that fail to germinate or remain bare after the first growing season.

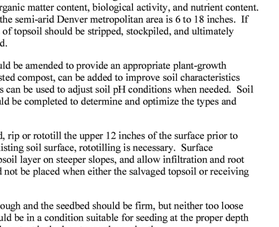
Seeded areas may require irrigation, particularly during extended dry periods. Targeted weed control may also be necessary.

Protect seeded areas from construction equipment and vehicle access.

Description

Mulching consists of evenly applying straw, hay, shredded wood mulch, rock, bark or compost to disturbed soils and securing the mulch by crimping, tackifiers, netting or other measures. Mulching helps reduce erosion by protecting bare soil from rainfall impact, increasing infiltration, and reducing runoff. Although often applied in conjunction with temporary or permanent seeding, it can also be used for temporary stabilization of areas that cannot be reseeded due to seasonal constraints.

Mulch can be applied either using standard mechanical dry application methods or using hydromulching equipment that hydraulically applies a slurry of water, wood fiber mulch, and often a tackifier.



Photograph MU-1. An area that was recently seeded, mulched, and crimped.

Appropriate Uses

Use mulch in conjunction with seeding to help protect the seedbed and stabilize the soil. Mulch can also be used as a temporary cover on low to mild slopes to help temporarily stabilize disturbed areas where growing season constraints prevent effective reseeding. Disturbed areas should be properly mulched and tacked, or seeded, mulched and tacked promptly after final grade is reached (typically within no longer than 14 days) on portions of the site not otherwise permanently stabilized.

Standard dry mulching is encouraged in most jurisdictions; however, hydromulching may not be allowed in certain jurisdictions or may not be allowed near waterways.

Do not apply mulch during windy conditions.

Design and Installation

Prior to mulching, surface-roughen areas by rolling with a crimping or punching type roller or by track walking. Track walking should only be used where other methods are impractical because track walking with heavy equipment typically compacts the soil.

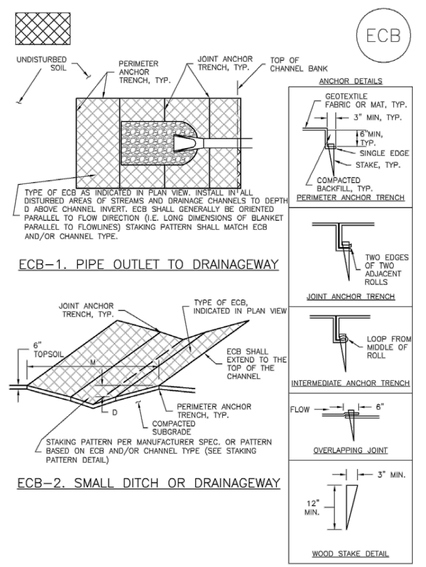
A variety of mulches can be used effectively at construction sites. Consider the following:

Mulch	
Functions	
Erosion Control	Yes
Sediment Control	Moderate
Site/Material Management	No

- Clean, weed-free and seed-free cereal grain straw should be applied evenly at a rate of 2 tons per acre and must be tacked or fastened by a method suitable for the condition of the site. Straw mulch must be anchored (and not merely placed) on the surface. This can be accomplished mechanically by crimping or with the aid of tackifiers or nets. Anchoring with a crimping implement is preferred, and is the recommended method for areas flatter than 3:1. Mechanical crimpers must be capable of tucking the long mulch fibers into the soil to a depth of 3 inches without cutting them. An agricultural disk, while not an ideal substitute, may work if the disk blades are dull or blunted and set vertically; however, the frame may have to be weighted to afford proper soil penetration.
- Grass hay may be used in place of straw; however, because hay is comprised of the entire plant including seed, mulching with hay may seed the site with non-native grass species which might in turn out-compete the native seed. Alternatively, native species of grass hay may be purchased, but can be difficult to find and are more expensive than straw. Purchasing and utilizing a certified weed-free straw is an easier and less costly mulching method. When using grass hay, follow the same guidelines as for straw (provided above).
- On small areas sheltered from the wind and heavy runoff, spraying a tackifier on the mulch is satisfactory for holding it in place. For steep slopes and special situations where greater control is needed, erosion control blankets anchored with stakes should be used instead of mulch.
- Hydraulic mulching consists of wood cellulose fibers mixed with water and a tackifying agent and should be applied at a rate of no less than 1,500 pounds per acre (1,425 lbs of fibers mixed with at least 75 lbs of tackifier) with a hydraulic mulcher. For steeper slopes, up to 2000 pounds per acre may be required for effective hydroseeding. Hydromulch typically requires up to 24 hours to dry; therefore, it should not be applied immediately prior to inclement weather. Application to roads, waterways and existing vegetation should be avoided.
- Erosion control mats, blankets, or nets are recommended to help stabilize steep slopes (generally 3:1 and steeper) and waterways. Depending on the product, these may be used alone or in conjunction with grass or straw mulch. Normally, use of these products will be restricted to relatively small areas. Biodegradable mats made of straw and jute, straw-coconut, coconut fiber, or excelsior can be used instead of mulch. (See the ECM/TRM BMP for more information.)
- Some tackifiers or binders may be used to anchor mulch. Check with the local jurisdiction for allowed tackifiers. Manufacturer's recommendations should be followed at all times. (See the Soil Binder BMP for more information on general types of tackifiers.)
- Rock can also be used as mulch. It provides protection of exposed soils to wind and water erosion and allows infiltration of precipitation. An aggregate base course can be spread on disturbed areas for temporary or permanent stabilization. The rock mulch layer should be thick enough to provide full coverage of exposed soil on the area it is applied.

Maintenance and Removal

After mulching, the bare ground surface should not be more than 10 percent exposed. Reapply mulch, as needed, to cover bare areas.



terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

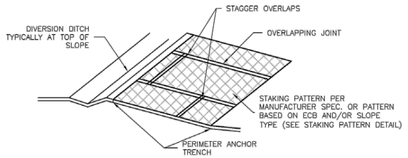
NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

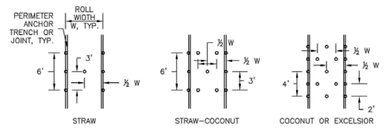
Know what's below. Call before you dig. 811

SHEET 26 OF

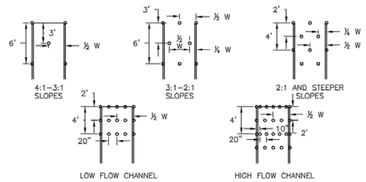
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ECB–3. OUTSIDE OF DRAINAGEWAY



STAKING PATTERNS BY ECB TYPE



STAKING PATTERNS BY SLOPE OR CHANNEL TYPE

EROSION CONTROL BLANKET INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF ECB.
   –TYPE OF ECB (STRAW, STRAW–COCONUT, COCONUT, OR EXCELSIOR).
   –AREA, A, IN SQUARE YARDS OF EACH TYPE OF ECB.

2. 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECPs, ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.

3. IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.

4. PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.

5. JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.

6. INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE–HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECBs.

7. OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES.

8. MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB–1.

9. ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBS SHALL BE RESEEDED AND MULCHED.

10. DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

TABLE ECB–1. ECB MATERIAL SPECIFICATIONS

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING**
STRAW*	–	100%	–	DOUBLE/ NATURAL
STRAW–COCONUT	30% MIN	70% MAX	–	DOUBLE/ NATURAL
COCONUT	100%	–	–	DOUBLE/ NATURAL
EXCELSIOR	–	–	100%	DOUBLE/ NATURAL

*STRAW ECBs MAY ONLY BE USED OUTSIDE OF STREAMS AND DRAINAGE CHANNEL.
**ALTERNATE NETTING MAY BE ACCEPTABLE IN SOME JURISDICTIONS

EROSION CONTROL BLANKET MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

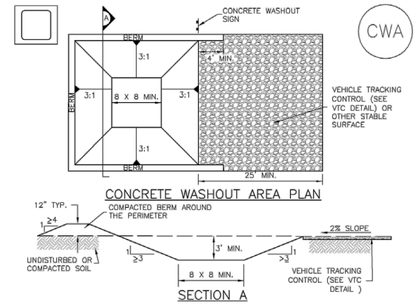
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.

5. ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATED A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER COLORADO, NOT AVAILABLE IN AUTOCAD)



CONCRETE WASHOUT AREA PLAN

SECTION A

CWA–1. CONCRETE WASHOUT AREA

CWA INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –CWA INSTALLATION LOCATION.

2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (10 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.

3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.

4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.

5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.

6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.

7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.

8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

CWA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.

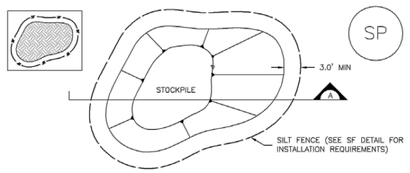
5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER–TIGHT CONTAINER AND DISPOSED OF PROPERLY.

6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.

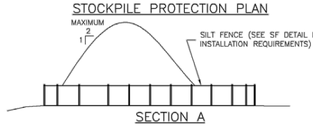
7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD).

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



STOCKPILE PROTECTION PLAN



SECTION A

SP–1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF STOCKPILES.
   –TYPE OF STOCKPILE PROTECTION.

2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.

3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30–60 DAYS).

4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

STOCKPILE PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

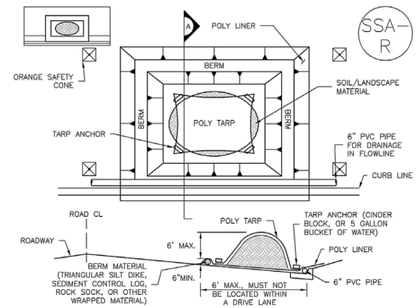
STOCKPILE PROTECTION MAINTENANCE NOTES

4. IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.

5. STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

(DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



SP–2. MATERIALS STAGING IN ROADWAY

MATERIALS STAGING IN ROADWAYS INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF MATERIAL STAGING AREA(S).
   –CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.

2. FEATURE MUST BE INSTALLED PRIOR TO EXCAVATION, EARTHWORK OR DELIVERY OF MATERIALS.

3. MATERIALS MUST BE STATIONED ON THE POLY LINER. ANY INCIDENTAL MATERIALS DEPOSITED ON PAVED SECTION OR ALONG CURB LINE MUST BE CLEANED UP PROMPTLY.

4. POLY LINER AND TARP COVER SHOULD BE OF SIGNIFICANT THICKNESS TO PREVENT DAMAGE OR LOSS OF INTEGRITY.

5. SAND BAGS MAY BE SUBSTITUTED TO ANCHOR THE COVER TARP OR PROVIDE BERMING UNDER THE BASE LINER.

6. FEATURE IS NOT INTENDED FOR USE WITH WET MATERIAL THAT WILL BE DRAINING AND/OR SPREADING OUT ON THE POLY LINER OR FOR DEMOLITION MATERIALS.

7. THIS FEATURE CAN BE USED FOR:
   –UTILITY REPAIRS.
   –WHEN OTHER STAGING LOCATIONS AND OPTIONS ARE LIMITED.
   –OTHER LIMITED APPLICATION AND SHORT DURATION STAGING.

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 27 OF

Page 98

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILS.DWG 5

MATERIALS STAGING IN ROADWAY MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

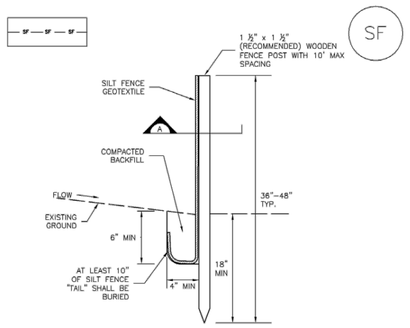
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. INSPECT PVC PIPE ALONG CURB LINE FOR CLOGGING AND DEBRIS. REMOVE OBSTRUCTIONS PROMPTLY.

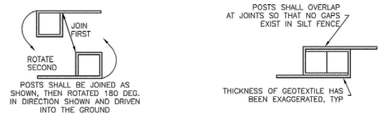
5. CLEAN MATERIAL FROM PAVED SURFACES BY SWEEPING OR VACUUMING.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM AURORA, COLORADO)



SILT FENCE



SECTION A

SF-1. SILT FENCE

SILT FENCE INSTALLATION NOTES

1. SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2–5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.

2. A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.

3. COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.

4. SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.

5. SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.

6. AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' – 20').

7. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

SILT FENCE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".

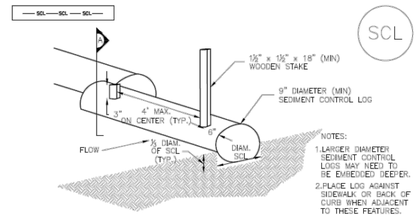
5. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.

6. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.

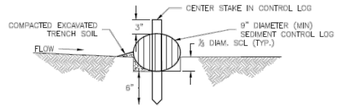
7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)

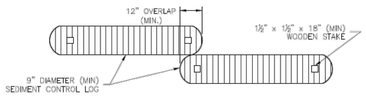
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



TRENCHED SEDIMENT CONTROL LOG

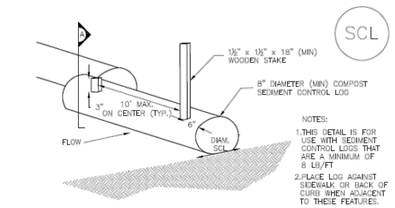


SECTION (A)
TRENCHED SEDIMENT CONTROL LOG

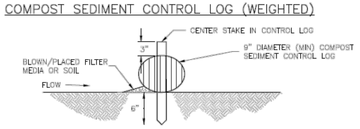


LOG JOINTS

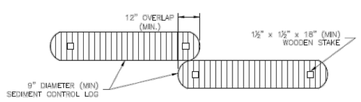
SCL-1. TRENCHED SEDIMENT CONTROL LOG



COMPOST SEDIMENT CONTROL LOG (WEIGHTED)

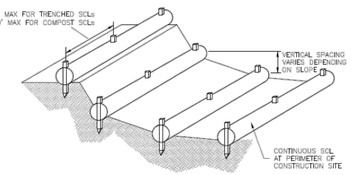


SECTION (A)
COMPOST SEDIMENT CONTROL LOG



LOG JOINTS

SCL-2. COMPOST SEDIMENT CONTROL LOG (WEIGHTED)



SCL-3. SEDIMENT CONTROL LOGS TO CONTROL SLOPE LENGTH

SEDIMENT CONTROL LOG INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.

2. SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADIENT LAND-DISTURBING ACTIVITIES.

3. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.

4. SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS.

5. IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY ⅓ OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING. COMPOST LOGS THAT ARE 8 LB/FT DO NOT NEED TO BE TRENCHED.

6. THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL OR FILTER MATERIAL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER OR BLOWN IN PLACE.

7. FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED. COMPOST LOGS SHOULD BE STAKED 10' ON CENTER.

SEDIMENT CONTROL LOG MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

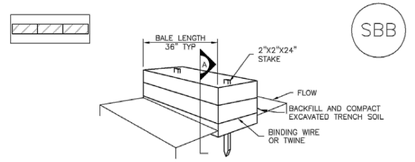
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY ½ OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.

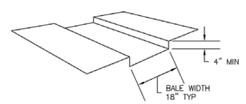
5. SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION.COMPOST FROM COMPOST LOGS MAY BE LEFT IN PLACE AS LONG AS BAGS ARE REMOVED AND THE AREA SEEDED. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, JEFFERSON COUNTY, COLORADO, DOUGLAS COUNTY, COLORADO, AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

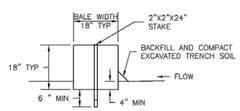
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STRAW BALE



TRENCH FOR STRAW BALE



SECTION A

SBB-1. STRAW BALE

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 28 OF

1/30/2025 11:25 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS DETAILS.DWG 6

STRAW BALE INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION(S) OF STRAW BALES.

2. STRAW BALES SHALL CONSIST OF CERTIFIED WEED FREE STRAW OR HAY. LOCAL JURISDICTIONS MAY REQUIRE PROOF THAT BALES ARE WEED FREE.

3. STRAW BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF STRAW OR HAY AND WEIGH NOT LESS THAN 35 POUNDS.

4. WHEN STRAW BALES ARE USED IN SERIES AS A BARRIER, THE END OF EACH BALE SHALL BE TIGHTLY ABUTTING ONE ANOTHER.

5. STRAW BALE DIMENSIONS SHALL BE APPROXIMATELY 36"X18"X18".

6. A UNIFORM ANCHOR TRENCH SHALL BE EXCAVATED TO A DEPTH OF 4". STRAW BALES SHALL BE PLACED SO THAT BINDING TWINE IS ENCOMPASSING THE VERTICAL SIDES OF THE BALE(S). ALL EXCAVATED SOIL SHALL BE PLACED ON THE UPHILL SIDE OF THE STRAW BALE(S) AND COMPACTED.

7. TWO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE. WOODEN STAKES SHALL BE 2"X2"X24". WOODEN STAKES SHALL BE DRIVEN 6" INTO THE GROUND.

STRAW BALE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. STRAW BALES SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN, OR DAMAGED BEYOND REPAIR.

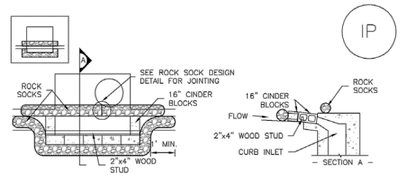
5. SEDIMENT ACCUMULATED UPSTREAM OF STRAW BALE BARRIER SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY ¼ OF THE HEIGHT OF THE STRAW BALE BARRIER.

6. STRAW BALES ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

7. WHEN STRAW BALES ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



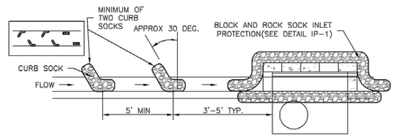
IP–1. BLOCK AND ROCK SOCK SUMP OR ON GRADE INLET PROTECTION

BLOCK AND CURB SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. CONCRETE "CINDER" BLOCKS SHALL BE LAID ON THEIR SIDES AROUND THE INLET IN A SINGLE ROW, ABUTTING ONE ANOTHER WITH THE OPEN END FACING AWAY FROM THE CURB.

3. GRAVEL BAGS SHALL BE PLACED AROUND CONCRETE BLOCKS, CLOSELY ABUTTING ONE ANOTHER AND JOINTED TOGETHER IN ACCORDANCE WITH ROCK SOCK DESIGN DETAIL.



IP–2. CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION

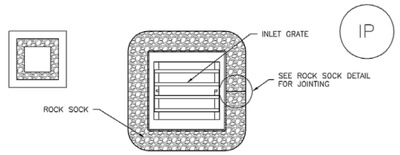
CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL INSTALLATION REQUIREMENTS.

2. PLACEMENT OF THE SOCK SHALL BE APPROXIMATELY 30 DEGREES FROM PERPENDICULAR IN THE OPPOSITE DIRECTION OF FLOW.

3. SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 5 FEET APART.

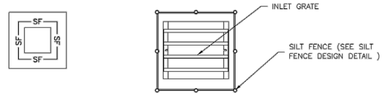
4. AT LEAST TWO CURB SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON–GRADE INLETS.



IP–3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES
1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



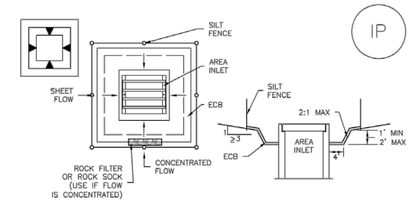
IP–4. SILT FENCE FOR SUMP INLET PROTECTION

SILT FENCE INLET PROTECTION INSTALLATION NOTES

1. SEE SILT FENCE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF 3 FEET.

3. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



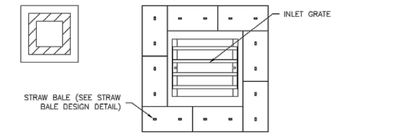
IP–5. OVEREXCAVATION INLET PROTECTION

OVEREXCAVATION INLET PROTECTION INSTALLATION NOTES

1. THIS FORM OF INLET PROTECTION IS PRIMARILY APPLICABLE FOR SITES THAT HAVE NOT YET REACHED FINAL GRADE AND SHOULD BE USED ONLY FOR INLETS WITH A RELATIVELY SMALL CONTRIBUTING DRAINAGE AREA.

2. WHEN USING FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW.

3. SEDIMENT MUST BE PERIODICALLY REMOVED FROM THE OVEREXCAVATED AREA.

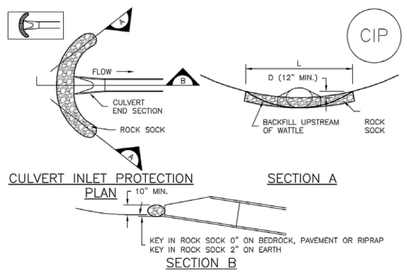


IP–6. STRAW BALE FOR SUMP INLET PROTECTION

STRAW BALE BARRIER INLET PROTECTION INSTALLATION NOTES

1. SEE STRAW BALE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. BALES SHALL BE PLACED IN A SINGLE ROW AROUND THE INLET WITH ENDS OF BALES TIGHTLY ABUTTING ONE ANOTHER.



CIP–1. CULVERT INLET PROTECTION

CULVERT INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF CULVERT INLET PROTECTION.

2. SEE ROCK SOCK DESIGN DETAIL FOR ROCK GRADATION REQUIREMENTS AND JOINTING DETAIL.

CULVERT INLET PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF THE CULVERT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS ½ THE HEIGHT OF THE ROCK SOCK.

5. CULVERT INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

GENERAL INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF INLET PROTECTION.
   –TYPE OF INLET PROTECTION (IP.1, IP.2, IP.3, IP.4, IP.5, IP.6)

2. INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS). IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.

3. MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

INLET PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN STORAGE VOLUME REACHES 50% OF CAPACITY, A DEPTH OF 6" WHEN SILT FENCE IS USED, OR ¼ OF THE HEIGHT FOR STRAW BALES.

5. INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED, UNLESS THE LOCAL JURISDICTION APPROVES EARLIER REMOVAL OF INLET PROTECTION IN STREETS.

6. WHEN INLET PROTECTION AT AREA INLETS IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF INLET PROTECTION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY PROPRIETARY INLET PROTECTION METHODS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY INLET PROTECTION; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

NOTE: SOME MUNICIPALITIES DISCOURAGE OR PROHIBIT THE USE OF STRAW BALES FOR INLET PROTECTION. CHECK WITH LOCAL JURISDICTION TO DETERMINE IF STRAW BALE INLET PROTECTION IS ACCEPTABLE.

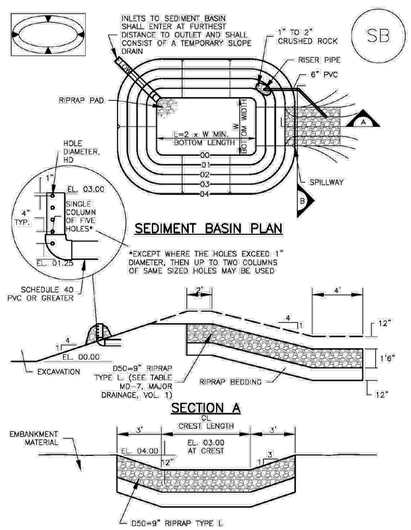


TABLE SB–1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (W), (ft)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)
1	12 ½	2	9/32
2	21	3	13/16
3	28	5	½
4	33 ½	6	9/16
5	38 ½	8	27/32
6	43	9	27/32
7	47 ¾	11	27/32
8	51	12	27/32
9	55	13	⅞
10	58 ¾	15	15/16
11	61	16	31/32
12	64	18	1
13	67 ½	19	1 1/16
14	70 ½	21	1 ⅛
15	73 ¼	22	1 3/16

SEDIMENT BASIN INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF SEDIMENT BASIN.
   –TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
   –FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
   –FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.

2. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.

3. SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND–DISTURBING ACTIVITY THAT RELIES ON ON BASINS AS AS A STORMWATER CONTROL.

4. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.

5. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.

6. PIPE SCH 40 OR GREATER SHALL BE USED.

7. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 29 OF 31

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILS.DWG 7

SEDIMENT BASIN MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

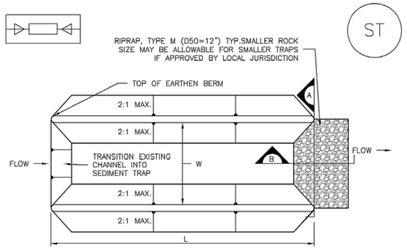
4. SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).

5. SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.

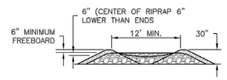
6. WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)

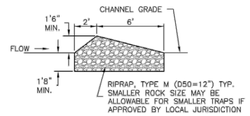
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



SEDIMENT TRAP PLAN



SECTION A



SECTION B

ST-1. SEDIMENT TRAP

SEDIMENT TRAP INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION, LENGTH AND WIDTH OF SEDIMENT TRAP.

2. ONLY USE FOR DRAINAGE AREAS LESS THAN 1 ACRE.

3. SEDIMENT TRAPS SHALL BE INSTALLED PRIOR TO ANY UPGRADIENT LAND–DISTURBING ACTIVITIES.

4. SEDIMENT TRAP BERM SHALL BE CONSTRUCTED FROM MATERIAL FROM EXCAVATION. THE BERM SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.

5. SEDIMENT TRAP OUTLET TO BE CONSTRUCTED OF RIPRAP, TYPE M (D50=12") TYP.SMALLER ROCK SIZE MAY BE ALLOWABLE FOR SMALLER TRAPS IF APPROVED BY LOCAL JURISDICTION.

6. THE TOP OF THE EARTHEN BERM SHALL BE A MINIMUM OF 6" HIGHER THAN THE TOP OF THE RIPRAP OUTLET STRUCTURE.

7. THE ENDS OF THE RIPRAP OUTLET STRUCTURE SHALL BE A MINIMUM OF 6" HIGHER THAN THE CENTER OF THE OUTLET STRUCTURE.

SEDIMENT TRAP MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. REMOVE SEDIMENT ACCUMULATED IN TRAP AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN THE SEDIMENT DEPTH REACHES ½ THE HEIGHT OF THE RIPRAP OUTLET.

5. SEDIMENT TRAPS SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

6. WHEN SEDIMENT TRAPS ARE REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

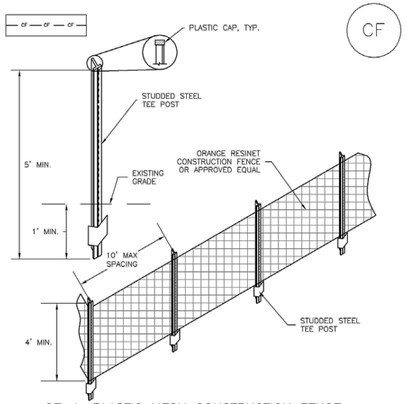
(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

Table CP-1. Typical Phased BMP Installation for Construction Projects

Project Phase	BMPs
Pre-disturbance, Site Access	▪ Install sediment controls downgradient of access point (on paved streets this may consist of inlet protection). ▪ Establish vehicle tracking control at entrances to paved streets. Fence as needed. ▪ Use construction fencing to define the boundaries of the project and limit access to areas of the site that are not to be disturbed. **Note: it may be necessary to protect inlets in the general vicinity of the site, even if not downgradient, if there is a possibility that sediment tracked from the site could contribute to the inlets.**
Site Clearing and Grubbing	▪ Install perimeter controls as needed on downgradient perimeter of site (silt fence, wattles, etc). ▪ Limit disturbance to those areas planned for disturbance and protect undisturbed areas within the site (construction fence, flagging, etc). ▪ Preserve vegetative buffer at site perimeter. ▪ Create stabilized staging area. ▪ Locate portable toilets on flat surfaces away from drainage paths. Stake in areas susceptible to high winds. ▪ Construct concrete washout area and provide signage. ▪ Establish waste disposal areas. ▪ Install sediment basins. ▪ Create dirt perimeter berms and/or brush barriers during grubbing and clearing. ▪ Separate and stockpile topsoil, leave roughened and/or cover. ▪ Protect stockpiles with perimeter control BMPs. Stockpiles should be located away from drainage paths and should be accessed from the upgradient side so that perimeter controls can remain in place on the downgradient side. Use erosion control blankets, temporary seeding, and/or mulch for stockpiles that will be inactive for an extended period. ▪ Leave disturbed area of site in a roughened condition to limit erosion. Consider temporary revegetation for areas of the site that have been disturbed but that will be inactive for an extended period. ▪ Water to minimize dust but not to the point that watering creates runoff.

Project Phase	BMPs
Utility And Infrastructure Installation	**In Addition to the Above BMPs:** ▪ Close trench as soon as possible (generally at the end of the day). ▪ Use rough-cut street control or apply road base for streets that will not be promptly paved. ▪ Provide inlet protection as streets are paved and inlets are constructed. ▪ Protect and repair BMPs, as necessary. ▪ Perform street sweeping as needed.
Building Construction	**In Addition to the Above BMPs:** ▪ Implement materials management and good housekeeping practices for home building activities. ▪ Use perimeter controls for temporary stockpiles from foundation excavations. ▪ For lots adjacent to streets, lot-line perimeter controls may be necessary at the back of curb.
Final Grading	**In Addition to the Above BMPs:** ▪ Remove excess or waste materials. ▪ Remove stored materials.
Final Stabilization	**In Addition to the Above BMPs:** ▪ Seed and mulch/tackify. ▪ Seed and install blankets on steep slopes. ▪ Remove all temporary BMPs when site has reached final stabilization.



CF–1. PLASTIC MESH CONSTRUCTION FENCE

CONSTRUCTION FENCE INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF CONSTRUCTION FENCE.

2. CONSTRUCTION FENCE SHOWN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

3. CONSTRUCTION FENCE SHALL BE COMPOSED OF ORANGE, CONTRACTOR–GRADE MATERIAL THAT IS AT LEAST 4' HIGH. METAL POSTS SHOULD HAVE A PLASTIC CAP FOR SAFETY.

4. STUDDED STEEL TEE POSTS SHALL BE UTILIZED TO SUPPORT THE CONSTRUCTION FENCE. MAXIMUM SPACING FOR STEEL TEE POSTS SHALL BE 10'.

5. CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO THE TOP, MIDDLE, AND BOTTOM OF EACH POST.

CONSTRUCTION FENCE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

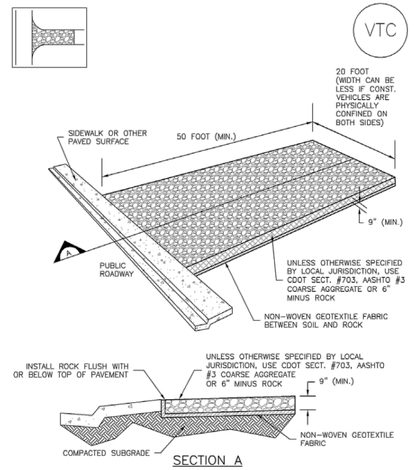
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED WHEN THERE ARE SIGNS OF DAMAGE SUCH AS RIPS OR SAGS. CONSTRUCTION FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

5. WHEN CONSTRUCTION FENCES ARE REMOVED, ALL DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE FENCE SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)



SECTION A

VTC–1. AGGREGATE VEHICLE TRACKING CONTROL

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

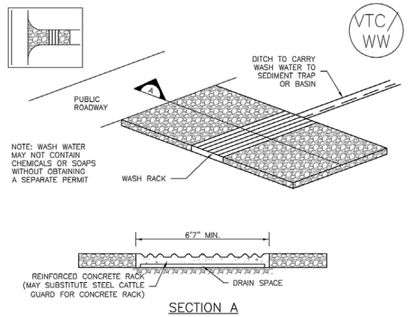
NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

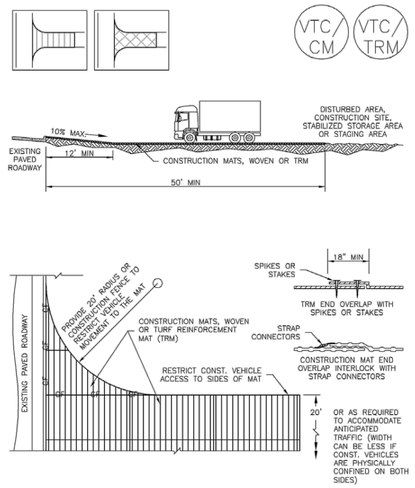
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SECTION A

VTC–2. AGGREGATE VEHICLE TRACKING CONTROL WITH WASH RACK



VTC–3. VEHICLE TRACKING CONTROL W/ CONSTRUCTION MAT OR TURF REINFORCEMENT MAT (TRM)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S).
   –TYPE OF CONSTRUCTION ENTRANCE(S)/EXITS(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).

2. CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.

3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT–OF–WAYS.

4. STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

5. A NON–WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.

6. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.

5. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

Description

A stabilized construction roadway is a temporary method to control sediment runoff, vehicle tracking, and dust from roads during construction activities.



Photograph SCR-1. Stabilized construction roadway.

Appropriate Uses

Use on high traffic construction roads to minimize dust and erosion.

Stabilized construction roadways are used instead of rough-cut street controls on roadways with frequent construction traffic.

Design and Installation

Stabilized construction roadways typically involve two key components: 1) stabilizing the road surface with an aggregate base course of 3-inch-diameter granular material and 2) stabilizing roadside ditches, if applicable. Early application of road base is generally suitable where a layer of coarse aggregate is specified for final road construction.

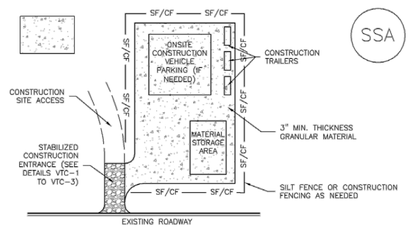
Maintenance and Removal

Apply additional gravel as necessary to ensure roadway integrity.

Inspect drainage ditches along the roadway for erosion and stabilize, as needed, through the use of check dams or rolled erosion control products.

Gravel may be removed once the road is ready to be paved. Prior to paving, the road should be inspected for grade changes and damage. Regrade and repair as necessary.

Stabilized Construction Roadway	
Functions	
Erosion Control	Yes
Sediment Control	Moderate
Site/Material Management	Yes



SSA–1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF STAGING AREA(S).
   –CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.

2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.

3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.

4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.

5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

6. ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

STABILIZED STAGING AREA MAINTENANCE NOTES

5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.

6. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.

NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE–ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

Description

Street sweeping and vacuuming remove sediment that has been tracked onto roadways to reduce sediment transport into storm drain systems or a surface waterway.

Appropriate Uses

Use this practice at construction sites where vehicles may track sediment offsite onto paved roadways.

Design and Installation

Street sweeping or vacuuming should be conducted when there is noticeable sediment accumulation on roadways adjacent to the construction site. Typically, this will be concentrated at the entrance/exit to the construction site. Well-maintained stabilized construction entrances, vehicle tracking controls and tire wash facilities can help reduce the necessary frequency of street sweeping and vacuuming.



Photograph SS-1. A street sweeper removes sediment and potential pollutants along the curb line at a construction site. Photo courtesy of Tom Gore.

On smaller construction sites, street sweeping can be conducted manually using a shovel and broom. Never wash accumulated sediment on roadways into storm drains.

Maintenance and Removal

- Inspect paved roads around the perimeter of the construction site on a daily basis and more frequently, as needed. Remove accumulated sediment, as needed.
- Following street sweeping, check inlet protection that may have been displaced during street sweeping.
- Inspect area to be swept for materials that may be hazardous prior to beginning sweeping operations.

Street Sweeping/ Vacuuming	
Functions	
Erosion Control	No
Sediment Control	Yes
Site/Material Management	Yes

Description

Manage runoff from paving and grinding operations to reduce pollutants entering storm drainage systems and natural drainageways.

Appropriate Uses

Use runoff management practices during all paving and grinding operations such as surfacing, resurfacing, and saw cutting.



Photograph PGO-1. Paving operations on a Colorado highway. Photo courtesy of CDOT.

Design and Installation

There are a variety of management strategies that can be used to manage runoff from paving and grinding operations:

- Establish inlet protection for all inlets that could potentially receive runoff.
- Schedule paving operations when dry weather is forecasted.
- Keep spill kits onsite for equipment spills and keep drip pans onsite for stored equipment.
- Install perimeter controls when asphalt material is used on embankments or shoulders near waterways, drainages, or inlets.
- Do not wash any paved surface into receiving storm drain inlets or natural drainageways. Instead, loose material should be swept or vacuumed following paving and grinding operations.
- Store materials away from drainages or waterways.
- Recycle asphalt and pavement material when feasible. Material that cannot be recycled must be disposed of in accordance with applicable regulations.

See BMP Fact Sheets for Inlet Protection, Silt Fence and other perimeter controls selected for use during paving and grinding operations.

Maintenance and Removal

Perform maintenance and removal of inlet protection and perimeter controls in accordance with their respective fact sheets.

Promptly respond to spills in accordance with the spill prevention and control plan.

Paving and Grinding Operations	
Functions	
Erosion Control	No
Sediment Control	No
Site/Material Management	Yes

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 31 OF 34

1/30/2025 11:25 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS DETAILS.DWG 9

STAFF REPORT

Minor Development/Replat and Site Plan Application

Main Street Depot Parking Lot

392 & 444 S Main Street

Applicant: Town of Elizabeth & Don and Linda Bulmer

Location: Northeast corner of Main Street and Spruce Street

Attachment A: Applicant's submittal documents and proposed plans

Attachment B: Referral agency compiled comments letters and redlines

Attachment C: Public Notice

Executive Summary

The Town of Elizabeth and Don and Linda Bulmer request approval for a minor development (replat) and site plan for the Main Street Depot project at 392 and 444 S Main Street. The proposal would reconfigure approximately 3 acres of downtown property into three lots: one maintaining the existing Carriage Shoppes, one preserving Main Street frontage for future commercial development, and one adjacent to Running Creek Park for a 116-space public parking facility with restrooms.

The Main Street Streetscape Project requires alternative parking solutions to address the reduction in on-street parking capacity. This need has been identified as a priority since the 2009 Community Revitalization Partnership Report and was reinforced in the 2015 Downtown Strategic Plan. The proposed facility's location will provide safe pedestrian connections between Main Street and Running Creek Park while serving downtown businesses, supporting public events, and accommodating parking for historic properties that cannot meet current requirements due to their original lot configurations.

The project timing aligns with both identified downtown infrastructure needs and the Streetscape construction timeline. The facility will support businesses directly impacted by the Streetscape Project, including Antelope Alpacas and Fiber Arts Center, while providing necessary parking capacity for downtown events and daily business operations. The development incorporates dual access points from Main Street and Spruce Street, pedestrian connections, and public restrooms. This public-private

collaboration maximizes land use efficiency while preserving prime Main Street frontage for future development.

Staff has completed review of the application materials and received approvals from all required referral agencies. The proposal has successfully addressed all technical requirements and standards. The Planning Commission reviewed this proposal at their February 3, 2025 meeting and voted 4-1 to recommend approval.

Staff recommends the Board of Trustees approve Resolution 25R08, approving the minor development, and Resolution 25R09, approving the site plan for the Main Street Depot project.

Applicant Request:

The Town of Elizabeth, owner of 444 S Main Street, and Don and Linda Bulmer, owners of 392 S Main Street and associated back lots, request Board of Trustees approval for a minor development and site plan. The proposal would reconfigure the properties into three lots and develop a public parking facility with 116 spaces (111 standard, 5 ADA-accessible), public restrooms, and pedestrian connections to Main Street and Running Creek Park.

Proposal and Background Summary:

Downtown parking has been identified as a priority in Elizabeth since the 2009 Community Revitalization Partnership Report and was reinforced in the 2015 Downtown Strategic Plan. The majority of downtown's historic properties cannot meet current parking requirements due to their original lot configurations, and the existing fee-in-lieu system creates financial barriers to property improvements. These constraints have highlighted the need for a centralized public parking solution.

In late 2023, the Town acquired 444 S Main Street to develop public parking. The subsequent purchase of the adjacent Carriage Shoppes property by Don and Linda Bulmer created an opportunity to optimize the configuration of these connected properties. This collaboration enables preservation of Main Street frontage while addressing downtown parking needs.

The parking facility development aligns with the Main Street Streetscape Project, scheduled for completion in May 2025. The facility will provide necessary parking capacity to support existing downtown businesses, potential infill development along Main Street, and increasing attendance at community events. The design incorporates pedestrian connections to Main Street and Running Creek Park, public restrooms, and includes space for community events. This infrastructure investment addresses current parking demands while supporting downtown Elizabeth's role as a community destination.

Surrounding Zoning Districts:

North: DT, Downtown District

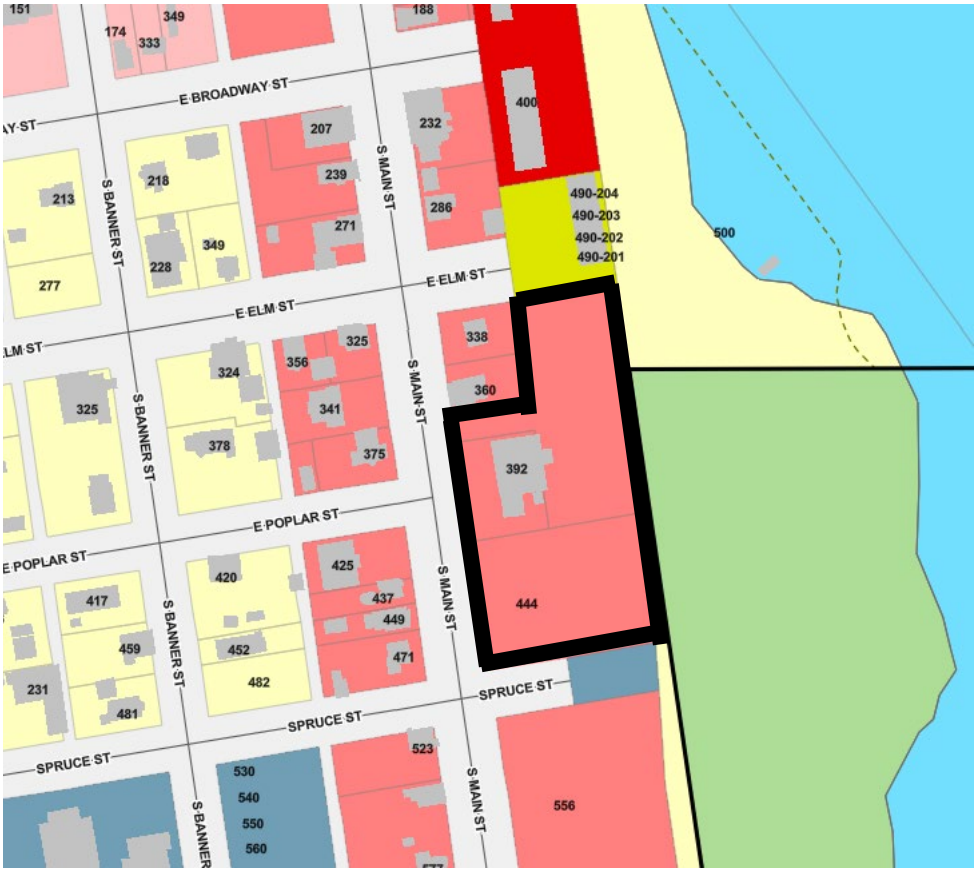
South: DT, Downtown District

East: DT, Downtown District / R-1, Single Family Residential District

West: DT, Downtown District

Subject Property: DT, Downtown District

General Project Location



Approval Criteria:

Minor Development:

The Land Use and Development code, Article III and Sec. 16-3-80, does not stipulate criteria for approval of a replat application; therefore, staff has established a set of criteria for the Planning Commission and Board of Trustees to consider when providing a recommendation to the Board of Trustees. The list of recommendations includes a review against all applicable standards as found in the EMC Land Use and Development code, and the Elizabeth Comprehensive Plan.

Site Plan:

Section 16-2-40 of the EMC includes criteria for the Planning Commission and Board of Trustees to consider for site plans in order to offer a favorable recommendation for approval to the Board of Trustees. This includes review against all applicable standards as found in the EMC Land Use and Development code, the Elizabeth Comprehensive Plan, and the Town of Elizabeth Design Guidelines.

Case Analysis

Staff finds that both the minor development and site plan display conformance with the applicable provisions of the EMC and the Elizabeth Comprehensive Plan. The applications were reviewed and referred to various agencies, with all comments successfully addressed.

Minor Development Analysis:

The proposed replat strategically reconfigures approximately 3 acres of downtown property into three lots that optimize both public and private interests. The configuration maintains existing commercial uses at the Carriage Shoppes, preserves valuable Main Street frontage for future development, and creates an appropriately sized lot for public parking infrastructure. This arrangement supports the Comprehensive Plan's goals for downtown vitality while making efficient use of land resources.

Site Plan Analysis:

The proposed public parking facility is a permitted use in the Downtown (DT) district. The following topics outline the specific analysis:

- Bulk Standards: The proposed restroom facility complies with all setback and height requirements of the DT District.
- Drainage: The drainage plan includes an extended detention basin and has been reviewed for compliance with Town standards.
- Floodplain: The floodplain has been considered in site design and appropriate measures have been incorporated.

- Traffic and Access: Site access is provided via two points: one from Main Street and one from Spruce Street. The access points have been designed to accommodate both daily traffic and event circulation.
- Parking: The site provides 116 total spaces, including 111 standard spaces and 5 ADA-accessible spaces, meeting Town standards for public parking facilities.
- Right-of-Way (ROW): Public sidewalk improvements are proposed along both street frontages to meet Town standards.
- Landscaping: The proposed landscape plan meets Town requirements.

The Old Town Circulation Study confirms both the need for and appropriate location of this facility. The development timing aligns with the Main Street Streetscape project, ensuring continuous parking availability for downtown businesses and events. The site design creates safe pedestrian routes to Running Creek Park and downtown businesses, addressing current safety concerns along Highway 86. Public amenities include restroom facilities and a location for community gatherings and events.

Elizabeth Comprehensive Plan:

The proposals implement several Comprehensive Plan goals:

- Supports Goal 2's emphasis on focusing improvements near the Town's core
- Enhances downtown infrastructure while preserving prime development parcels, consistent with Policy 1.1 promoting diverse commercial development
- Creates pedestrian connections that support Policy 3.3's emphasis on enhanced connectivity

Findings and Staff Recommendation:

Findings and Staff Recommendation:

Staff finds that both the minor development and site plan applications meet the applicable review criteria:

Findings:

1. The replat provides an efficient reconfiguration of lots that supports both public and private interests while maintaining compliance with the EMC.
2. The proposed layout preserves valuable Main Street frontage for future commercial development while creating appropriate lots for existing and planned uses.

3. The site plan meets all technical requirements including access, circulation, drainage, and landscaping.
4. The proposals align with Comprehensive Plan goals for downtown development and infrastructure.
5. The development timing coordinates with other downtown projects including the Main Street Streetscape improvements.
6. The project provides essential public infrastructure to support downtown businesses, events, and community gatherings with key elements: 116 spaces, ADA accessibility, dual access points, and pedestrian connections.

Staff Recommendation:

Based on the analysis above, staff finds that the proposed minor development and site plan for the Main Street Depot project meet all applicable criteria set forth in Chapter 16 of the Elizabeth Municipal Code. The Planning Commission recommended approval of both the minor development and site plan at their February 3, 2025 meeting with a vote of 4-1. Staff recommends the Board of Trustees approve Resolution 25R08, approving the minor development, and Resolution 25R09, approving the site plan for the Main Street Depot project.

ATTACHMENT(S)

Resolution 25R08

Resolution 25R09

Attachment A

Attachment B

Attachment C

RESOLUTION 25R08

A RESOLUTION APPROVING THE MINOR DEVELOPMENT PLAT FOR THE BULMER FILING NO. 1 SUBDIVISION

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF ELIZABETH, COLORADO AS FOLLOWS:

Section 1. The Minor Development Plat for the Bulmer Filing No. 1 Subdivision, attached hereto as **Exhibit A**, is hereby approved by the Board of Trustees pursuant to Section 16-3-70 of the Town of Elizabeth Municipal Code.

PASSED, APPROVED, and ADOPTED this ____ day of _____, 2025, by the Board of Trustees of the Town of Elizabeth, Colorado, on first and final reading, by a vote of _____ for and _____ against.

_____
Angela Ternus, Mayor

ATTEST

_____
Michelle M. Oeser, Town Clerk

EXHIBIT A

BULMER FILING NO. 1

A REPLAT OF LOTS 5 AND 6, BLOCK 3 AND LOTS 1–6, INCLUSIVE, BLOCK 13, AND
A PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.

PROPERTY DESCRIPTION

A PARCEL OF LAND BEING LOTS 5 AND 6, BLOCK 3 TOWN OF ELIZABETH, LOTS 1 THOUGH 6 INCLUSIVE BLOCK 13, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH, A PORTION OF THE COLORADO AND SOUTHERN RAILWAY RIGHT–OF–WAY AND VACATED POPLAR STREET, ALL IN THE TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO, LOCATED IN THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, SAID TOWN, COUNTY, AND STATE, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF SAID SECTION 18, WHENCE THE NORTH LINE OF SAID NORTHEAST QUARTER BEARS NORTH 89°12'42" EAST, A DISTANCE OF 2642.37 FEET, ALL BEARINGS HEREIN ARE REFERENCED THERETO;

THENCE ALONG SAID NORTH LINE, NORTH 89°12'42" EAST, A DISTANCE OF 1140.98 FEET;

THENCE DEPARTING SAID NORTH LINE, SOUTH 00°47'18" EAST, A DISTANCE OF 572.03 FEET TO THE NORTHEAST CORNER OF LOT 1, BLOCK 3 AS SHOWN ON SAID TOWN OF ELIZABETH AND THE POINT OF BEGINNING;

THENCE NORTH 80°23'06" EAST, A DISTANCE OF 130.14 FEET TO THE EASTERLY LINE OF THE PARCEL OF LAND DESCRIBED IN THE DEED RECORDED IN BOOK 22 AT PAGE 123, IN THE OFFICIAL RECORDS OF SAID COUNTY;

THENCE ALONG SAID EASTERLY LIEN THE FOLLOWING 3 COURSES;

1. SOUTH 09°26'52" EAST, A DISTANCE OF 237.96 FEET;

2. SOUTH 05°06'01" EAST, A DISTANCE OF 53.08 FEET;

3. SOUTH 05°09'41" EAST, A DISTANCE OF 167.82 FEET TO THE EASTERLY PROLONGATION OF THE SOUTHERLY LINE OF SAID LOT 6, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH;

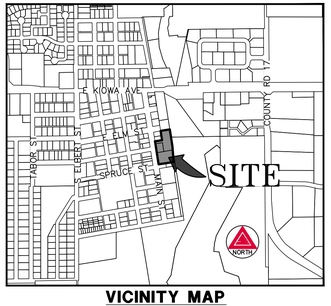
THENCE ALONG SAID EASTERLY PROLONGATION AND SAID SOUTHERLY LINE, SOUTH 80°30'04" WEST, A DISTANCE OF 213.19 FEET TO THE SOUTHWEST CORNER OF SAID BLOCK 13;

THENCE ALONG THE WESTERLY LINE OF SAID LOTS 1–6, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH, THE WESTERLY LINE OF SAID VACATED POPLAR STREET AND THE WESTERLY LINE OF SAID LOTS 5 AND 6, TOWN OF ELIZABETH, NORTH 09°27'48" WEST, A DISTANCE OF 326.06 FEET TO THE SOUTHWEST CORNER OF LOT 4, BLOCK 3, TOWN OF ELIZABETH;

THENCE ALONG THE SOUTHERLY LINE OF SAID LOT 4, NORTH 80°34'41" EAST, A DISTANCE OF 99.83 FEET TO THE SOUTHEAST CORNER OF SAID LOT 4, BLOCK 3;

THENCE ALONG THE EASTERLY LINE OF SAID BLOCK 3, NORTH 09°30'20" WEST, A DISTANCE OF 132.04 FEET TO THE POINT OF BEGINNING;

CONTAINING AN AREA OF 2.072 ACRES, (90,267 SQUARE FEET), MORE OR LESS.



VICINITY MAP
SCALE 1" = 1000'

TITLE VERIFICATION

I/WE_____,

OF_____ DO HEREBY CERTIFY THAT I/WE HAVE EXAMINED THE TITLE OF ALL LAND PLATTED HEREON AND THAT TITLE O SUCH LAND IS IN DEDICATOR(S) FREE AND CLEAR OF ALL LIENS, TAXES AND ENCUMBRANCES, EXCEPT AS FOLLOWS:

_____
(NOTARIZED SIGNATURE)

_____ _____
DATE COMPANY NAME

OWNERSHIP AND DEDICATION STATEMENT

THE UNDERSIGNED, BEING ALL THE OWNERS, MORTGAGEES, BENEFICIARIES OF DEEDS OF TRUST AND HOLDERS OF OTHER INTERESTS OF THE LANDS DESCRIBED HEREIN, HAVE LAID OUT, SUBDIVIDED AND PLATTED SAID LANDS INTO LOTS, TRACTS AND EASEMENTS AS SHOWN HEREON UNDER THE NAME AND STYLE OF BULMER FILING NO. 1. THE UTILITY EASEMENTS AS SHOWN HEREON ARE HEREBY DEDICATED FOR PUBLIC UTILITIES AND CABLE COMMUNICATION SYSTEMS AND OTHER PURPOSES AS SHOWN HEREON. THE ENTITIES RESPONSIBLE FOR PROVIDING THE SERVICES FOR WHICH THE EASEMENTS ARE ESTABLISHED ARE HEREBY GRANTED THE PERPETUAL RIGHT OF INGRESS AND EGRESS FROM AND TO ADJACENT PROPERTIES FOR INSTALLATION, MAINTENANCE AND REPLACEMENT OF UTILITY LINES AND RELATED FACILITIES. ALL STREETS AND RIGHTS OF WAY, SHOWN HEREON ARE DEDICATED AND CONVEYED TO THE TOWN OF ELIZABETH, COLORADO, IN FEE SIMPLE ABSOLUTE, FOR PUBLIC USES AND PURPOSES.

_____
SIGNATURE

_____
(OWNER)

BY: _____

TITLE: _____

ATTEST
SECRETARY _____
SIGNATURE

SUBSCRIBED AND SWORN TO BEFORE ME THIS _____ DAY OF _____, 20_____

BY _____

WITNESS MY HAND AN OFFICIAL SEAL

_____
NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

PLANNING COMMISSION

THIS FINAL PLATT WAS REVIEWED BY THE ELBERT COUNTY PLANNING COMMISSION ON THE

_____ DAY OF _____, 20_____, A.D.

_____
CHAIR, PLANNING COMMISSION

GENERAL NOTES

1. THE FIELD WORK FOR THIS SURVEY WAS PERFORMED BY AN AZTEC CONSULTANTS, INC. SURVEY CREW AND COMPLETED ON JULY 16, 2024
2. PER C.R.S. 38–51–106, "ALL LINEAL UNITS DEPICTED ON THIS LAND SURVEY PLAT ARE U.S. SURVEY FEET. ONE METER EQUALS 39.37/12 U.S. SURVEY FEET, EXACTLY ACCORDING TO THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY."
3. THE SURVEYED PARCEL CONTAINS A TOTAL OF 2.072 ACRES OR 90,267 SQUARE FEET, MORE OR LESS.
4. _____ TITLE GUARANTEE COMPANY TITLE COMMITMENT ORDER NO. _____ WITH AN EFFECTIVE DATE OF _____ __, 2024 AT 5:00 P.M. WAS RELIED UPON FOR RECORD INFORMATION REGARDING EASEMENT(S) AND ENCUMBRANCES(S). THIS SURVEY DOES NOT REPRESENT A TITLE SEARCH BY AZTEC CONSULTANTS, INC. TO DETERMINE OWNERSHIP, RIGHT(S)–OF–WAY, EASEMENT(S), OR OTHER MATTERS OF PUBLIC RECORD.
5. ANY PERSON WHO KNOWINGLY REMOVES, ALTERS OR DEFACES ANY PUBLIC LAND SURVEY MONUMENT OR ACCESSORY COMMITS A CLASS TWO (2) MISDEMEANOR PURSUANT TO STATE STATUTE 18–4–508, C.R.S.
6. THE SURVEYED PROPERTY SHOWN HEREIN LIES WITHIN OTHER AREAS–ZONE X, AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP INDEX NO. 08039C0480C, MAP REVISED MARCH 17, 2011.
7. NO LOT WITHIN THIS SUBDIVISION SHALL BE BUILT UPON OR ANY IMPROVEMENTS CONSTRUCTED WITHIN A LOT, UNTIL A SITE PLAN IS REVIEWED AND APPROVED BY THE TOWN OF ELIZABETH.

BOARD OF TRUSTEES

THIS PLAT WAS APPROVED BY THE BOARD OF TRUSTEES OF THE TOWN OF ELIZABETH, COLORADO ON THE _____ DAY OF _____, 20_____, FOR FILING. THE DEDICATIONS ARE HERY ACCEPTED.

ALL EXPENSES INCURRED WITH RESPECT TO IMPROVEMENTS FOR ALL UTILITY SERVICES, PAVING, GRADING, CURBS, GUTTER, SIDEWALKS, ROAD LIGHTING, ROAD SIGNS, FLOOD PROTECTION DEVICES, DRAINAGE STRUCTURES AND ALL OTHER IMPROVEMENTS THAT MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER AND NOT THE TOWN OF ELIZABETH. THE TOWN SHALL ONLY ACCEPT MAINTENANCE OF THE ROADWAY IMPROVEMENTS AFTER CONSTRUCTION HAS BEEN COMPLETED, AND AFTER THE WARRANTY PERIOD, IN ACCORDANCE WITH TOWN REGULATIONS.

THIS ACCEPTANCE DOES NOT GUARANTEE THAT THE SOIL CONDITIONS, SUBSURFACE, GEOLOGY, GROUNDWATER CONDITIONS OF FLOODING CONDITIONS OF ANY LOT SHOWN HEREON ARE SUCH THAT A BUILDING PERMIT WILL BE ISSUED.

_____
MAYOR, TOWN OF ELIZABETH

ATTEST:
TOWN CLERK _____
SIGNATURE

SURVEYOR'S CERTIFICATION

I, MICHAEL J. NOFFSINGER, A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THIS PLAT TRULY AND CORRECTLY REPRESENTS THE RESULTS OF A SURVEY MADE ON _____ _____, 2024, BY ME OR UNDER MY DIRECT SUPERVISION AND THAT ALL MONUMENTS EXIST AS SHOWN HEREON; THAT MATHEMATICAL CLOSURE ERRORS ARE LESS THAN 1:50,000 (SECOND ORDER); AND THAT SAID PLAT HAS BEEN PREPARED IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS OF THE STATE OF COLORADO DEALING WITH MONUMENTS, SUBDIVISIONS OR SURVEYING OF LAND AND ALL PROVISIONS, WITHIN MY CONTROL, OF THE TOWN SUBDIVISION REGULATIONS.

I ATTEST THE ABOVE ON THIS_____ DAY OF _____, 20_____.

FOR REVIEW
DO NOT RECORD

_____
COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR

_____
PRINTED NAME

ELBERT COUNTY CLERK AND RECORDER'S CERTIFICATE

THIS PLAT WAS FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK AND RECORDER OF ELBERT COUNTY AT _____M. ON THE _____ DAY OF _____, 20__,

RECEPTION NO._____.

ELBERT COUNTY CLERK AND RECORDER

BY: _____
DEPUTY

AzTEC CONSULTANTS, INC.
300 East Mineral Ave., Suite 1
Littleton, Colorado 80122
Phone: (303) 713-1898
Fax: (303) 713-1897
www.aztecconsultants.com

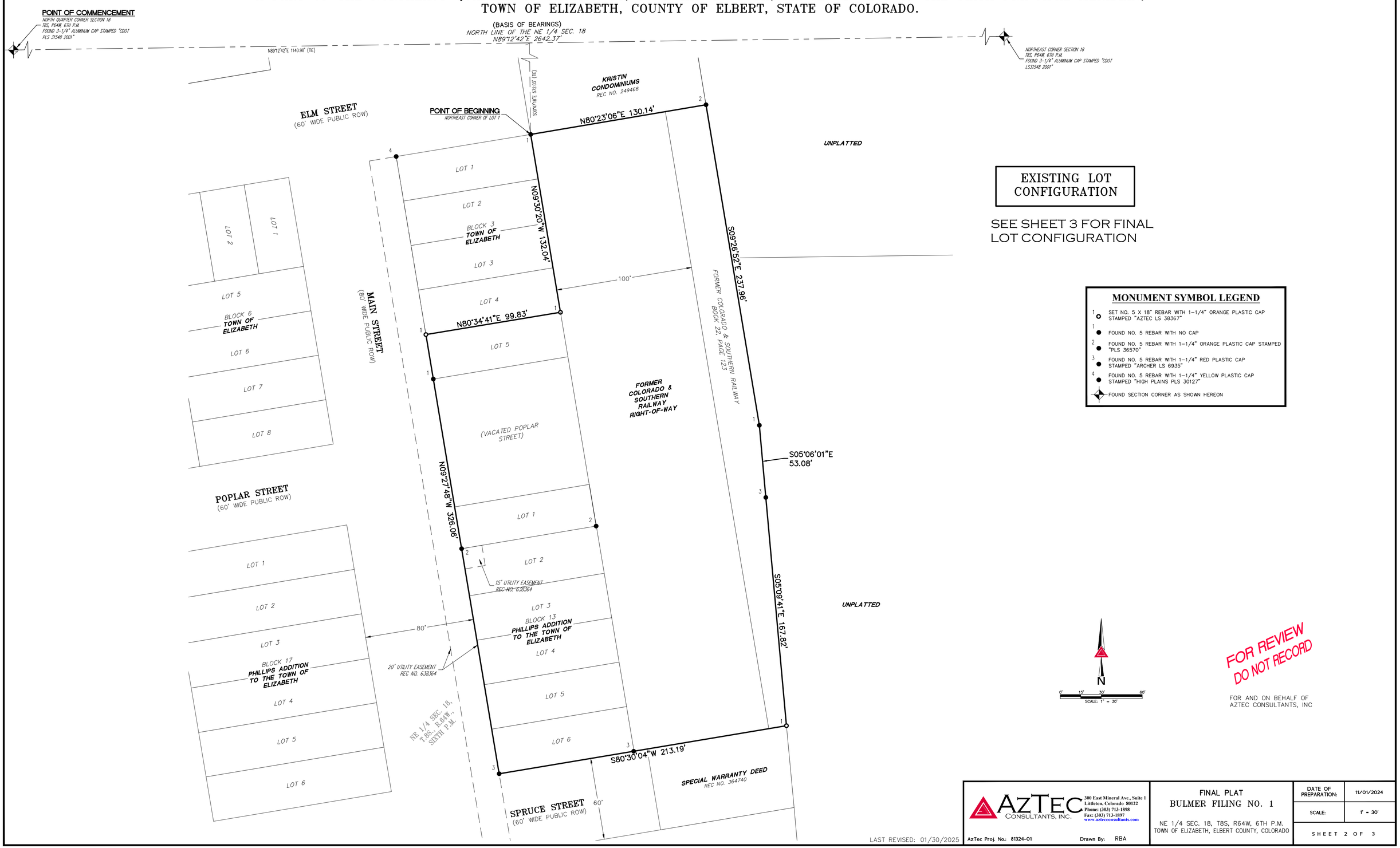
AzTec Proj. No.: 81324-01 Drawn By: RBA

FINAL PLAT
BULMER FILING NO. 1
NE 1/4 SEC. 18, T8S, R64W, 6TH P.M.
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO

DATE OF PREPARATION:	11/01/2024
SCALE:	N/A
SHEET 1 OF 3	

BULMER FILING NO. 1

A REPLAT OF LOTS 5 AND 6, BLOCK 3 AND LOTS 1–6, INCLUSIVE, BLOCK 13, AND
A PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.



EXISTING LOT CONFIGURATION

SEE SHEET 3 FOR FINAL LOT CONFIGURATION

MONUMENT SYMBOL LEGEND

- SET NO. 5 X 18" REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "AZTEC LS 38367"
- FOUND NO. 5 REBAR WITH NO CAP
- FOUND NO. 5 REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "PLS 36570"
- FOUND NO. 5 REBAR WITH 1-1/4" RED PLASTIC CAP STAMPED "ARCHER LS 6935"
- FOUND NO. 5 REBAR WITH 1-1/4" YELLOW PLASTIC CAP STAMPED "HIGH PLAINS PLS 30127"
- FOUND SECTION CORNER AS SHOWN HEREON

N

0' 15' 30' 60'
SCALE: 1" = 30'

FOR REVIEW
DO NOT RECORD

FOR AND ON BEHALF OF
AZTEC CONSULTANTS, INC

LAST REVISED: 01/30/2025

AZTEC CONSULTANTS, INC.
300 East Mineral Ave., Suite 1
Littleton, Colorado 80122
Phone: (303) 713-1898
Fax: (303) 713-1897
www.aztecconsultants.com

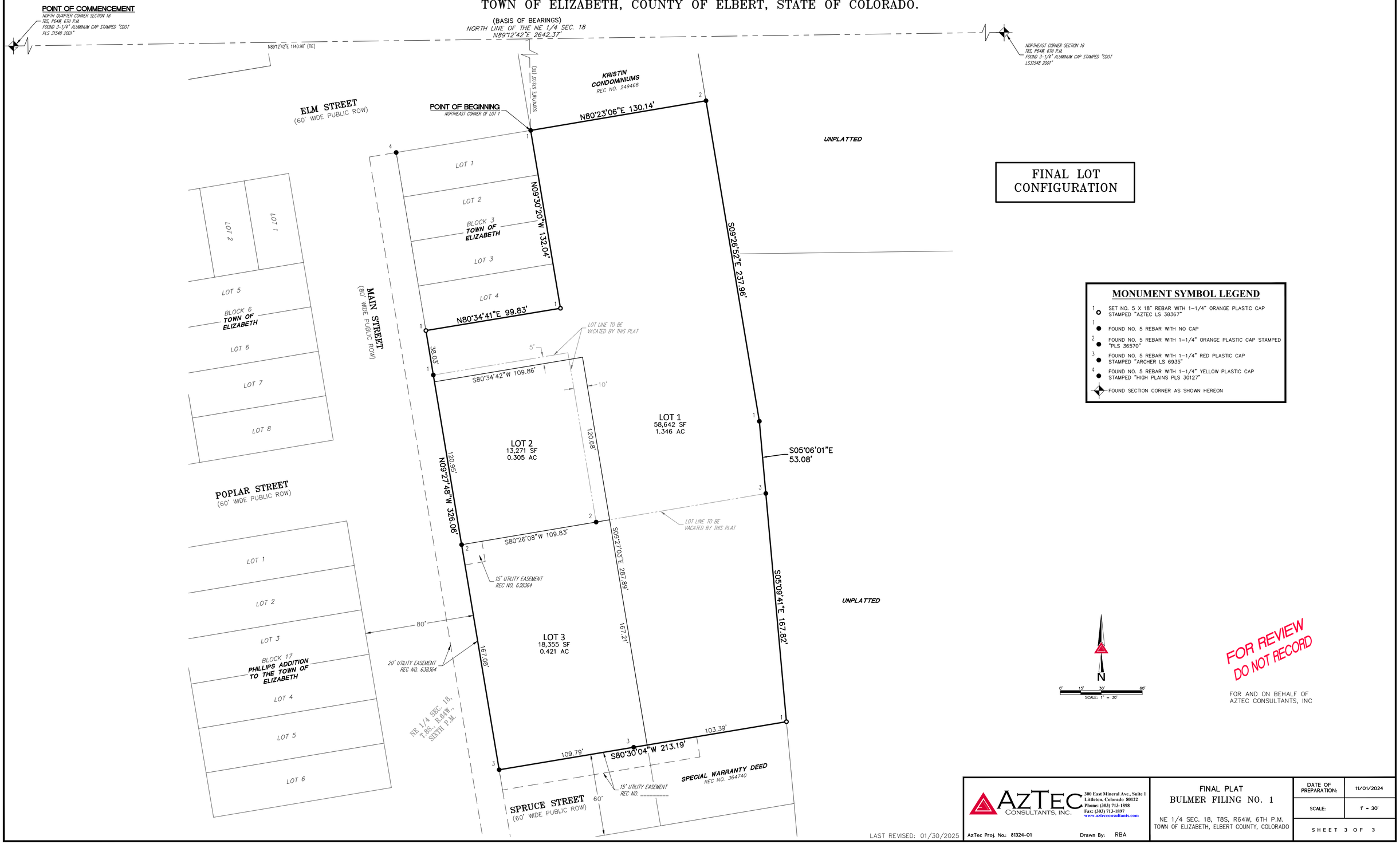
AzTec Proj. No: 81324-01 Drawn By: RBA

FINAL PLAT
BULMER FILING NO. 1
NE 1/4 SEC. 18, T8S, R64W, 6TH P.M.
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO

DATE OF PREPARATION:	11/01/2024
SCALE:	1" = 30'
SHEET 2 OF 3	

BULMER FILING NO. 1

A REPLAT OF LOTS 5 AND 6, BLOCK 3 AND LOTS 1–6, INCLUSIVE, BLOCK 13, AND
A PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.



FINAL LOT CONFIGURATION

MONUMENT SYMBOL LEGEND

- 1 ○ SET NO. 5 X 18" REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "AZTEC LS 38367"
- 1 ● FOUND NO. 5 REBAR WITH NO CAP
- 2 ● FOUND NO. 5 REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "PLS 36570"
- 3 ● FOUND NO. 5 REBAR WITH 1-1/4" RED PLASTIC CAP STAMPED "ARCHER LS 6935"
- 4 ● FOUND NO. 5 REBAR WITH 1-1/4" YELLOW PLASTIC CAP STAMPED "HIGH PLAINS PLS 30127"
- FOUND SECTION CORNER AS SHOWN HEREON

N

0' 15' 30' 60'
SCALE: 1" = 30'

FOR REVIEW
DO NOT RECORD

FOR AND ON BEHALF OF
AZTEC CONSULTANTS, INC

LAST REVISED: 01/30/2025

AZTEC CONSULTANTS, INC.
300 East Mineral Ave., Suite 1
Littleton, Colorado 80122
Phone: (303) 713-1898
Fax: (303) 713-1897
www.aztecconsultants.com

AzTec Proj. No.: 81324-01 Drawn By: RBA

FINAL PLAT
BULMER FILING NO. 1
NE 1/4 SEC. 18, T8S, R64W, 6TH P.M.
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO

DATE OF PREPARATION:	11/01/2024
SCALE:	1" = 30'
SHEET 3 OF 3	

RESOLUTION 25R09

A RESOLUTION APPROVING THE SITE DEVELOPMENT PLAN FOR THE MAIN STREET OFF-STREET PARKING LOT

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF ELIZABETH, COLORADO AS FOLLOWS:

Section 1. The Site Development Plan for the Main Street Off-Street Parking Lot, attached hereto as **Exhibit A**, is hereby approved pursuant to Section 16-2-40 of the Town of Eliabeth Municipal Code.

PASSED, APPROVED, and ADOPTED this ____ day of _____, 2025, by the Board of Trustees of the Town of Elizabeth, Colorado, on first and final reading, by a vote of _____ for and _____ against.

_____
Angela Ternus, Mayor

ATTEST

_____
Michelle M. Oeser, Town Clerk

EXHIBIT A

MAIN STREET OFF-STREET PARKING LOT

LOTS 2-6 OF BLOCK 13
WITHIN THE NE QUARTER OF SECTION 18, T8S, R64W, 6TH P.M.,
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO

OWNER

TOWN OF ELIZABETH
151 S BANNER ST
P.O. BOX 159
ELIZABETH, CO 80107
CONTACT: ZACH HIGGINS
ZHIGGINS@TOWNOFELIZABETH.ORG

ENGINEER

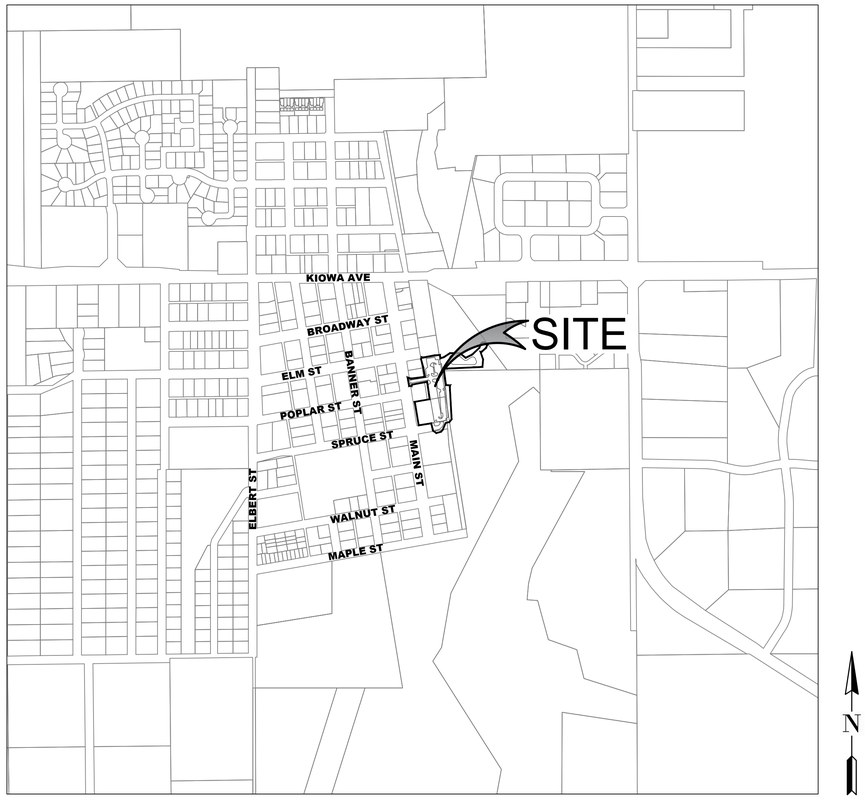
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UTILITY PROVIDERS

CORE ELECTRIC
168 CTC BLVD SUITE A
LOUISVILLE, CO 80027
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VICINITY MAP

0 1000' 2000'
1 inch = 1000'

SHEET INDEX

NO	SHEET TITLE
1	COVER SHEET
2	GENERAL NOTES
3	EXISTING SITE & DEMO PLAN
4	OVERALL SITE PLAN
5	OVERALL UTILITY PLAN
6	OVERALL GRADING PLAN
7	HORIZONTAL CONTROL & GRADING PLAN (1 OF 4)
8	HORIZONTAL CONTROL & GRADING PLAN (2 OF 4)
9	HORIZONTAL CONTROL & GRADING PLAN (3 OF 4)
10	HORIZONTAL CONTROL & GRADING PLAN (4 OF 4)
11	STORM P&P - STORM F
12	STORM - POND F
13	STORM - OUTLET STRUCTURE - POND F
14	SANITARY P&P - RESTROOM SANITARY SERVICE
15	WATER P&P - RESTROOM WATER SERVICE
16	GESC - INITIAL PLAN
17	GESC - INITIAL PLAN
18	GESC - INTERIM PLAN
19	GESC - INTERIM PLAN
20	GESC - FINAL PLAN
21	GESC - FINAL PLAN
22	DETAILS
23	DETAILS
24	DETAILS
25	DETAILS
26	DETAILS
27	DETAILS
28	DETAILS
29	DETAILS
30	DETAILS
31	DETAILS

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED UPON THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, ASSUMED TO BEAR SOUTH 89°12'42" WEST, A DISTANCE OF 2642.37 FEET.

BENCHMARK

PROJECT BENCHMARK (AZTEC #400):
PROJECT BENCHMARK IS A NGS MONUMENT DESIGNATION H 53 (POINT ID KK0312). SAID MONUMENT IS AN NGS STANDARD DISK SET ON THE TOP OF A CONCRETE PORCH, STAMPED "H 53 1934." MONUMENT IS LOCATED ON 188 S. MAIN ST., NORTH EAST SIDE OF THE FORMER BANK, 4 FT EAST OF THE CENTERLINE OF SIDEWALK AND 5 INCHES NORTH OF A BRICK PILLAR.
NGS PUBLISHED ELEVATION = 6451.58 FT (NAVD 88)

PROFESSIONAL ENGINEER CERTIFICATION

THESE CONSTRUCTION PLANS FOR THE MAIN STREET OFF-STREET PARKING LOT WERE PREPARED BY ME (OR UNDER MY DIRECT SUPERVISION) IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF ELIZABETH DESIGN REVIEW STANDARDS AND GUIDELINES, WATER AND SEWER STANDARDS, STORM DRAINAGE DESIGN AND TECHNICAL CRITERIA, AND THE GRADING, EROSION AND SEDIMENT CONTROL MANUAL.

MARTIN METSKER, PE #41743 DATE
TERRACINA DESIGN
10200 E. GIRARD AVE., SUITE A-314
DENVER, CO 80231
PHONE (303) 632-8867 EXT.110

THESE DESIGNS, PLANS, AND CONTRACT DOCUMENTS ARE REVIEWED FOR CONCEPT AND GENERAL CONFORMANCE TO THE TOWN'S MINIMUM STANDARDS ONLY, AND THE PRIMARY RESPONSIBILITY FOR DESIGN ADEQUACY IS TO REMAIN WITH THE ENGINEER OF RECORD. THIS REVIEW DOES NOT IMPLY RESPONSIBILITY BY THE TOWN OF ELIZABETH, OR THE TOWN ENGINEER FOR COMPLETENESS, ACCURACY OR CORRECTNESS OF CALCULATION. THE REVIEW DOES NOT IMPLY THAT QUANTITIES OF ITEMS INDICATED ON THE PLANS ARE THE FINAL QUANTITIES REQUIRED. THE REVIEW SHALL NOT BE CONSTRUED FOR ANY REASON AS ACCEPTANCE OF FINANCIAL RESPONSIBILITY BY THE TOWN FOR ADDITIONAL ITEMS AND ADDITIONAL QUANTITIES OF ITEMS SHOWN THAT MAY BE REQUIRED DURING THE CONSTRUCTION PHASE.

APPROVED FOR CONSTRUCTION WITHIN ONE YEAR OF THE EARLIEST OF THESE DATES:

BY: _____
TOWN ENGINEER DATE

BY _____
TOWN OF ELIZABETH-PUBLIC WORKS DIRECTOR DATE

BY _____
TOWN OF ELIZABETH-TOWN ADMINISTRATOR DATE

BY _____
ELIZABETH FIRE DEPARTMENT DATE

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
COVER SHEET

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

SHEET 1 OF 31

1/30/2025 11:23 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS COVER DWG 1

GENERAL NOTES:

1. UNLESS OTHERWISE MODIFIED HEREIN, ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH BY THE GOVERNING MUNICIPALITY, DISTRICT, AGENCY OR ENTITY. IF THE GOVERNING MUNICIPALITY, DISTRICT, AGENCY OR ENTITY DOES NOT HAVE A STANDARD, AN APPLICABLE STANDARD FROM THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT)STANDARDS (M &S STANDARDS, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION) SHALL BE ADHERED TO. FURTHER ALL OTHER APPLICABLE STATE AND FEDERAL REGULATIONS ARE TO BE FOLLOWED. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS OR REGULATIONS, THE MOST RESTRICTIVE STANDARD SHALL APPLY.
2. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
3. EXISTING UTILITIES SHOWN ON THIS PLAN ARE BASED UPON THE BEST INFORMATION AVAILABLE AS SUPPLIED BY SURFACE EVIDENCE AND UTILITY COMPANY MAPS. UTILITIES THAT EXIST MAY NOT BE SHOWN HEREIN. THE SIZE, LOCATION, TYPE AND NUMBER OF UTILITY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND NOTIFICATION OF ANY DISCREPANCY SHALL BE MADE TO THE OWNER AND ENGINEER BEFORE ANY OTHER WORK IS PERFORMED.
4. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO(UNCC) AT 811, AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING EXCAVATION OR GRADING,TO HAVE ALL REGISTERED UTILITY LOCATIONS MARKED. OTHER UNREGISTERED UTILITY ENTITIES (I.E. DITCH / IRRIGATION COMPANY) ARE TO BE LOCATED BY CONTACTING THERE SPECTIVE REPRESENTATIVE. UTILITY SERVICE LATERALS ARE ALSO TO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY FOR ANY UTILITY CROSSINGS REQUIRED.
6. 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.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF JOB SITE SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
8. 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.
9. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE DEVELOPER SHALL CONTACT THE DESIGNER AND THE LOCAL ENTITY ENGINEER IMMEDIATELY.
10. THE CONTRACTOR SHALL REFER TO AN APPROVED GEOTECHNICAL STUDY FOR ADDITIONAL INFORMATION PERTAINING TO THE SITE CONSTRUCTION, MATERIALS AND PAVEMENTS.
11. CONTRACTOR SHALL REFER TO THE APPROVED EROSION CONTROL MANAGEMENT PLAN FOR IMPLEMENTATION OF BEST MANAGEMENT PRACTICES TO MINIMIZE OR ELIMINATE EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.

GRADING NOTES:

1. REFER TO THE ROADWAY PLANS FOR GRADING AND CONSTRUCTION DETAIL IN THE PUBLIC RIGHT OF WAY.
2. REFER TO APPROVED GEOTECHNICAL REPORT FOR ADDITIONAL CONSTRUCTION AND GRADING REQUIREMENTS.
3. STOCKPILE ONSITE TOPSOIL FOR REUSE ONSITE. LOCATIONS OF TOPSOIL REUSE SHALL BE IN LANDSCAPE AREAS, OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
4. WOOD FRAMING MEMBERS, INCLUDING WOOD SHEATHING, THAT ARE IN CONTACT WITH EXTERIOR FOUNDATION WALLS AND ARE LESS THAN EIGHT (8) INCHES FROM EXPOSED EARTH SHALL BE OF NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.
5. FOR ALL AREAS ADJACENT TO STRUCTURES THAT ARE HARD SURFACE, THE FINAL FINISH GRADE SHALL FALL AWAY FROM THE BUILDING AT A GRADE OF 1.8% (MIN) FOR PEDESTRIAN PATHS OR 3% FOR NON-PEDESTRIAN AREAS.
6. FOR ALL AREAS ADJACENT TO STRUCTURES THAT ARE NOT HARD SURFACE, THE FINAL FINISH GRADE SHALL FALL AWAY FROM THE BUILDING AT A GRADE OF 10% (MIN) FOR 10-FT (MIN.), UNLESS MODIFIED BY AN APPROVED GEOTECHNICAL STUDY.
7. STEPS AND GRADES SHOWN INSIDE BUILDING ENVELOPES AND GARAGES ARE FOR INFORMATION ONLY. REFER TO ARCHITECTURAL PLANS FOR CONSTRUCTION DETAILS.
8. REFER TO THE ARCHITECTURAL AND/OR STRUCTURAL PLANS FOR THE LOCATION AND EXTENT OF FOUNDATION STEM WALLS AND/ OR EXPOSED FOUNDATION.
9. REFER TO THE LANDSCAPE PLANS FOR RETAINING WALL MATERIALS AND CONSTRUCTION DETAILS.
10. SPOT ELEVATIONS TAKE PRECEDENCE OVER CONTOURS.
11. SPOT ELEVATIONS ARE FLOWLINE OR FINISH GRADE UNLESS OTHERWISE INDICATED.
12. SIDEWALKS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF FIVE PERCENT (5%).
13. RAMP AND SIDEWALK CROSS-SLOPES SHALL NOT EXCEED 2%.
14. RAMPS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 12:1 (8.33%) AND SHALL NOT EXCEED THIRTY FEET IN LENGTH OR THIRTY INCHES IN HEIGHT, WITHOUT INTERMEDIATE LANDINGS.
15. RAMPS, EXCEPT CURB RAMPS, SHALL HAVE HAND RAILS ON BOTH SIDES.
16. ALL SITE STEP TREADS ARE 11-INCHES DEEP UNLESS OTHERWISE NOTED.
17. STAIRWAY AND RAMP LANDINGS SHALL HAVE A MAXIMUM SLOPE, IN ANY DIRECTION, OF TWO PERCENT AND SHALL NOT BE LESS THAN THE WIDTH OF THE STAIRS AND 5-FT LONG, UNLESS OTHERWISE INDICATED ON THE PLAN.
18. ALL RAMPS AND STAIRS SHALL BE CONSTRUCTED, INCLUDING THE USE OF RAILINGS, IN ACCORDANCE WITH APPLICABLE ADA (ADAAG), FAIR HOUSING STANDARDS, AND BUILDING CODE STANDARDS.
19. EDGE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE CODES AT ALL LOCATIONS WHICH REQUIRE HANDRAILS.
20. RE: LANDSCAPE PLANS AND/OR ARCHITECTURAL PLANS FOR HANDRAIL DETAIL.
21. RETAINING WALL ELEVATIONS ARE SHOWN TO THE EXPOSED FACE OF WALL AT THE TOE AND THE TOP OF WALL.
22. RETAINING WALLS ARE TO BE DESIGNED BY OTHERS.
23. THE CONTRACTOR SHALL REVIEW ALL ELEVATIONS WITH THEIR SURVEYOR PRIOR TO STAKING AND CONSTRUCTION OF THE BUILDINGS.
24. REFER TO LANDSCAPE PLANS FOR PLANTER DESIGN INCLUDING HEIGHT ABOVE FINISH GRADE.
25. ALL ROOF DOWNSPOUTS MUST CONNECT TO THE ROOF DRAIN PIPING SYSTEM OR DOWNSPOUTS THAT DISCHARGE TO THE SURFACE SHALL SPILL ONTO THE SPLASH BLOCKS THAT EXTEND A MINIMUM OF FIVE (5) FEET AWAY FROM THE FOUNDATION.

PAVING, SIGNING & STRIPING NOTES:

1. PAVING OF PUBLIC STREETS AND SIDEWALKS SHALL BE IN ACCORDANCE WITH THE GOVERNING AGENCY CRITERIA.
2. ALL ONSITE CURB AND GUTTER IS 6-IN VERTICAL WITH 1-FT SPILL PAN UNLESS OTHERWISE INDICATED.
3. ON SITE SIDEWALK SHALL BE 4-IN THICK MIN. AND 6-IN THICK (MIN) IF IT CROSSES A DRIVING SURFACE).
4. CONCRETE PAVING JOINTS SHALL BE IN CONFORMANCE WITH GOVERNING AGENCY ROADWAY STANDARDS OR, IN THE ABSENCE OF A STANDARD, THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) M & S STANDARDS, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
5. UNLESS SPECIFICALLY DETAILED ON THESE PLANS AND REFERENCED TO AN APPROVED GEOTECHNICAL STUDY, THESE PLANS DO NOT DETAIL THE REQUIRED PAVING SECTIONS.
6. SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH CDOT CRITERIA AND COMPACTED TO 95% OPTIMUM DENSITY IN ACCORDANCE WITH AASHTO T-99, UNLESS FURTHER RESTRICTED BY THE APPROVED PAVING DESIGN.
7. ALL PAVEMENT IS ASPHALT UNLESS OTHERWISE INDICATED. NO CONTRACTION OR EXPANSION JOINTS SHALL BE LOCATED WITHIN TWELVE INCHES (LONGITUDINALLY) OF THE FLOWLINE.
8. CONCRETE FOR DRIVING SURFACES SHALL BE CDOT CLASS P UNLESS OTHERWISE INDICATED OR APPROVED BY THE ENGINEER.
9. TOOLED OR SAWED CONTRACTION JOINTS AT 8-FT ON CENTER (MAX) OR AS SHOWN ON PLAN.
10. ALL CONCRETE JOINTS PER CDOT STANDARDS.
11. ALL EXPANSION JOINTS SHALL BE SEALED PER CDOT STANDARDS.
12. ALL NEW OR RELOCATED STREET/TRAFFIC SIGNS SHALL BE INSTALLED PER CURRENT GOVERNING MUNICIPALITY STANDARDS.
13. SIGNAGE AND STRIPING SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS. IN THE ABSENCE OF A STANDARD IT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION.
14. STRIPING OUTSIDE OF THE RIGHT-OF-WAY SHALL BE EPOXY PAINT. SYMBOLS SHALL BE METHYL METHACRYLATE, HOT APPLIED THERMOPLASTIC (90 MIL), PREFORMED PLASTIC (90 MIL) OR INLAYED TAPE (STAMARK), OR APPROVED EQUAL.

DEMOLITION NOTES:

1. THE WORK GENERALLY INCLUDES REMOVAL/DEMOLITION OF INDICATED EXISTING SURFACE FEATURES (I.E. STRUCTURES, CURB, GUTTER, DRAINAGE STRUCTURES, ASPHALT, LIGHTS, VEGETATION, ETC.) AND UNDERGROUND UTILITIES (I.E. ELECTRIC LINES, GAS LINES, FIBER OPTIC LINES, DRAINAGE LINES, ETC), WITHIN THE PROPERTY BOUNDARY. NO WORK UNLESS SPECIFICALLY NOTED SHALL BE OUTSIDE OF THE SUBJECT PROPERTY. SEE PLANS FOR LIMITS OF REMOVAL/ DEMOLITION.
2. LIMITS OF REMOVAL SHOWN ARE APPROXIMATE.
3. CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS INCLUDING SITE SAFETY FOR ALL ASPECTS OF DEMOLITION INCLUDING OPERATION WITHIN THE REGULATIONS OF GOVERNING AGENCIES.
4. ALL UNDERGROUND STORM SEWER, WATER, SANITARY SEWER, GAS, ELECTRIC, OTHER UTILITY LOCATIONS, AND EXISTING SITE APPURTENANCES ARE BASED ON THE ALTA SURVEY PREPARED FOR THE SITE AND ARE TO BE CONSIDERED APPROXIMATE ONLY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
5. ALL ITEMS NOTED AS "REMOVE" SHALL BE DEMOLISHED/REMOVED FROM THE SITE. ALL ITEMS NOTED "VERIFY/REMOVE" SHALL BE REMOVED ONLY AFTER VERIFICATION THAT THE UTILITY IS NO LONGER NEEDED TO PROVIDE SERVICE TO ANY ADJACENT PROPERTIES OR USERS. COORDINATE WITH LOCAL UTILITY PROVIDER. ALL ITEMS NOTED FOR REUSE SHALL BE REPLACED AS DIRECTED. HOWEVER, THE GOVERNING AGENCY (IN THE INSTANCE OF PUBLIC INFRASTRUCTURE) OR THE ENGINEER SHALL DETERMINE IF THE ITEM IS IN ADEQUATE CONDITION TO BE REUSED.
6. ITEMS TO BE REUSED SHALL BE REMOVED AND SAFELY STORED AS NECESSARY PRIOR TO REPLACEMENT.
7. UNLESS SPECIFICALLY DIRECTED, THE CONTRACTOR SHALL DISPOSE OF CONCRETE, ASPHALT RUBBLE AND ANY OTHER DEMOLISHED/ REMOVED MATERIALS OFFSITE.
8. CONTRACTOR SHALL DISPOSE OF AND TRANSPORT DEBRIS TO OFFSITE IN A SAFE AND LEGAL MANNER AND SHALL NOT STORE OR BURN MATERIALS ONSITE. CONTRACTOR SHALL HANDLE AND DISPOSE OF ALL DEBRIS IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. DISPOSAL SHALL BE TRANSPORTED TO AN APPROVED LANDFILL OR OTHER APPROVED FACILITY.
9. CONCRETE SHALL BE REMOVED TO THE NEAREST JOINT.
10. THE CONTRACTOR SHALL VERIFY ALL UTILITIES HAVE BEEN DISCONNECTED AS REQUIRED FOR THE WORK.
11. CONTRACTOR SHALL ERECT BARRIERS, FENCES, GUARDRAILS, ENCLOSURES, ETC. TO PROTECT THE SITE AND IN ACCORDANCE WITH THE EROSION CONTROL PLAN.
12. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL (SIGNS, BARRICADES, FLAGMEN, LIGHTS, ETC) IN ACCORDANCE WITH THE MUTCD, CURRENT EDITION, AS REQUIRED FOR THE WORK.
13. CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES REQUIRED FOR DEMOLITION OF WORK SHOWN.
14. CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION AND BENCHMARK(S). CONTRACTOR SHALL HAVE A LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THE CONTRACTOR'S COST.

DEMOLITION NOTES (CONT.):

15. CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, FEATURES, IMPROVEMENTS, AND UTILITIES (OVERHEAD OR UNDERGROUND) AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION NOT INTENDED TO BE REMOVED OR DEMOLISHED. CONTRACTOR WILL BE RESPONSIBLE FOR ALL RESULTANT COSTS DUE TO SUCH DAMAGES.
16. REFER TO SHEET C3.10 FOR DEMOLITIONS IN THE RIGHT OF WAY.

GENERAL UTILITY NOTES:

1. DESIGN OF UTILITIES WITHIN FIVE (5) FEET OF THE BUILDING ARE EXCLUDED FROM THESE PLANS. UTILITIES, INCLUDING DOWNSPOUT CONNECTIONS, CLEAN-OUTS, ETC WITHIN FIVE (5) FEET OF THE BUILDING SHALL BE DETAILED BY THE ARCHITECT OR MECHANICAL ENGINEER.

SANITARY NOTES:

1. CONCRETE USED IN SANITARY SEWER STRUCTURES SHALL BE AS SPECIFIED BY THE GOVERNING AGENCY OR CLASS B AS DEFINED BY CDOT STANDARDS AND SPECIFICATIONS FOR ROAD AN BRIDGE CONSTRUCTION, IN THE ABSENCE OF AN AGENCY SPECIFICATION.
2. SEWER SERVICE CONNECTIONS WITH THE MAIN LINE SHALL BE IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS. IF NO STANDARD EXISTS, WYE OR TEE (AS NOTED ON PLANS) SHALL BE CUT INTO THE MAIN LINE AND INSTALLED WITH FLEXIBLE NON-SHEAR REINFORCED COUPLINGS ON THE MAIN.
3. IF NOT SPECIFIED BY THE UTILITY DISTRICT, SANITARY SEWER SERVICE CONNECTIONS TO THE MAINLINE SHALL CONNECT AT 2:00 OR 10:00 ON THE MAIN.
4. MINIMUM DROP FROM THE SERVICE LINE BEND TO THE MAIN SHALL BE EQUAL TO THE SIZE OF THE MAINLINE.
5. SLOPE OF SERVICE LINES SHALL BE AS NOTED ON PLANS.
6. PIPE AND FITTINGS SHALL BE PER GOVERNING AGENCY STANDARD AN IN THE ABSENCE OF A STANDARD SHALL BE PVC SDR 35, MEETING ASTM D3034.
7. BEDDING SHALL BE PROVIDED AND PLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARD OR APPROVED EQUAL.
8. PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
9. ALL PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLES.
10. COORDINATES FOR MANHOLES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE INDICATED.

STORM NOTES:

1. CONCRETE USED IN STORM SEWER STRUCTURES SHALL BE AS SPECIFIED BY THE GOVERNING AGENCY OR CLASS B AS DEFINED BY CDOT STANDARDS AND SPECIFICATIONS FOR ROAD AN BRIDGE CONSTRUCTION, IN THE ABSENCE OF AN AGENCY SPECIFICATION.
2. REFER TO STORM SEWER PLANS FOR LANDSCAPE/ ROOF DRAINS AND DETENTION POND FACILITIES, INCLUDING OUTFALLS.
3. IF CONNECTED TO AN UNDERGROUND SYSTEM, DOWNSPOUTS SHALL HAVE AN OVERFLOW PROTECTION. REFER TO ARCHITECTURAL PLANS.
4. ALL PVC PIPE SHALL BE PVC SCHEDULE 40, OR APPROVED EQUAL.
5. ALL CONCRETE PIPE SHALL BE REINFORCED AND CLASS III (MIN).
6. SLOPE OF SERVICE LINES SHALL BE AS NOTED ON PLANS.
7. BEDDING SHALL BE PROVIDED AND PLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARD OR APPROVED EQUAL.
8. PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
9. ALL PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLES AND LANDSCAPE INLETS, AND INSIDE FACE OF OTHER STRUCTURES.
10. COORDINATES FOR TYPE R INLETS ARE TO FLOWLINE AT MIDPOINT OF INLET.
11. COORDINATES FOR ALL OTHER STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE INDICATED.
12. LANDSCAPE DRAINS (18" SQUARE OR SMALLER) SHALL BE NDS CATCH BASINS WITH ADA COMPLIANT GRATES THAT MEET HS-20 LOADING OR APPROVED EQUAL, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

ABBREVIATIONS

AC	ASPHALTIC CONCRETE
B.O.P.	BOTTOM OF PIPE
CC	CONCRETE
CL	ROADWAY CENTERLINE
CMP	CORRUGATED METAL PIPE
CR	CURB RAMP
DE / DEMO	DEMOLITION
DIA	DIAMETER
DWG	DRAWING
DRNG	DRAINAGE
ESMT	EASEMENT
E / ELEC	ELECTRICAL
E	EAST
EC	EDGE OF CONCRETE
EG	EXISTING GRADE
EL / ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EX / EXIST	EXISTING
FES	FLARED END SECTION
FG	FINISHED GRADE
FL	FLOWLINE
FH	FIRE HYDRANT
FO	FIBER OPTIC
G	GAS
GND	GROUND
GRV	GRAVEL
HGL	HYDRAULIC GRADE LINE
HORIZ	HORIZONTAL
HP	HIGH POINT
INT	INTERSECTION
INV	INVERT
LP	LOW POINT
LF	LEFT
LN	LANE
LS	LIFT STATIO
MAT	MATERIAL
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH
NO.	NUMBER
NTS	NOT TO SCALE
OH	OVERHEAD
OHEL	OVERHEAD ELECTRICAL
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	POINT OF CURVATURE, REVERSE
PE	PROFESSIONAL ENGINEER
PI	POINT OF INTERSECTION
PLS	PROFESSIONAL LAND SURVEYOR
PR	PROPOSED
PT	POINT OF TANGENCY / POINT
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS / RIGHT
REC	RECORDING
RCP	REINFORCED CONCRETE PIPE
R.O.W.	RIGHT-OF-WAY
RD	ROAD / ROADWAY
RT	RIGHT
S	SOUTH
SD	STORM DRAIN
SEC	SECTION
SHT	SHEET
SI	SIGNING & STRIPING
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
SW	SIDEWALK
T / TELE	TELEPHONE
TBC	TOP BACK OF CURB
TC	TOP OF CURB / TRAFFIC CONTROL
TOE	TOE OF SLOPE
TOW	TOP OF WALL
T.O.P.	TOP OF PIPE
TYP	TYPICAL
TV	TELEVISION
UE	UTILITY EASEMENT
VERT	VERTICAL
VC	VERTICAL CURVE
W	WEST / WATER
WT	WATER
XC	CROSS-SECTION
Y1	SINGLE YELLOW STRIPE
Y2	DOUBLE YELLOW STRIPE

LEGEND

- 6350 — PROPOSED MAJOR CONTOUR
- 6349 — PROPOSED MINOR CONTOUR
- 6350 — EXISTING MAJOR CONTOUR
- 6349 — EXISTING MINOR CONTOUR
- FG — FINISHED GRADE
- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- CENTERLINE
- LOT / TRACT / PARCEL BOUNDARY
- SIGHT / SAFETY TRIANGLE
- 1 LOT 1 — BLOCK NUMBER / LOT NUMBER
- DRAINAGE SWALE
- GUARDRAIL
- STREET LIGHT
- STREET SIGNS
- CURB RAMPS
- TOWNHOMES
- ROAD WARPING
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- RIPRAP
- SOIL RIPRAP
- SAWCUT
- STORM (FES, MH, & INLET)
- SANITARY
- WATER (HYDRANT, VALVE, BEND, MH)
- RAW WATER (VALVE, BEND, ARV)
- FOREBAY
- STORM INLETS (TYPE C, D, 13, & R)
- STORM 100 YEAR HGL
- STORM 5 YEAR HGL
- A — A LOT
- B — B LOT
- WO — WALKOUT LOT
- T — TRANSITION LOT
- EX STORM (FES, MH, & INLET)
- EX SANITARY
- EX WATER (HYDRANT, VALVE, BEND, MH)
- OHUT — EXISTING OVERHEAD ELECTRIC
- UE — EXISTING UNDERGROUND ELECTRIC
- EXISTING STORM
- EXISTING SWALE
- EXISTING SANITARY CLEAN OUT
- EXISTING TREE
- EXISTING SIGN
- W — EXISTING WATER
- G — EXISTING GAS
- FO — EXISTING FIBER OPTIC
- UE — EXISTING ELECTRIC
- T — T — EXISTING TELEPHONE
- X — EXISTING FENCE
- WET — WET — EXISTING WETLAND
- EX BOLLARD
- EB — EX ELECTRIC BREAKER BOX
- EX FIBER OPTIC VAULT
- EX GAS METER
- MP — EX METAL POST
- EX OIL & GAS WELL
- EX TELEPHONE PEDESTAL
- EXISTING POWER POLE & GUY WIRE
- W — EX WATER MH, METER, & VENT PIPE
- EX WATER VALVE & HYDRANT

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

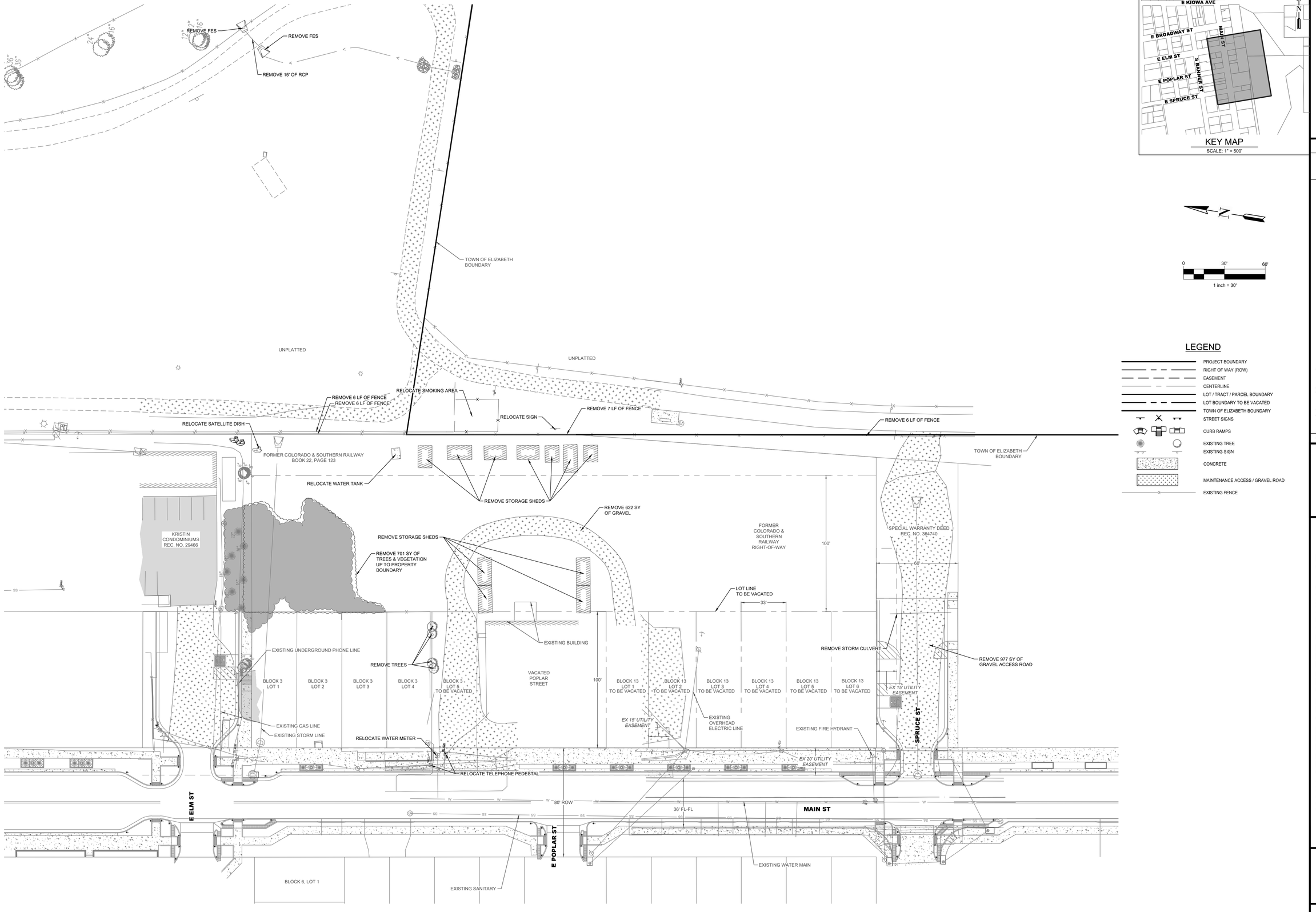
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO

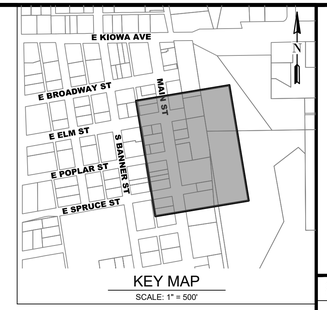
CONSTRUCTION DOCUMENTS
GENERAL NOTES

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

SHEET 2 OF 21

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GENERAL NOTES.DWG 1





0 30' 60'

1 inch = 30'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- CENTERLINE
- LOT / TRACT / PARCEL BOUNDARY
- LOT BOUNDARY TO BE VACATED
- TOWN OF ELIZABETH BOUNDARY
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

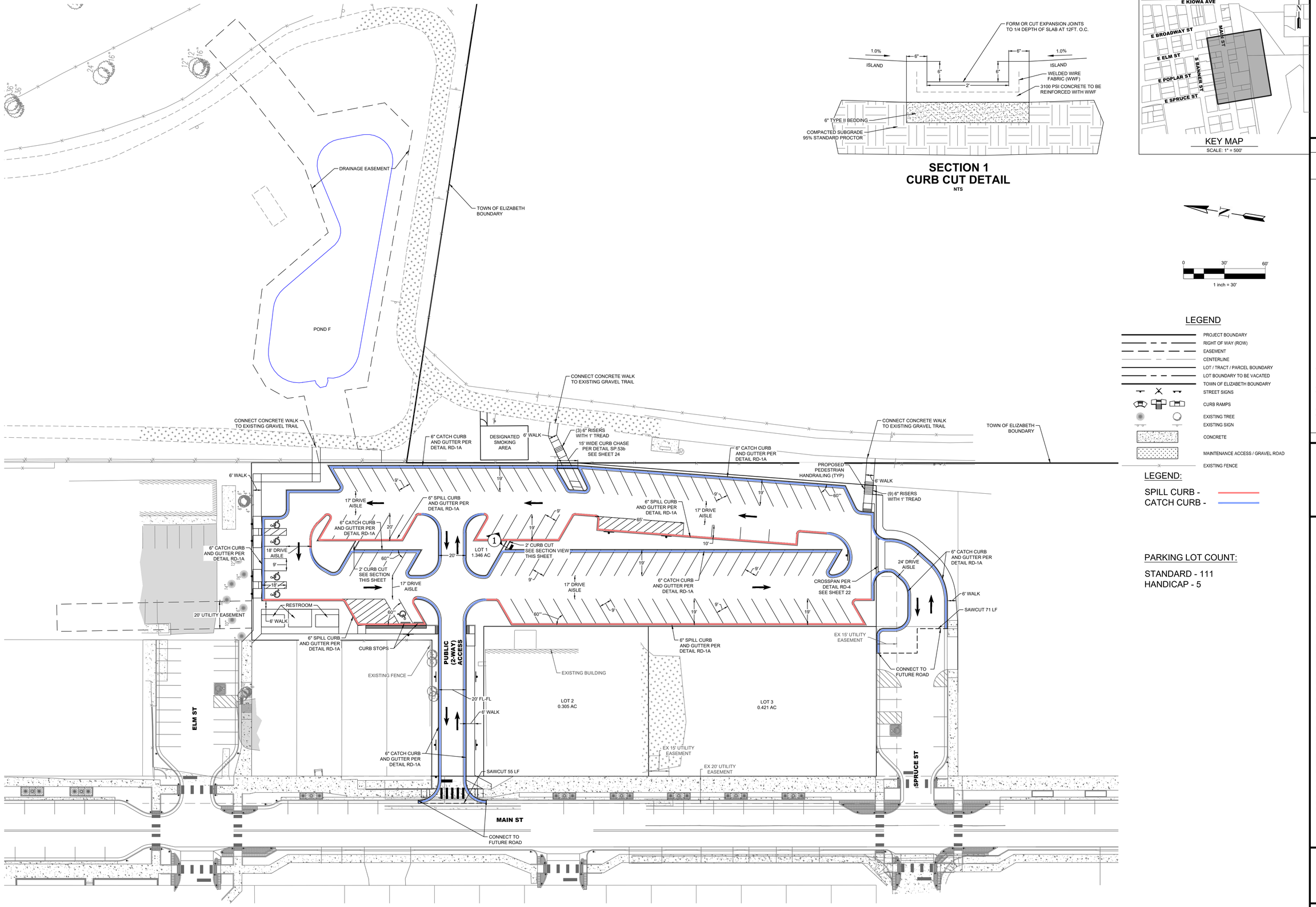
TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
EXISTING SITE & DEMO PLAN

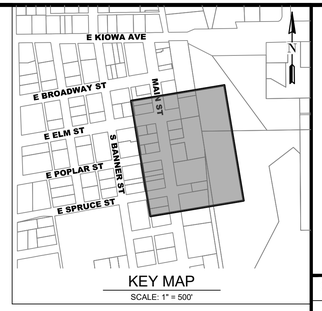
Know what's **below.** **Call** before you dig. 811

SHEET 3 OF 24

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS EXISTING&DEMO.DWG 1



SECTION 1
CURB CUT DETAIL
NTS



KEY MAP
SCALE: 1" = 500'

0 30' 60'
1 inch = 30'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- CENTERLINE
- LOT / TRACT / PARCEL BOUNDARY
- LOT BOUNDARY TO BE VACATED
- TOWN OF ELIZABETH BOUNDARY
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:
SPILL CURB -
CATCH CURB -

PARKING LOT COUNT:

STANDARD - 111
HANDICAP - 5

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

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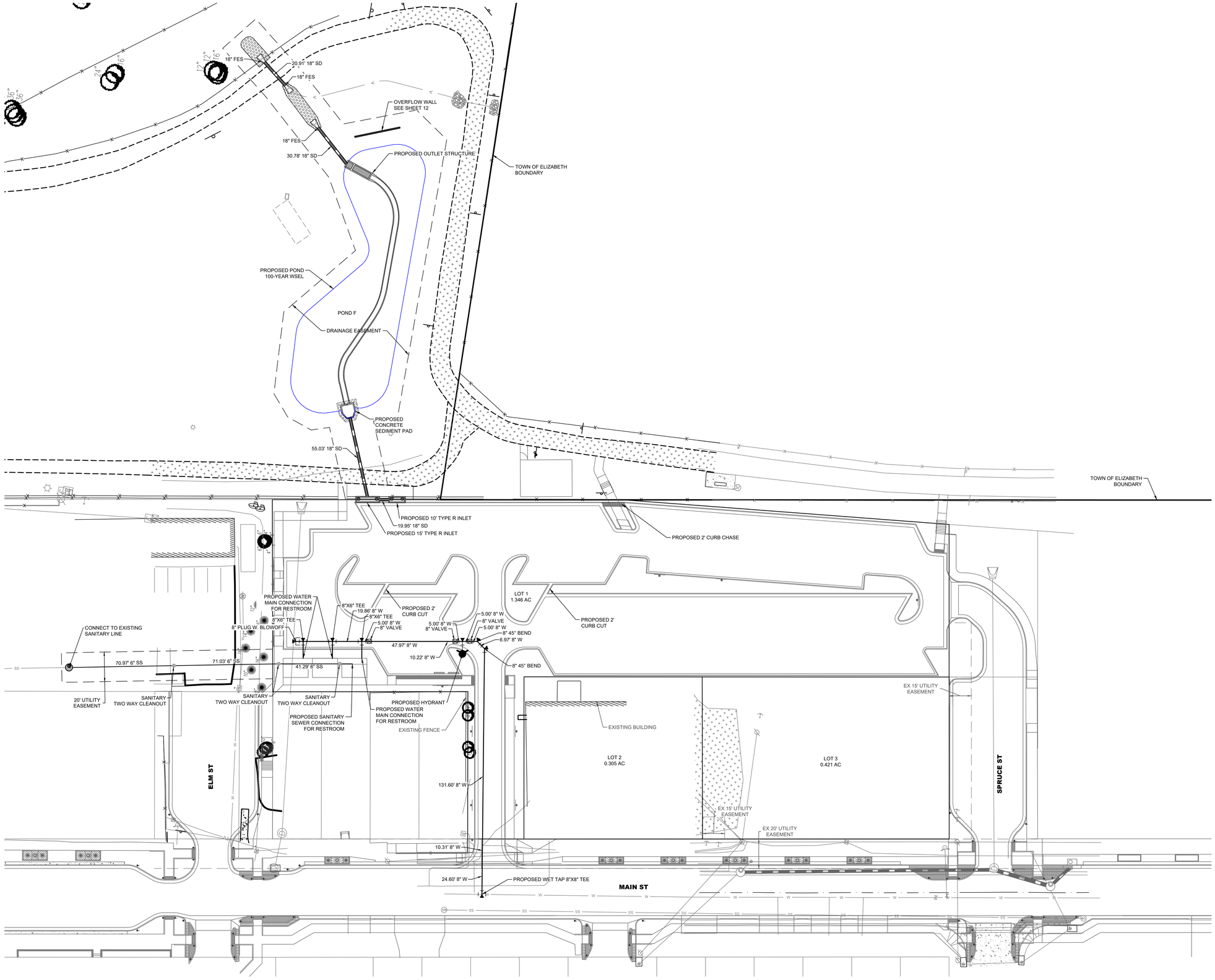
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
OVERALL SITE PLAN

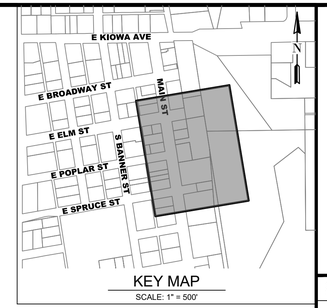
Know what's below. Call before you dig. 811

SHEET 4 OF 24

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1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAX CDS SITE PLAN.DWG 1





0 30' 60'

1 inch = 30'

LEGEND

- STORM (FES, MH, & INLET)
- STORM INLETS (TYPE C, D, 13, & R)
- SANITARY
- WATER (HYDRANT, VALVE, BEND, MH)
- 100-YR WSEL
- OHUT — EXISTING OVERHEAD ELECTRIC
- UE — EXISTING UNDERGROUND ELECTRIC
- X — EXISTING FENCE
- FO — EXISTING FIBER OPTIC
- G — EXISTING GAS
- O — EXISTING STORM
- UT — EXISTING TELEPHONE
- W — EXISTING WATER
- EXISTING SWALE
- EXISTING SANITARY CLEAN OUT
- EXISTING WATER MANHOLE
- MAINTENANCE ACCESS / GRAVEL TRAIL
- RIPRAP
- CONCRETE

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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

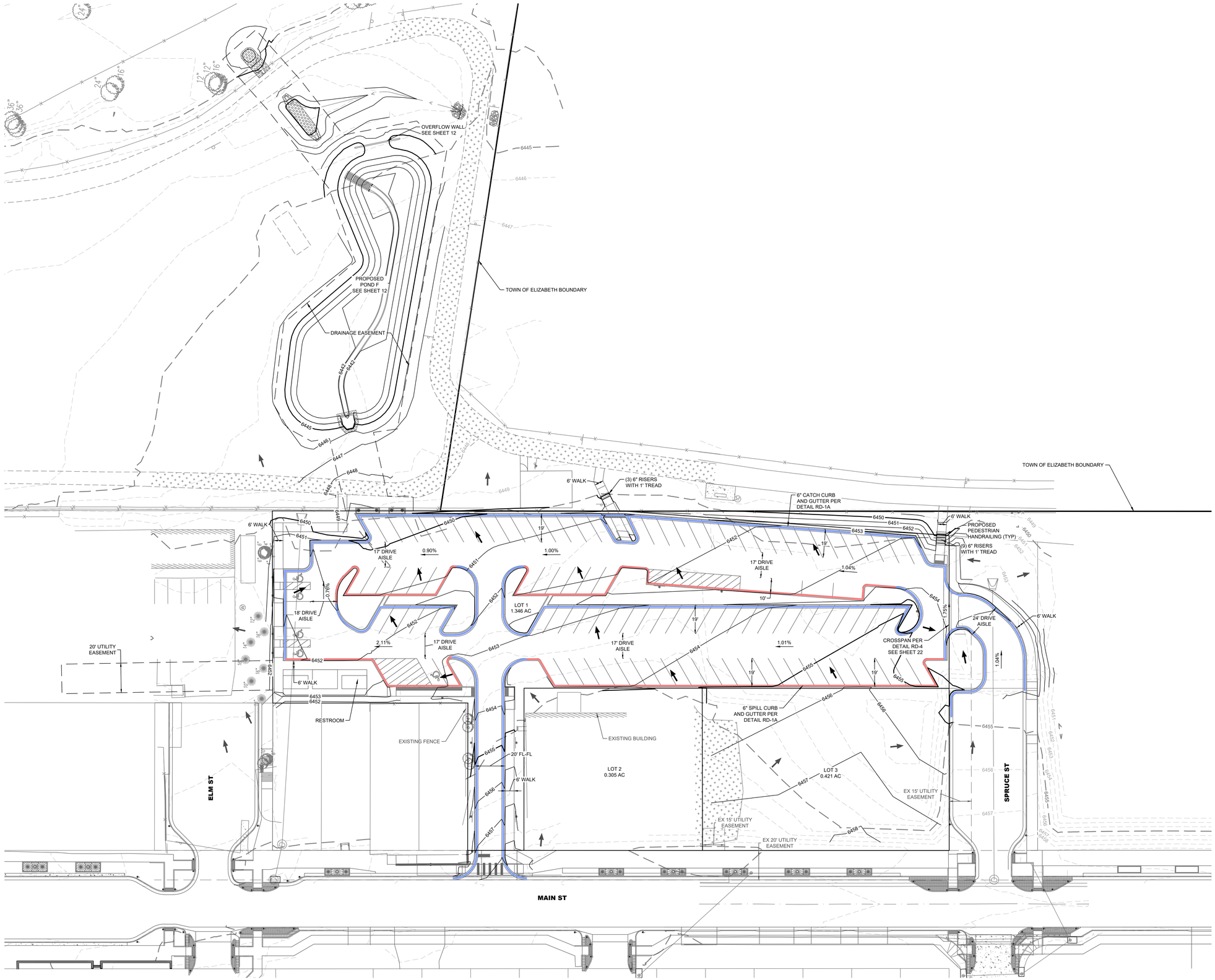
CONSTRUCTION DOCUMENTS

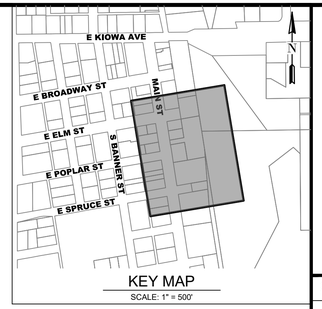
OVERALL UTILITY PLAN

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

SHEET 5 OF 24

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS UTILITY PLAN.DWG 1





KEY MAP
SCALE: 1" = 500'

0 30' 60'
1 inch = 30'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

SPILL CURB -
CATCH CURB -

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

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MAIN STREET OFF-STREET PARKING LOT

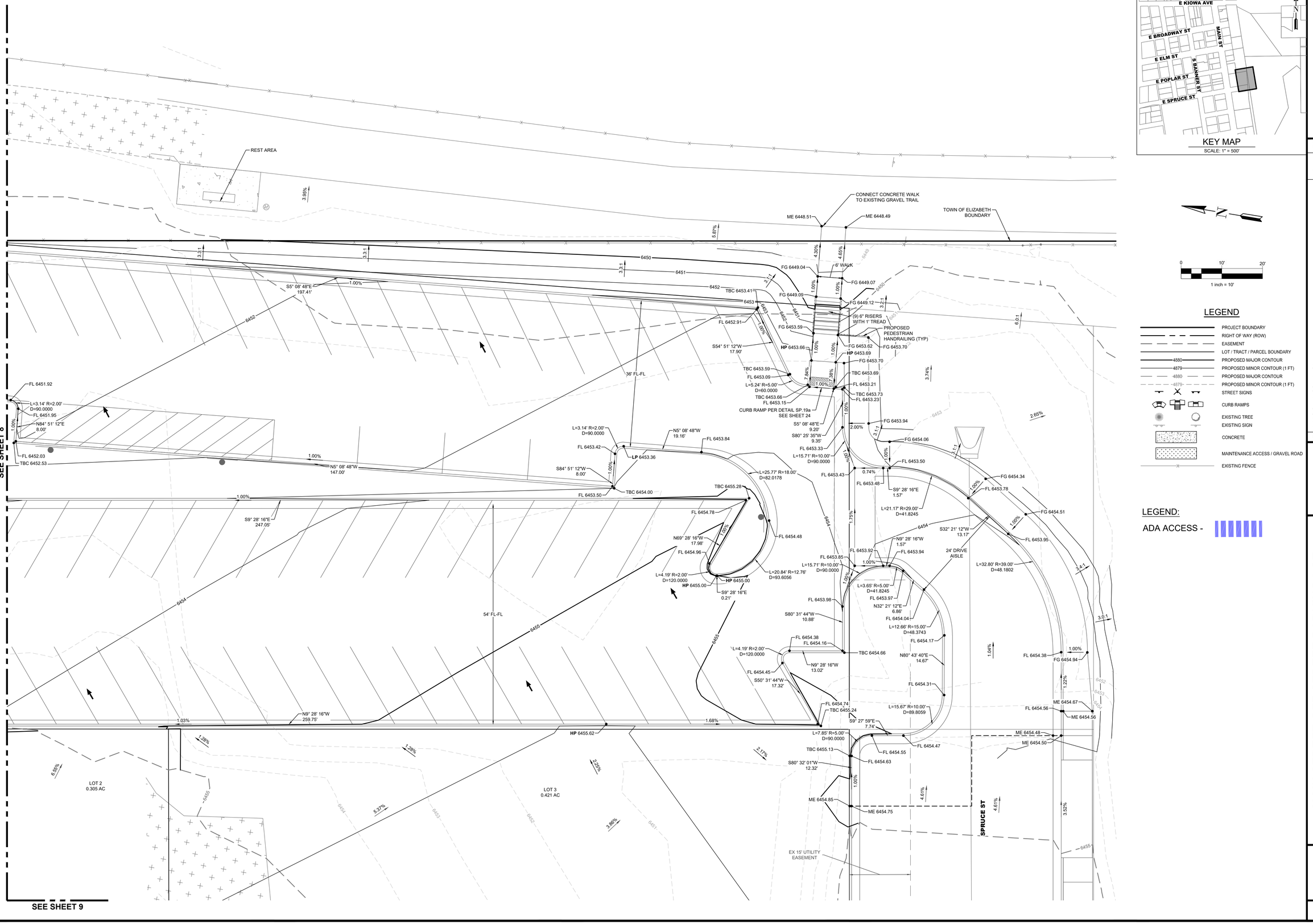
TOWN OF ELIZABETH, COLORADO

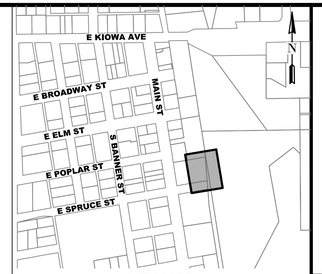
CONSTRUCTION DOCUMENTS
OVERALL GRADING PLAN

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SHEET 6 OF

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GRADING PLAN.DWG 1





KEY MAP
SCALE: 1" = 500'

0 10' 20'
1 inch = 10'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

ADA ACCESS -

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
HORIZONTAL CONTROL & GRADING PLAN (1 OF 4)

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

SHEET 7 OF 24

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SEE SHEET 10

SEE SHEET 7

SEE SHEET 9

DRAINAGE EASEMENT

TOWN OF ELIZABETH BOUNDARY

CONNECT CONCRETE WALK TO EXISTING GRAVEL TRAIL

DESIGNATED SMOKING AREA

PROPOSED PEDESTRIAN HANDRAILING (TYP)

6' WALK

CURB CHASE

CURB RAMP PER DETAIL SP.19a ON SHEET 24

CURB RAMP PER DETAIL SP.20 ON SHEET 24

20' UTILITY EASEMENT

RESTROOM (SEE ARCHITECTURE PLANS)

2' WIDE INLAYED PATTERN OF TRUNCATED DOMES PER DETAIL RD-3A SEE SHEET 22

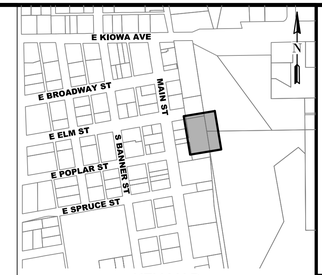
DRIVEWAY CUT PER DETAIL RD-2 SEE SHEET 22

EXISTING FENCE

EXISTING BUILDING

LOT 1
1.346 AC

LOT 2
0.305 AC



KEY MAP
SCALE: 1" = 500'

0 10' 20'
1 inch = 10'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

ADA ACCESS -

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

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MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS

HORIZONTAL CONTROL & GRADING PLAN (2 OF 4)

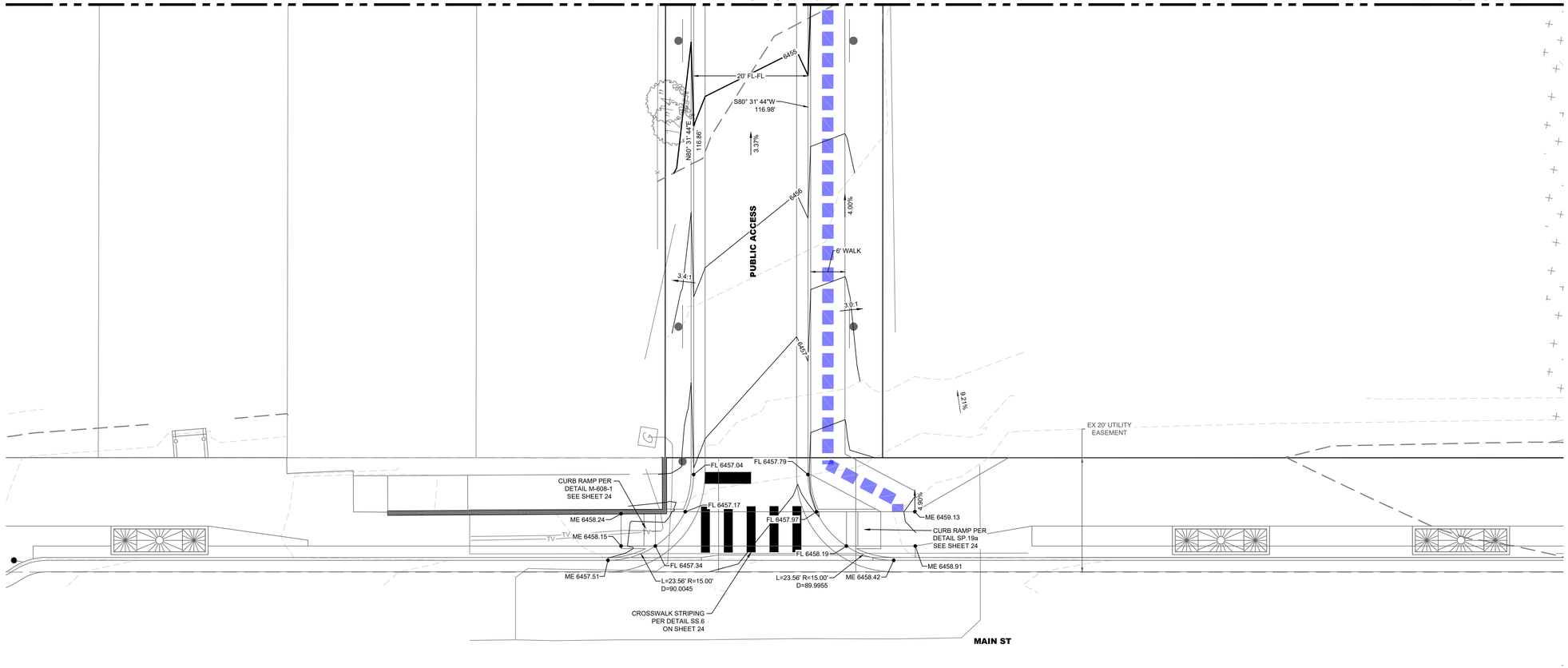
Know what's below. Call before you dig. 811

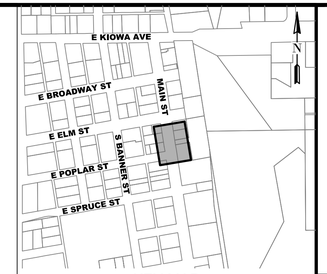
SHEET 8 OF 24

1/30/2025 11:24 AM - X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS - DETAILED GRADING PLAN.DWG - 2

SEE SHEET 8

SEE SHEET 7





KEY MAP

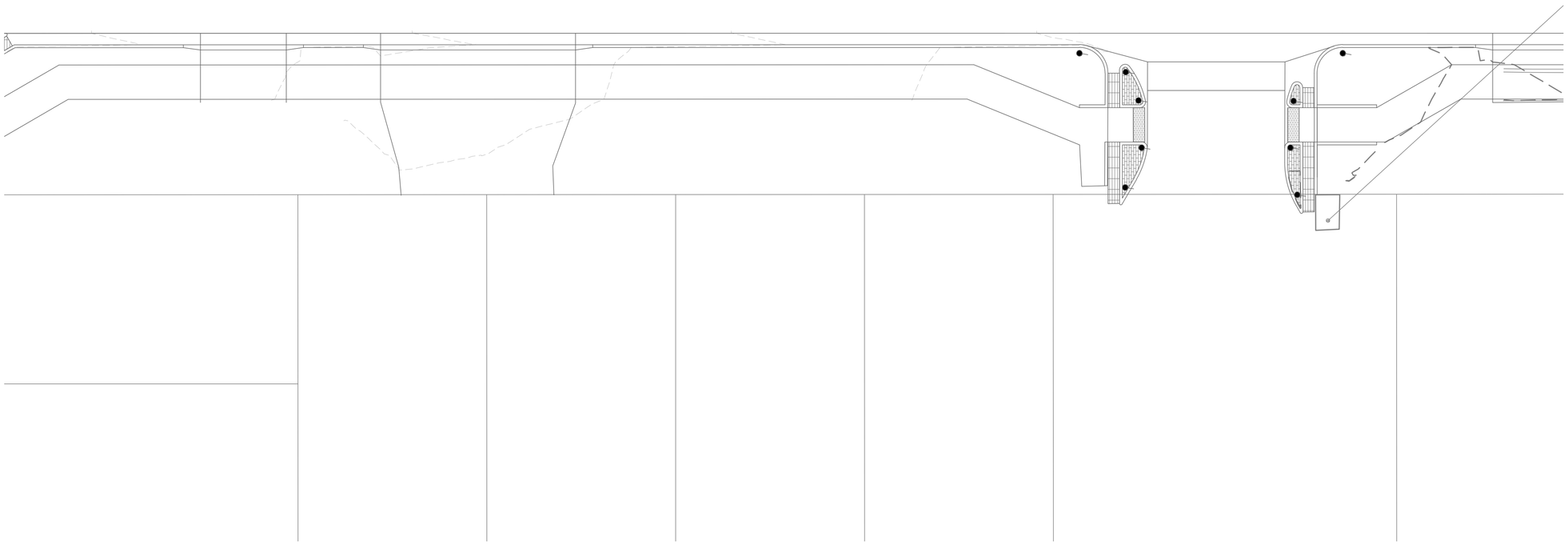
SCALE: 1" = 500'

0 10' 20'

1 inch = 10'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE



LEGEND:

ADA ACCESS -

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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

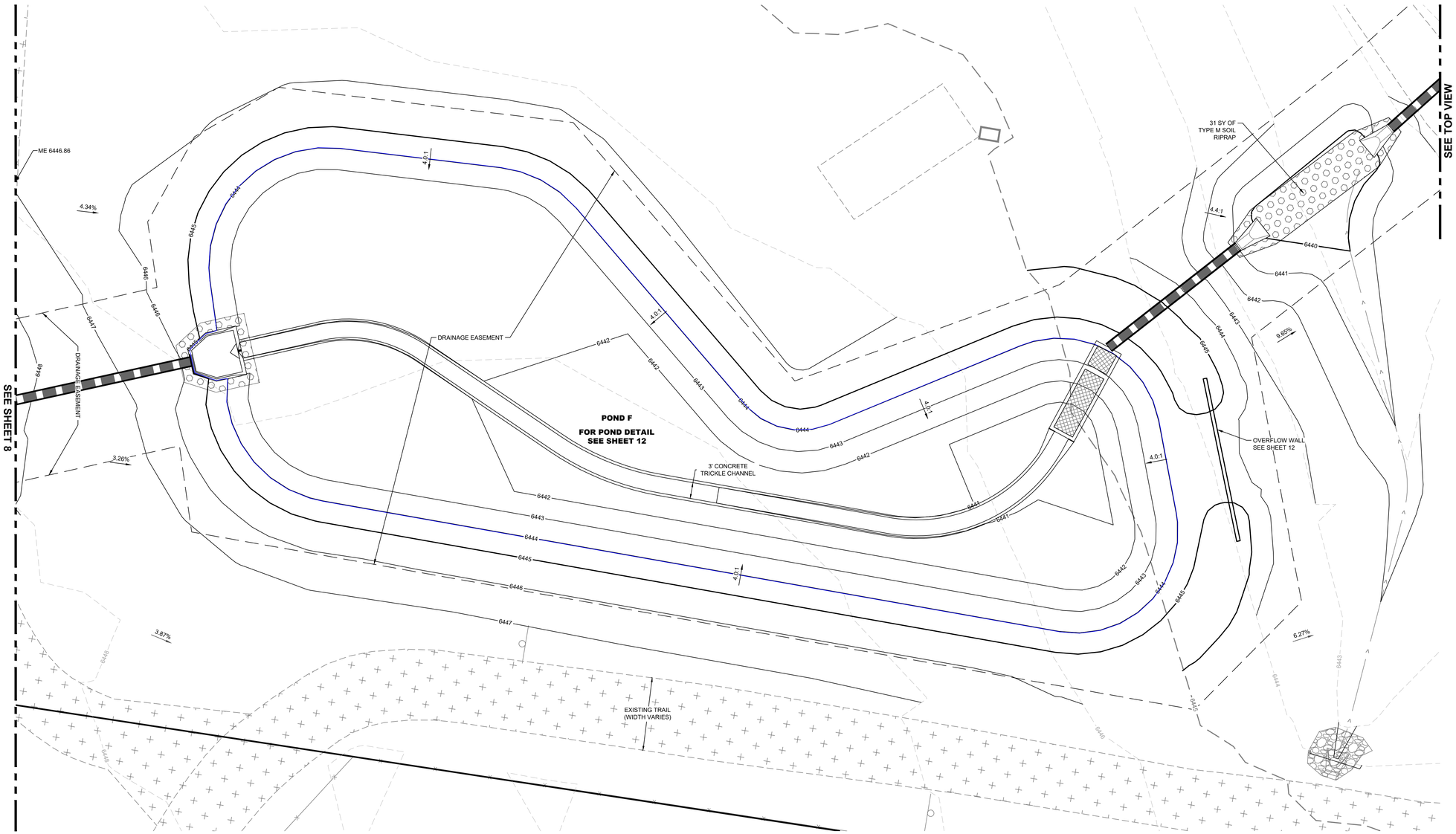
CONSTRUCTION DOCUMENTS

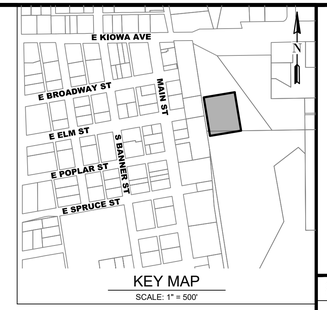
HORIZONTAL CONTROL & GRADING PLAN (3 OF 4)

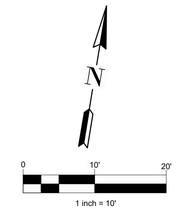
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SHEET 9 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILED GRADING PLAN.DWG 3







LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

ADA ACCESS -

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

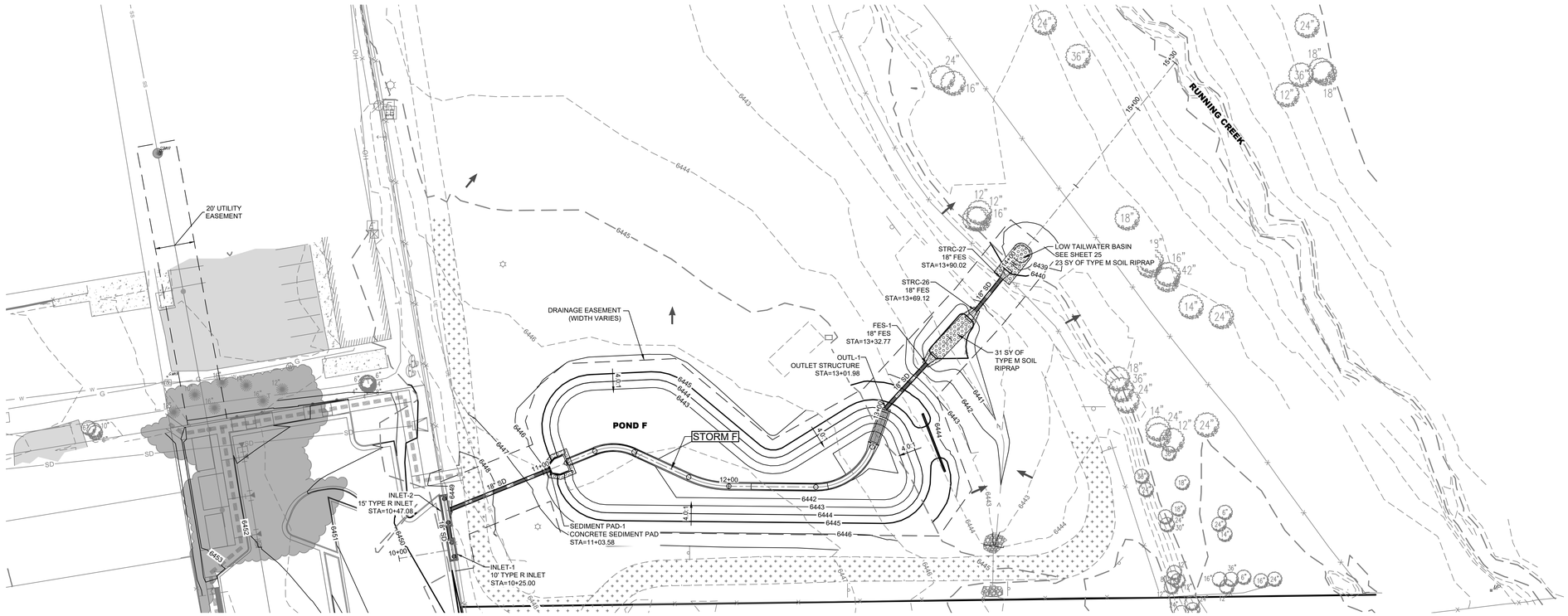
CONSTRUCTION DOCUMENTS

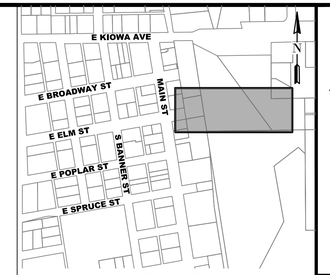
HORIZONTAL CONTROL & GRADING PLAN (4 OF 4)

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

SHEET 10 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILED GRADING PLAN.DWG 4





KEY MAP

SCALE: 1" = 500'

N

0 30' 60'

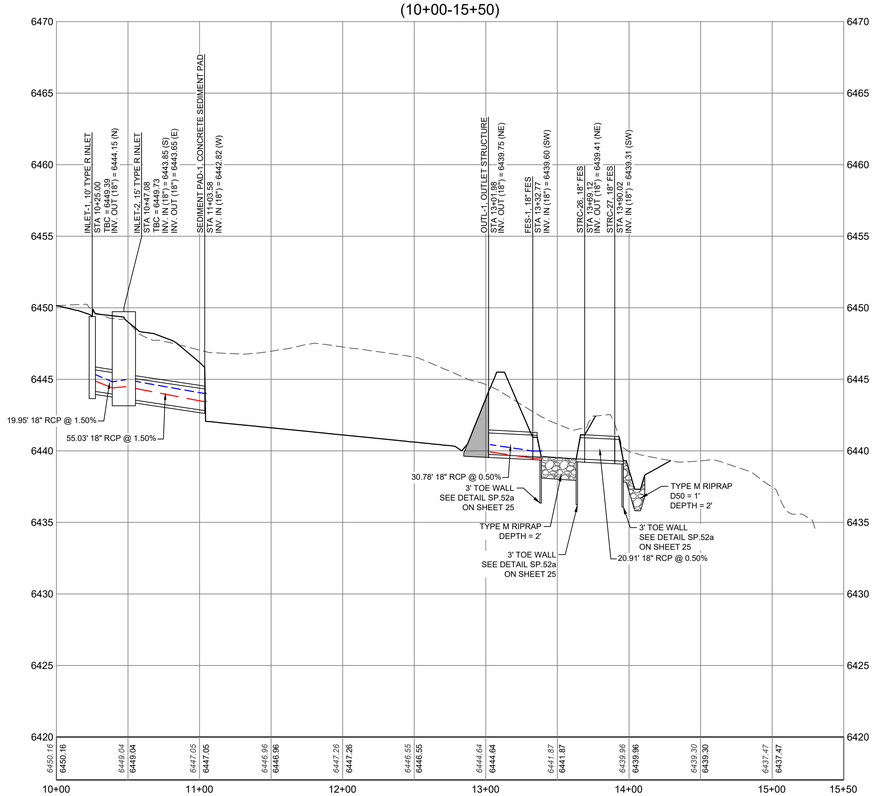
1 inch = 30'

PROFILE LEGEND

EXIST GRADE
PROP GRADE
1"=50' (HORZ) 1"=5' (VERT)

STORM F

(10+00-15+50)



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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

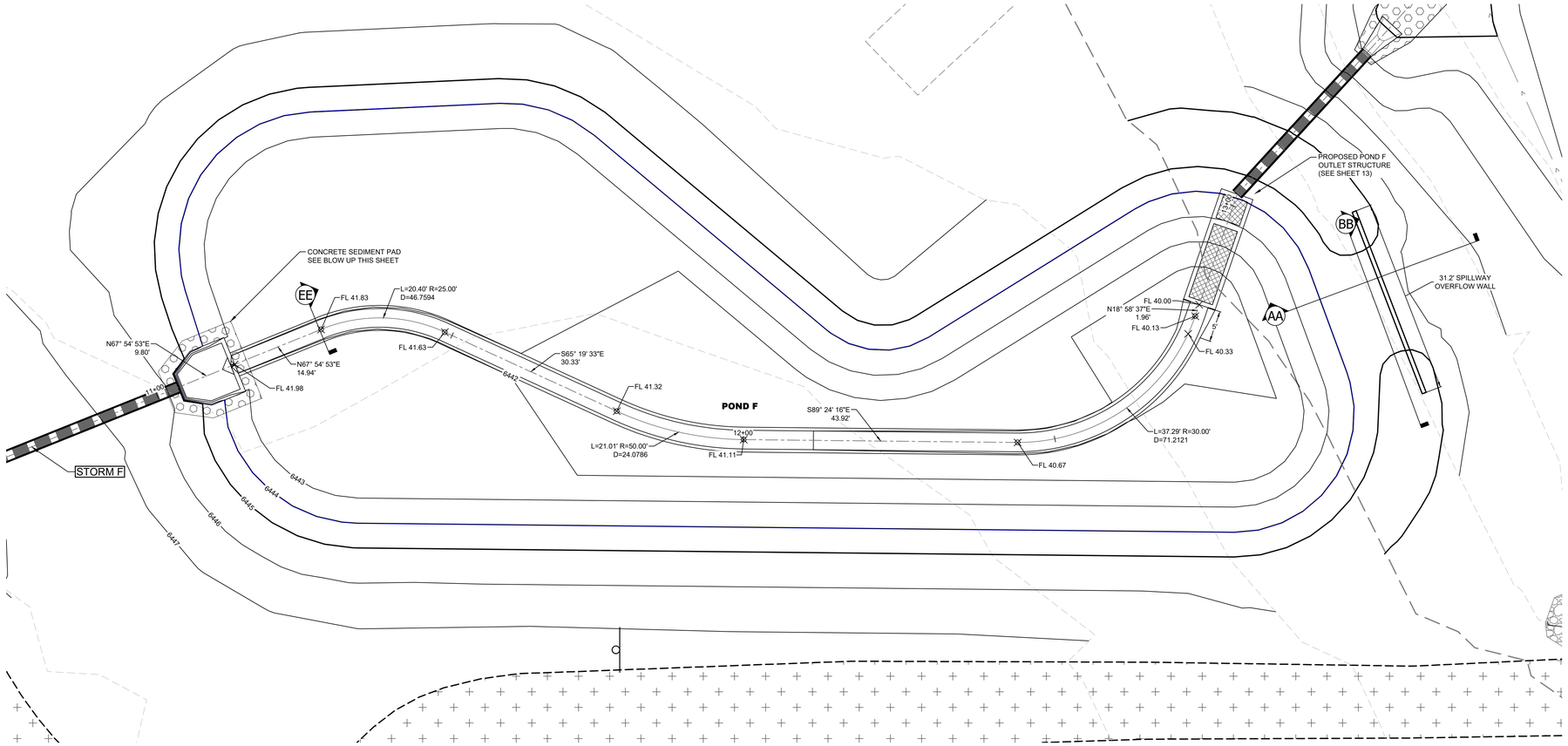
CONSTRUCTION DOCUMENTS

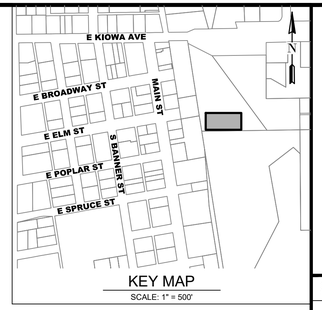
STORM P&P - STORM F

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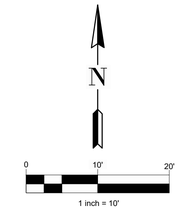
SHEET 11 OF

1/30/2025 11:24 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS STORM P&P.DWG 1



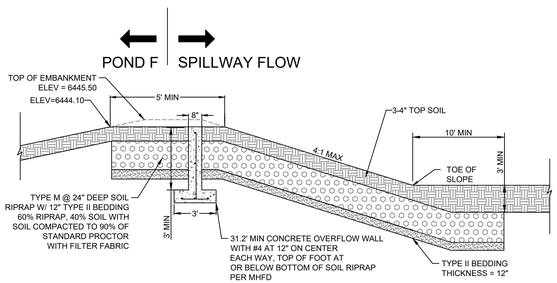


KEY MAP
SCALE: 1" = 500'

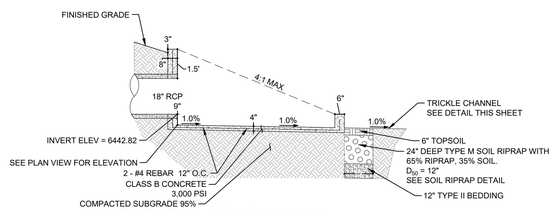


LEGEND

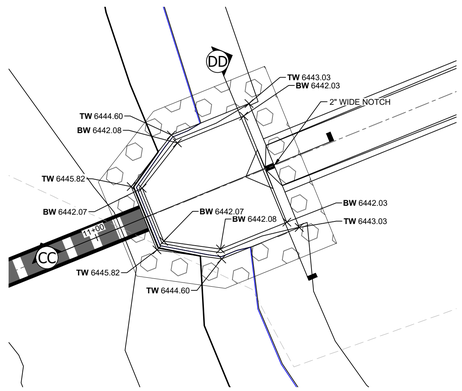
- PROPOSED MAJOR CONTOUR (6350)
- PROPOSED MINOR CONTOUR (6349)
- EXISTING MAJOR CONTOUR (6350)
- EXISTING MINOR CONTOUR (6349)
- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT BOUNDARY
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- RIPRAP
- SOIL RIPRAP
- STORM (FES, MH, & INLET)
- SANITARY
- WATER (HYDRANT, VALVE, BEND, MH)
- FOREBAY
- STORM INLETS (TYPE C, D, 13, & R)
- STORM 100 YEAR HGL
- STORM 5 YEAR HGL
- EX STORM (FES, MH, & INLET)
- EXISTING UTILITY
- EXISTING SWALE
- EXISTING SIGN
- EXISTING WATER
- EXISTING FENCE
- EXISTING POWER POLE & GUY WIRE
- EX WATER MH, METER, & VENT PIPE
- EX WATER VALVE & HYDRANT



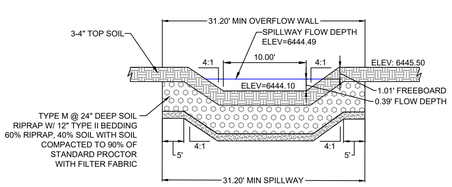
SPILLWAY
SECTION A-A
NTS



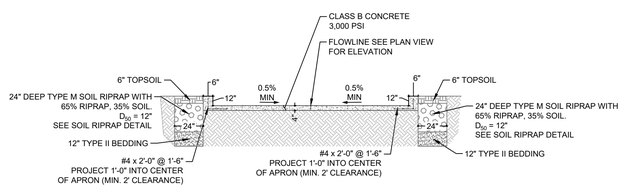
CONCRETE PAD
SECTION C-C
NTS



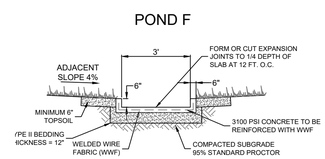
CONCRETE PAD BLOW UP
SCALE = 1" = 5'



SPILLWAY
SECTION B-B
NTS



CONCRETE PAD
SECTION D-D
NTS



CONCRETE TRICKLE CHANNEL
SECTION E-E
NTS

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

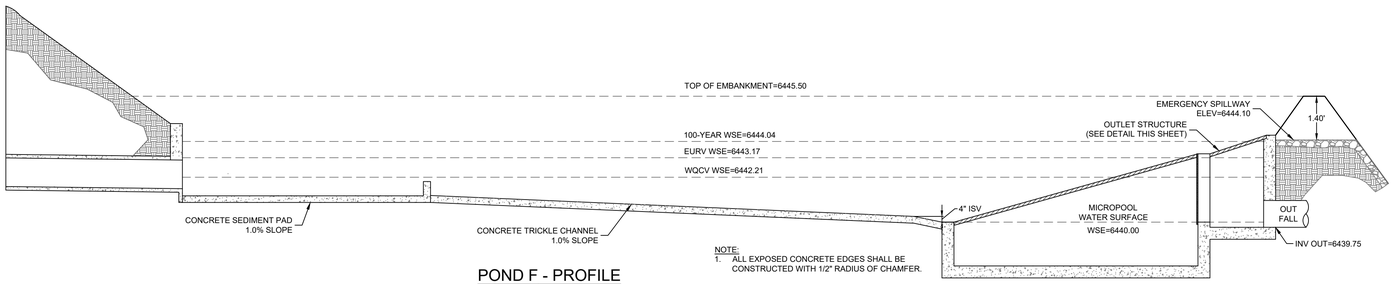
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
STORM - POND F

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

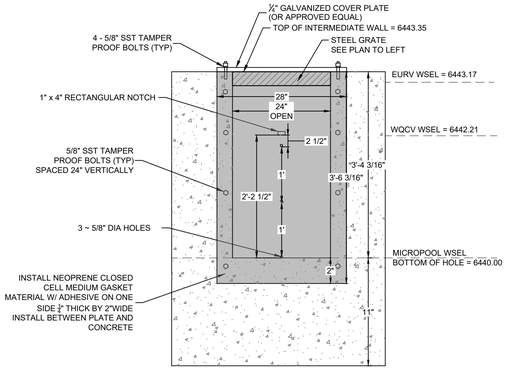
SHEET
12 OF

terracina design
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Denver, CO 80231
ph: 303.632.8867

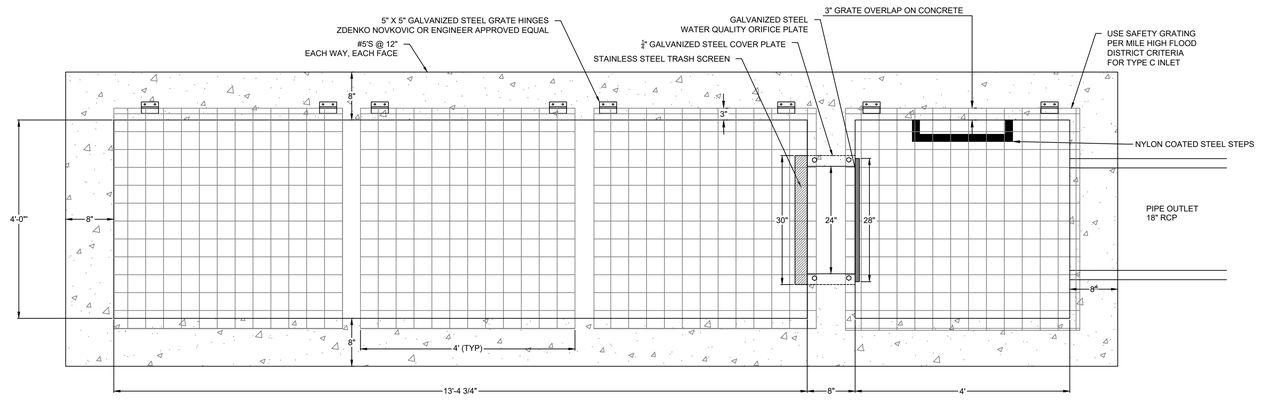
10/2/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS POND SHEETS.DWG POND



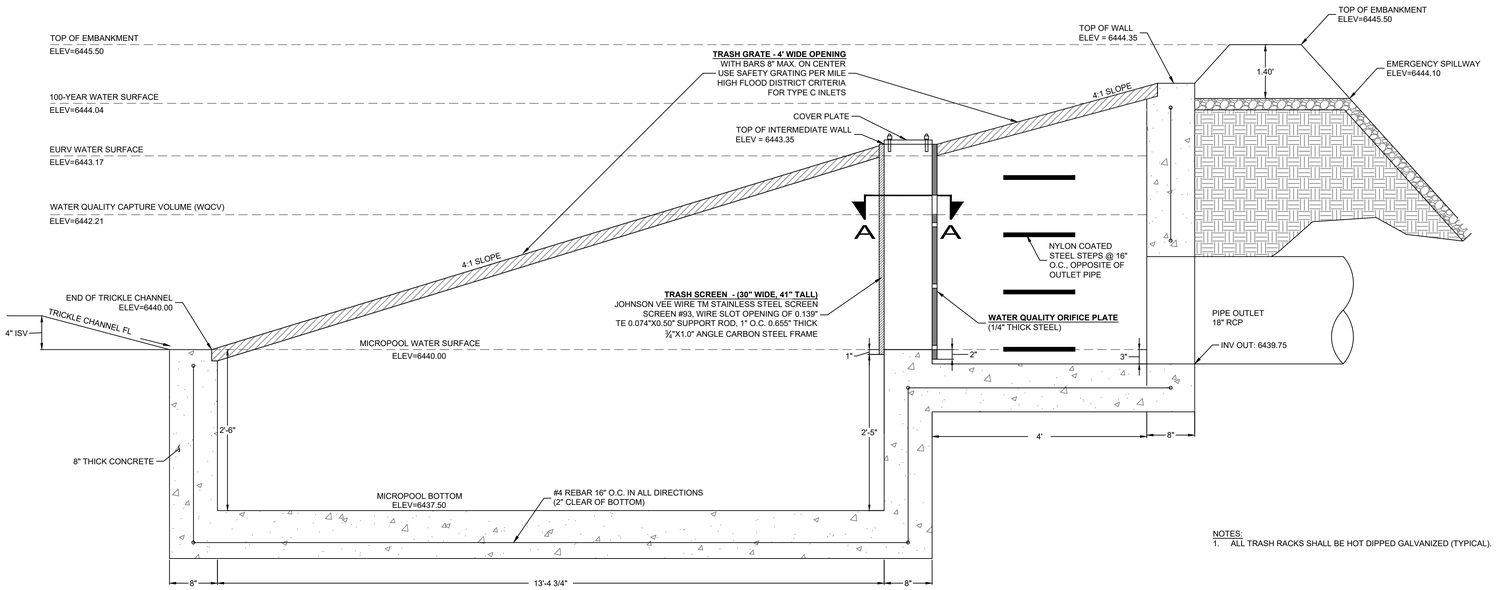
POND F - PROFILE
NTS



ORIFICE PLATE - ELEVATION
NTS

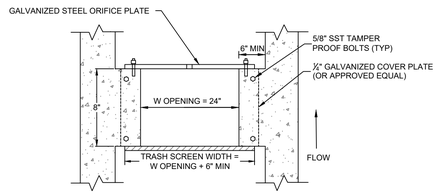


POND F - OUTLET STRUCTURE PLAN
NTS



POND F - OUTLET STRUCTURE SECTION
NTS

NOTES:
1. ALL TRASH RACKS SHALL BE HOT DIPPED GALVANIZED (TYPICAL).



TRASH SCREEN/ORIFICE PLATE SECTION (A)
NTS

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

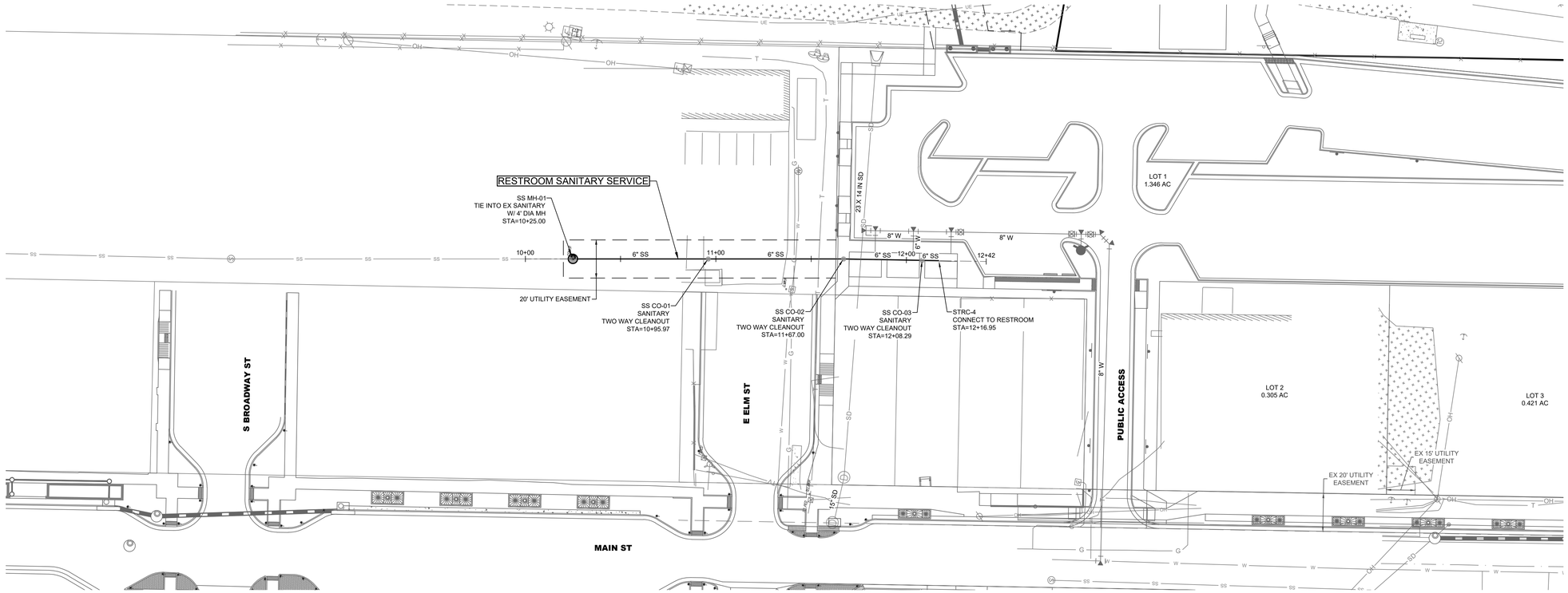
NOT FOR CONSTRUCTION

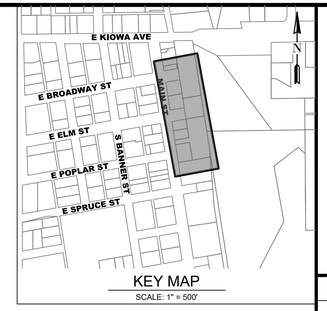
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
STORM - OUTLET STRUCTURE - POND F

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

SHEET
13 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS POND SHEETS.DWG OUTLET STUCTURE





0 30' 60'

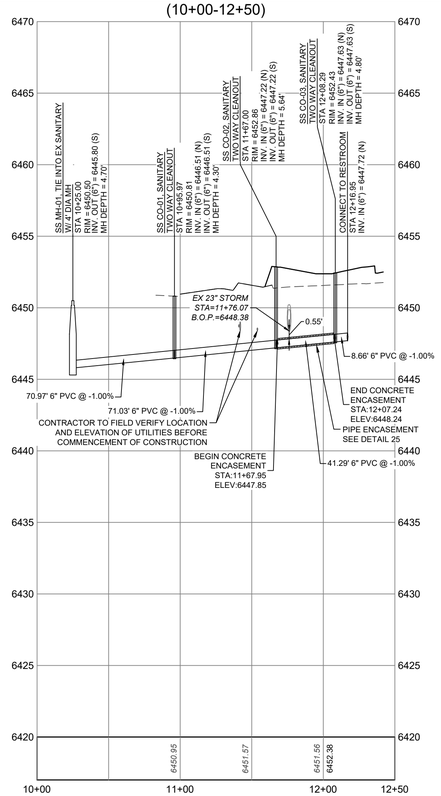
1 inch = 30'

PROFILE LEGEND

EXIST GRADE
PROP GRADE
1"=50' (HORZ) 1"=5' (VERT)

RESTROOM SANITARY SERVICE

(10+00-12+50)



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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

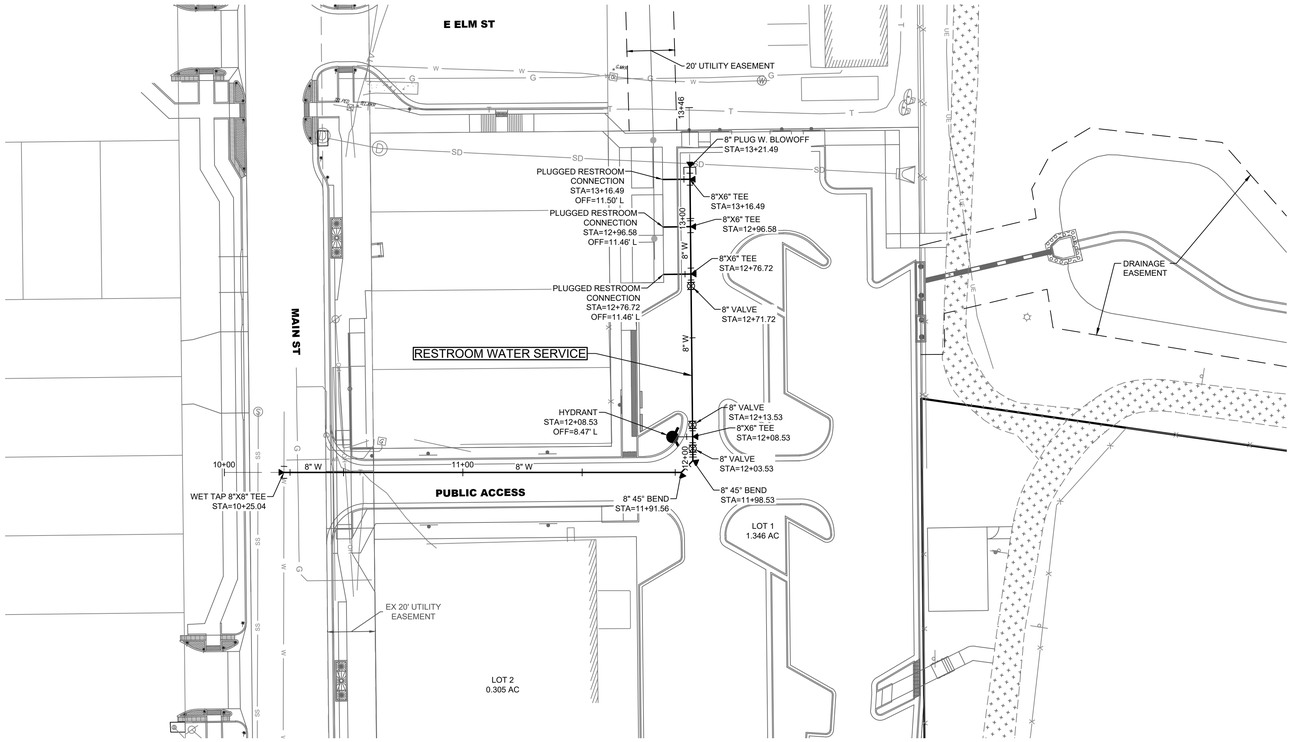
CONSTRUCTION DOCUMENTS

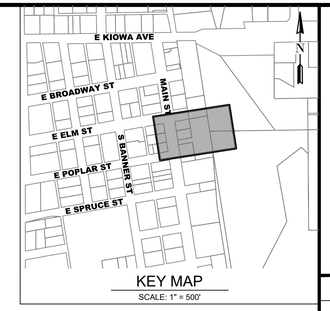
SANITARY P&P - RESTROOM SANITARY SERVICE

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

SHEET 14 OF

1/30/2025 11:24 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS SANITARY P&P.DWG 1





KEY MAP

SCALE: 1" = 500'

N

0 30' 60'

1 inch = 30'

PROFILE LEGEND

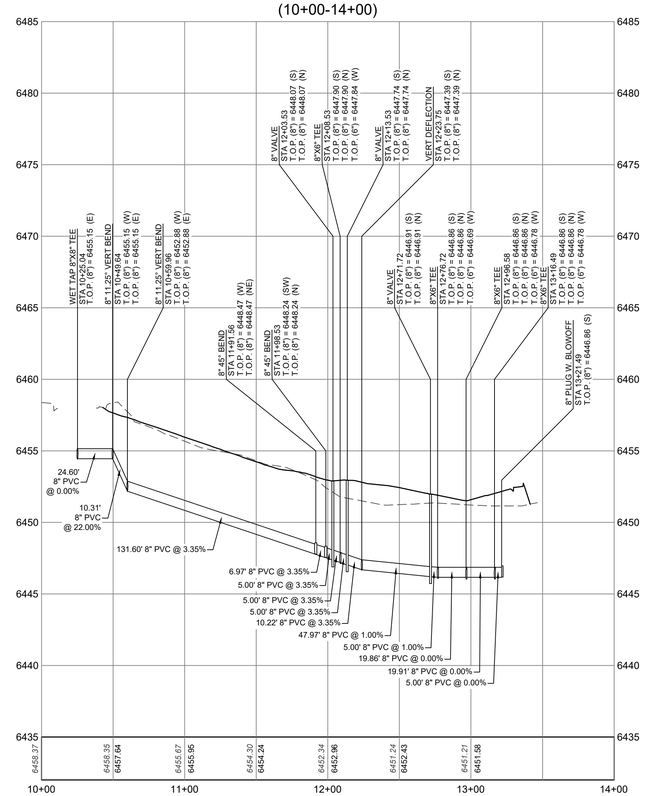
EXIST GRADE

PROP GRADE

1"=50' (HORZ) 1"=5' (VERT)

RESTROOM WATER SERVICE

(10+00-14+00)



#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS

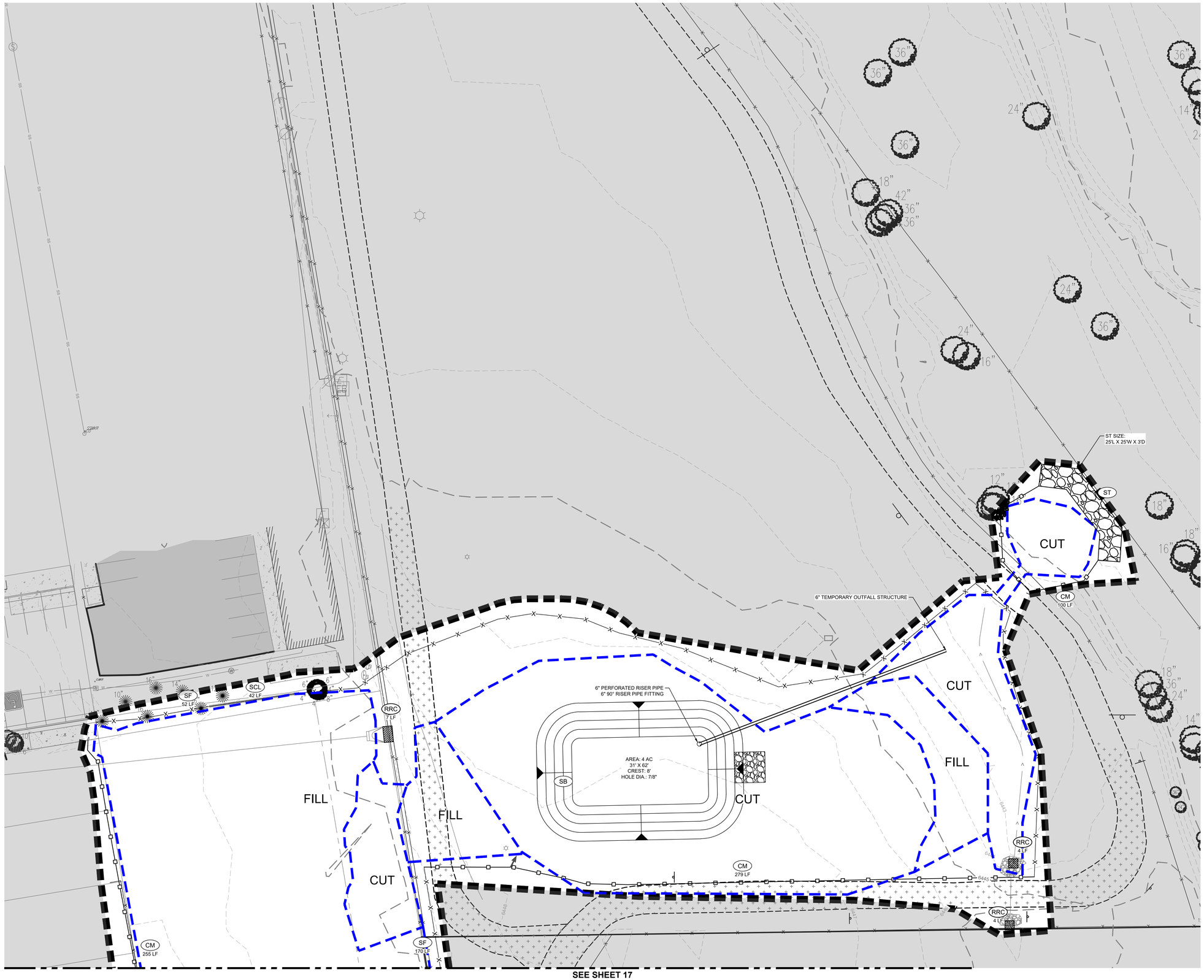
WATER P&P - RESTROOM WATER SERVICE

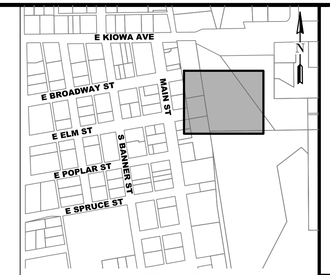
Know what's **below.** **Call** before you dig. 811

SHEET 15 OF

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1/30/2025 11:24 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS WATER R&P.DWG 1





KEY MAP

SCALE: 1" = 500'

N

0 20' 40'

1 inch = 20'

LEGEND

- OUTSIDE LIMITS OF CONSTRUCTION
- CD — CHECK DAM
- CWA — CONCRETE WASHOUT AREA
- CM — CONSTRUCTION MARKER
- CS — CURB SOCK / ROCK SOCK
- DD — DIVERSION DITCH
- ECB — EROSION CONTROL BLANKET
- IP — INLET PROTECTION
- RRC — REINFORCED ROCK BERM FOR CULVERT PROTECTION
- SB — TEMPORARY SEDIMENT BASIN
- SCL — SEDIMENT CONTROL LOG
- SF — SILT FENCE
- ST — SEDIMENT TRAP
- SM — SEEDING AND MULCHING
- SSA — STABILIZED STAGING AREA
- SR — SURFACE ROUGHENING
- VTC — VEHICLE TRACKING CONTROL
- LOC — LIMITS OF CONSTRUCTION

NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - INITIAL PLAN

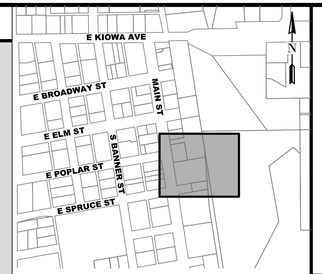
Know what's below. Call before you dig. 811

SHEET 16 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - INITIAL DWG 1

SEE SHEET 16





KEY MAP
SCALE: 1" = 500'

N

0 20' 40'

1 inch = 20'

LEGEND

- OUTSIDE LIMITS OF CONSTRUCTION
- CD — CHECK DAM
- CWA — CONCRETE WASHOUT AREA
- CM — CONSTRUCTION MARKER
- CS — CURB SOCK / ROCK SOCK
- DD — DIVERSION DITCH
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- SSA — STABILIZED STAGING AREA
- SR — SURFACE ROUGHENING
- VTC — VEHICLE TRACKING CONTROL
- LOC — LIMITS OF CONSTRUCTION

NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - INITIAL PLAN

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

SHEET 17 OF 24

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - INITIAL.DWG 2



LEGEND

- OUTSIDE LIMITS OF CONSTRUCTION
- CD — CHECK DAM
- CWA — CONCRETE WASHOUT AREA
- CM — CONSTRUCTION MARKER
- CS — CURB SOCK / ROCK SOCK
- DD — DIVERSION DITCH
- ECB — EROSION CONTROL BLANKET
- IP — INLET PROTECTION
- RRC — REINFORCED ROCK BERM FOR CULVERT PROTECTION
- SB — TEMPORARY SEDIMENT BASIN
- SCL — SEDIMENT CONTROL LOG
- SF — SILT FENCE
- ST — SEDIMENT TRAP
- SM — SEEDING AND MULCHING
- SSA — STABILIZED STAGING AREA
- SR — SURFACE ROUGHENING
- VTC — VEHICLE TRACKING CONTROL
- LOC — LIMITS OF CONSTRUCTION

NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - INTERIM PLAN

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

SHEET 18 OF 31

1/30/2025 11:24 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - INTERIM.DWG 1

SEE SHEET 18


CM
SF
SCL
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SSA
CWA
RRC
VTC
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6411



NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - FINAL PLAN

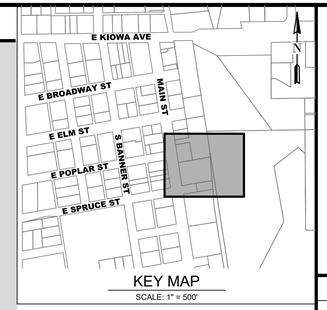
Know what's **below.** **Call** before you dig. 811

SHEET 20 OF 34

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - FINAL.DWG 1

SEE SHEET 20





KEY MAP
SCALE: 1" = 500'

N

0 20' 40'

1 inch = 20'

LEGEND

- OUTSIDE LIMITS OF CONSTRUCTION
- CD — CHECK DAM
- CWA — CONCRETE WASHOUT AREA
- CM — CONSTRUCTION MARKER
- CS — CURB SOCK / ROCK SOCK
- DD — DIVERSION DITCH
- ECB — EROSION CONTROL BLANKET
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- SR — SURFACE ROUGHENING
- VTC — VEHICLE TRACKING CONTROL
- LOC — LIMITS OF CONSTRUCTION

NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

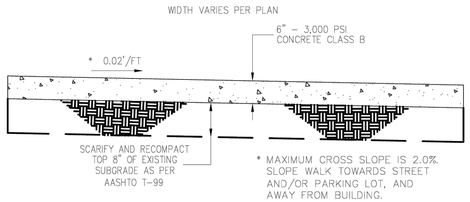
TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - FINAL PLAN

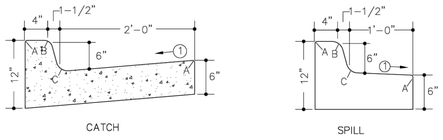
Know what's **below.** **Call** before you dig. 811

SHEET 21 OF 34

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS GESC - FINAL.DWG 2



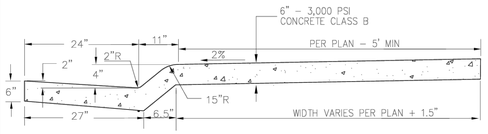
SIDEWALK DETAIL



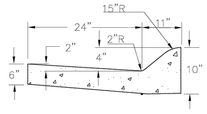
CURB DETAIL LEGEND	
A	RADIUS = 1/8"
B	RADIUS = 1-1/2"
C	RADIUS = 1-1/2" - 2"
1	CROSS SLOPE SHALL BE 1/2" PER FOOT WHEN DRAINING AWAY FROM CURB, AND 1" PER FOOT WHEN DRAINING TOWARD THE CURB

CURB DETAIL

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB, GUTTER, & SIDEWALK DETAILS	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-1A



COMBINATION CURB, GUTTER & SIDEWALK



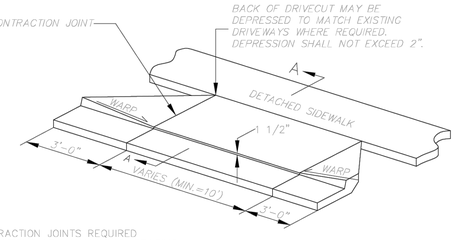
LOCAL MOUNTABLE CURB & GUTTER

NOTES:

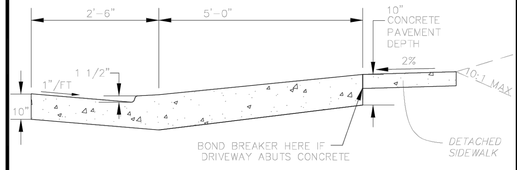
1) IF A SIDEWALK IS PLACED BEHIND THE CURB BUT IS NOT PLACED MONOLITHICALLY, EXPANSION JOINT MATERIAL AND A SILICONE BASE SEALER MUST BE APPLIED BETWEEN THE SIDEWALK AND CURB.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB, GUTTER, & SIDEWALK DETAILS	
SCALE: NOT TO SCALE DATE: 09/06/17	
APPROVED: CORE CONSULTANTS INC. TOWN ENGINEER	RD-1B

NOTE: CURBCUTS ARE TO BE PLACED MONOLITHIC WITH CURB & GUTTER.

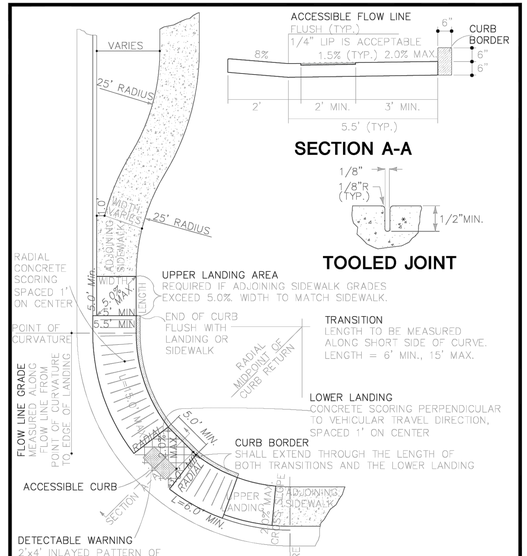


NOTE:
CONTRACTION JOINTS REQUIRED IN DRIVECUT AT MAXIMUM 10' SPACING



SECTION A-A

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
DRIVEWAY CUT DETAIL	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-2



TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
HANDICAP RAMP DETAIL	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-3A

NOTES

SLOPED TRANSITIONS SHALL COMPLY WITH ALL APPLICABLE RULES AND GUIDELINES OF THE AMERICANS WITH DISABILITIES ACT.

SLOPED TRANSITIONS SHALL BE CONSISTENT WITH THE CURRENT PUBLICATION OF FEDERAL GUIDELINES FOR ACCESSIBLE RIGHTS OF WAY.

LONGITUDINAL SLOPES WITHIN THE TRANSITION SHALL NOT EXCEED 1:12 (8.33%).

CROSS SLOPES, OR SLOPES PEPENDICULAR TO THE DIRECTION OF TRAVEL SHALL NOT EXCEED 1:50 (2.0%)

THE LOWER LANDING AREA IS A REQUIRED ELEMENT.
SLOPED TRANSITIONS ARE A REQUIRED ELEMENT AND SHALL:
A. NOT EXCEED 1:12 (8.3%) LONGITUDINAL SLOPE ALONG THE SHORTEST SIDE UNLESS TRANSITION LENGTH EXCEEDS 15.0'
B. NOT EXCEED 1:50 (2.0%) SLOPE PERPENDICULAR TO THE TRAVELED DIRECTION.
C. NOT EXCEED 15.0' IN LENGTH AS MEASURED ALONG THE SHORTEST SIDE. MAXIMUM LONGTITUDINAL SLOPE SHALL BE ADJUSTED TO ACCOMODATE THE LENGTH.
D. NOT BE LESS THAN 6.0' IN LENGTH.

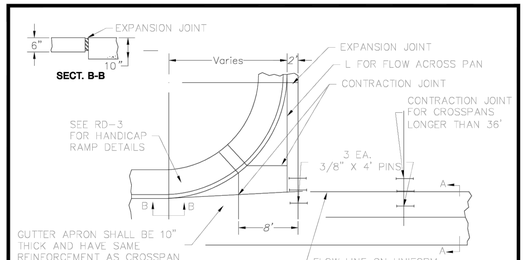
THE UPPER LANDING AREA IS REQUIRED IF:
A. THE ADJOINING SIDEWALK HAS A LONGITUDINAL GRADE (DIRECTION OF TRAVEL) IN EXCESS OF 1:20 (5.0%). SAID LANDING SHALL NOT EXCEED A 1:20 (5.0%) SLOPE IN ANY DIRECTION.
B. A CHANGE IN DIRECTION IS REQUIRED TO ENTER OF EXIT THE SLOPED TRANSITION. SAID LANDING SHALL SHALL NOT EXCEED 1:50 (2.0%) SLOPE IN ANY DIRECTION.

LANDINGS AND SLOPED TRANSITIONS SHALL MATCH THE WIDTH OF THE ADJOINING SIDEWALK, 3.0' MINIMUM.

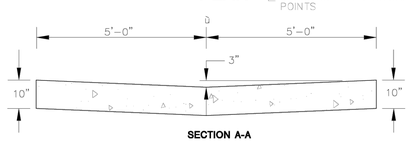
ALL TOOLED JOINTS WITHIN THE SLOPED TRANSITIONS SHALL RUN PERPENDICULAR TO THE DIRECTION OF TRAVEL.

ALL TOOLED JOINTS WITHIN THE LOWER LANDING AREA SHALL RUN PARALLEL TO AND/OR PERPENDICULAR TO THE DIRECTION OF VEHICULAR TRAVEL WITHIN THE TRAVELED WAY.

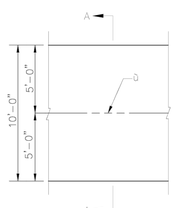
TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
HANDICAP RAMP DETAIL NOTES	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-3B



PLAN



SECTION A-A



PLAN

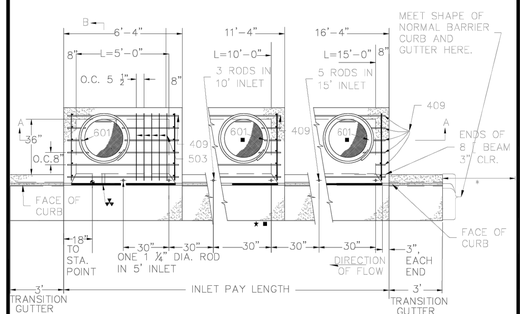
PAN LENGTH	REBAR HAVING END AREA OF
36'	.10 Sq. In. Per Ft. (#4 @ 18" E.W.)
46'	.13 Sq. In. Per Ft. (#4 @ 18" E.W.)
64'	.20 Sq. In. Per Ft. (#4 @ 18" E.W.)
84'	.26 Sq. In. Per Ft. (#4 @ 18" E.W.)

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CROSSPAN	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-4

■ADDITIONAL MANHOLE, RING AND COVER REQUIRED WHEN L=10' OR MORE. CUT REINFORCEMENT BAR ACCORDINGLY.

☘A 2" DIAMETER TEMPORARY HOLE FOR DRAINAGE SHALL BE PLACED AT SUBGRADE ELEVATION OR A MINIMUM THREE INCHES BELOW ROAD BASE. THE HOLE SHALL BE PLUGGED WITH CONCRETE BEFORE ACCEPTANCE OF THE INLET.

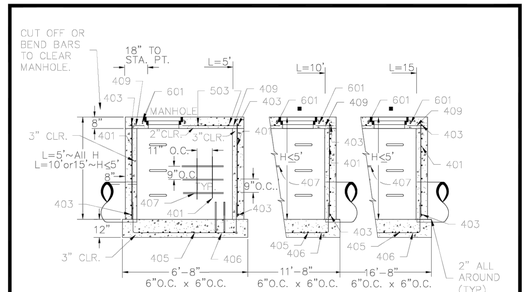
* FOR LENGTH GREATER THEN 5 FT. PROVIDE ACCESS AT BOTH ENDS.



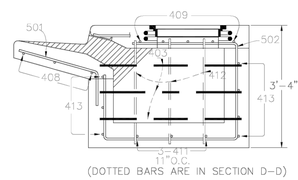
TYPICAL PLAN VIEW

NOTE:
MANHOLE RING & COVER, STATION POINT AND OUTFLOW PIPE SHALL BE LOCATED AT THE SAME END OF THE INLET.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET - TYPE R	
SCALE: NOT TO SCALE DATE: 02/10/09	
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SECTION A-A REGULAR INLET



(DOTTED BARS ARE IN SECTION D-D)

SECTIONS C-C & D-D

■ADDITIONAL MANHOLE, RING AND COVER REQUIRED WHEN L=10' OR MORE. CUT REINFORCEMENT BAR ACCORDINGLY.

NOTE:
MANHOLE RING & COVER, STATION POINT AND OUTFLOW PIPE SHALL BE LOCATED AT THE SAME END OF THE INLET.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET - TYPE R	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5B

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph. 303.632.8867

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1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

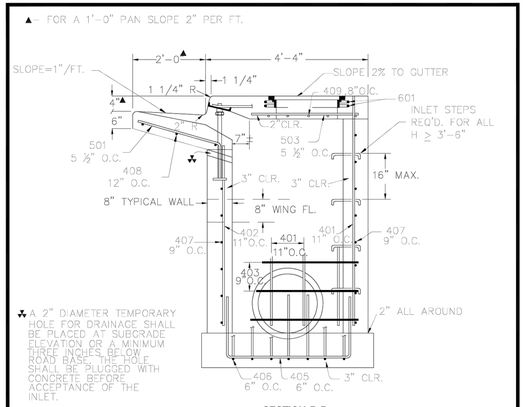
NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

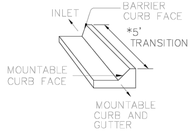
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SHEET 22 OF 24

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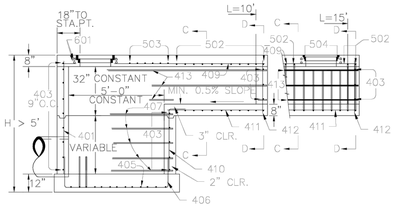


SECTION B-B
TYPICAL END VIEW

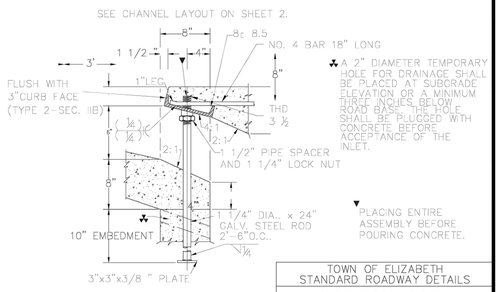


TRANSITION CURB

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET – TYPE R	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5C

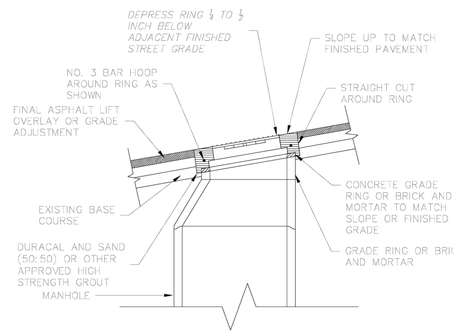


SECTION A-A
INLET WITH DROP BOX~H>5'



CURB FACE ASSEMBLY

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET – TYPE R	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5D



NOTES:
1. ADEQUATE BARRICADES SHALL BE PLACED AND MAINTAINED UNTIL THE COLLAR ATTAINS A COMPRESSIVE STRENGTH OF 3000 PSI.
2. DURACAL GROUT SHALL BE A MIXTURE OF 100 LBS. DURACAL, 26 LBS. WATER (3.12 GAL.) AND 100 LBS. OF SAND CONFORMING TO ASTM C-35.
3. MANHOLES SHALL NOT BE LOCATED IN CROSSPANS OR GUTTERS

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
MANHOLE RING AND COVER	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-7

THE FOLLOWING NOTES ARE APPLICABLE TO ALL ROADWAY SECTIONS IDENTIFIED ON THE FOLLOWING PAGES (LOCAL, MINOR COLLECTOR, MAJOR COLLECTOR, MINOR ARTERIAL AND MAJOR ARTERIAL), UNLESS MODIFICATIONS ARE APPROVED IN WRITING BY THE DIRECTOR OF PUBLIC WORKS.

NOTES:

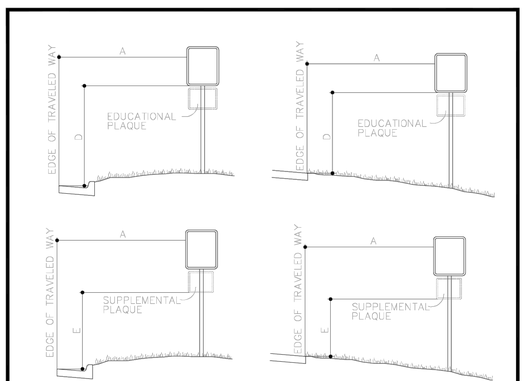
1. GUTTERS SHALL BE AT LEAST 6" THICK.
2. ALL COMBINATION CURB, GUTTER, AND SIDEWALKS TO BE 6" THICK (MIN.). SIDEWALKS WITH VERTICAL CURB AND GUTTER MAY BE 4" THICK.
3. TOTAL PAVEMENT THICKNESS TO BE DETERMINED BY PAVEMENT DESIGN PROCEDURES IN SECTION 5.4.
4. PLACEMENT, MOISTURE AND DENSITY CONTROL FOR SUBGRADE, SUBBASE AND SURFACING MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF CHAPTER 8 OF THE ROADWAY DESIGN AND CONSTRUCTION STANDARDS.
5. NON-LANDSCAPED MEDIAN ISLANDS SHALL BE COVERED WITH AN ACCEPTABLE IMPERMEABLE SURFACE.
6. LEGEND

P = PARKING ALLOWED

NP = NO PARKING ALLOWED

▲ = LANEAGE

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
STREET CROSS SECTIONS NOTES	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-8

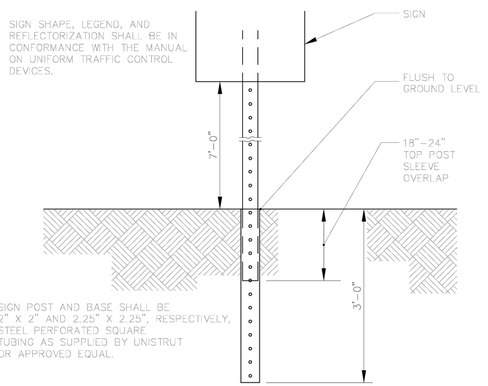


LATERAL PLACEMENT				
KEY	LOCAL STREETS		COLLECTORS & ARTERIALS	
	MINIMUM	NORMAL	MINIMUM	NORMAL
A	8'–0"	12'–0"	10'–0"	14'–0"

VERTICAL PLACEMENT			
KEY	URBAN		RURAL
	W/ SIDEWALKS	W/OUT SIDEWALKS	W/OUT SIDEWALKS
D	7'–0"	7'–0"	9'–0"
E	7'–0"	6'–0"	4'–0"

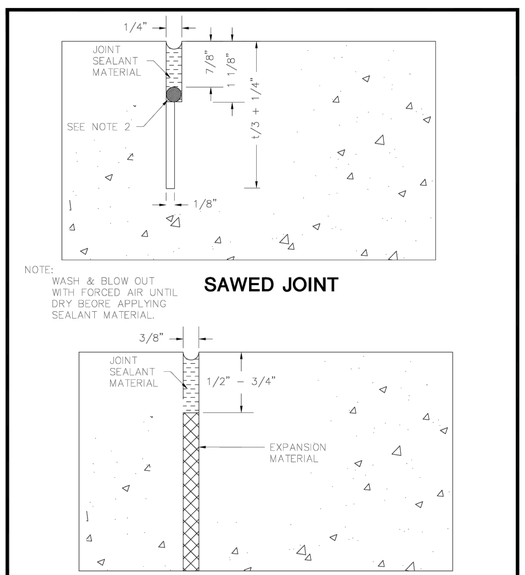
REGULATION SIGN PLACEMENT

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
REGULATION SIGN PLACEMENT	
SCALE: NOT TO SCALE	DATE: 02/10/09
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SIGN BASE DETAIL

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
SIGN BASE DETAIL	
SCALE: NOT TO SCALE	DATE: 02/10/09
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NOTE:
WASH & BLOW OUT WITH FORCED AIR UNTIL DRY BEORE APPLYING SEALANT MATERIAL.

SAWED JOINT

EXPANSION JOINT

NOTE:
JOINT SEALANT MATERIAL MUST MEET ASTM 3406, NYLON ROPE OR OPEN CEL POLYURETHANE STRAND.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
SAWED JOINT AND EXPANSION JOINT	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-20

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2	2ND SUBMITTAL	01/17/2025	MM

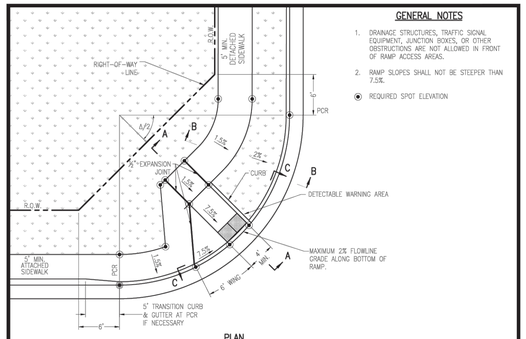
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MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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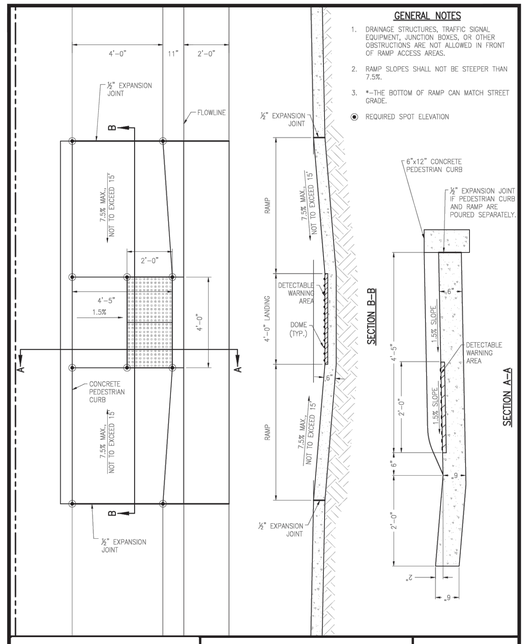
SHEET 23 OF

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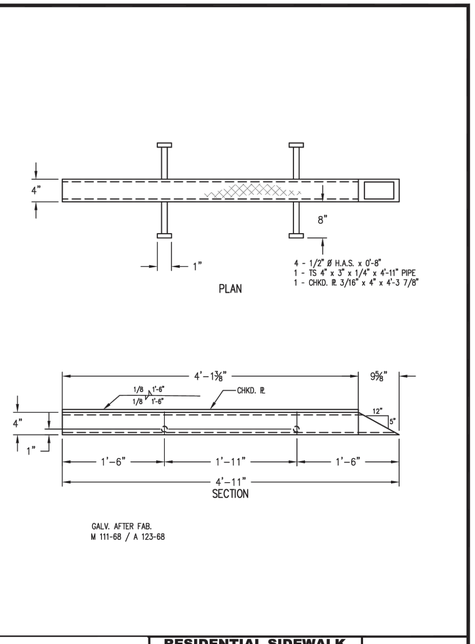
CURB RAMP FOR CURB RETURN RADIUS OF 20' TO 30'

Issued: 05/2013
Revised: 07/2021
Drawing No. **SP.19a**



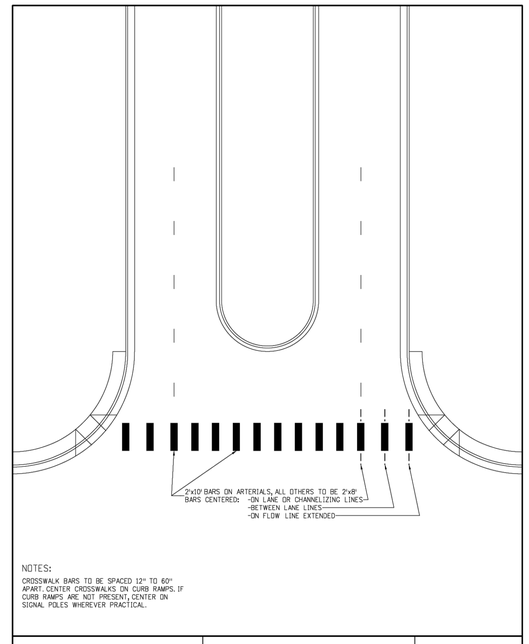
MID-BLOCK CURB RAMP

Issued: 05/2013
Revised: 07/2020
Drawing No. **SP.20**



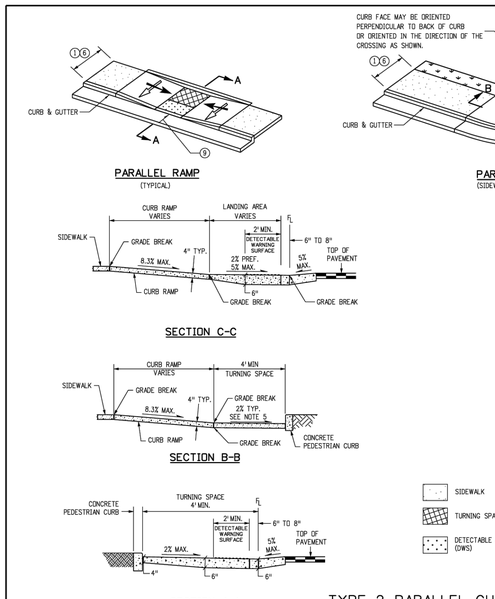
RESIDENTIAL SIDEWALK CURB CHASE DETAIL

Issued: 05/2013
Revised:
Drawing No. **SP.53b**



TYPICAL CROSSWALK MARKING

Issued: 6/15/2022
Revised:
Standard Drawing No. **SS.6**



PARALLEL RAMP NOTES

1. RAMP WIDTH - PROVIDE A RAMP WIDTH EQUAL TO THE ADJOINING SIDEWALK, PROVIDE 4 FT. WIDTH MINIMUM. RAMPS SERVICING SHARED USE PATHS SHALL MATCH THE WIDTH OF THE PATH.
2. RAMP RUNNING SLOPE - 8.3% MAX.
3. RAMP CROSS SLOPE - 2.0% MAX.
4. TURNING SPACE RUNNING SLOPE - 2.0% MAX. TURNING SPACE RUNNING SLOPE IS MEASURED PERPENDICULAR TO THE BACK OF CURB.
5. TURNING SPACE CROSS SLOPE - 2.0% TYPICAL, AT CROSSINGS WITHOUT YIELD OR STOP CONTROL, OR WITH A SIGNAL WHERE VEHICLES CAN PROCEED THROUGH THE INTERSECTION WITHOUT SLOWING OR STOPPING, THE CROSS SLOPE OF THE TURNING SPACE MAY EQUAL THE HIGHWAY GRADE. AT MIDBLOCK PEDESTRIAN STREET CROSSINGS THE TURNING SPACE CROSS SLOPE MAY EQUAL THE HIGHWAY GRADE. TURNING SPACE CROSS SLOPE IS MEASURED IN THE DIRECTION OF THE RAMP RUN.
6. TURNING SPACE DIMENSIONS - PROVIDE A TURNING SPACE AT THE BOTTOM OF PARALLEL RAMPS WITH A WIDTH EQUAL TO THE WIDTH OF THE CURB RAMP. PROVIDE 4 FT. MINIMUM, MEASURED IN THE DIRECTION OF THE RAMP RUN. IF THE TURNING SPACE IS CONSTRAINED ON TWO SIDES, PROVIDE 5 FT. MEASURED IN THE DIRECTION OF PEDESTRIAN STREET CROSSING. THE TURNING SPACE MAY CONTAIN THE DETECTABLE WARNING SURFACE.
7. RAMP ALIGNMENT - RAMPS SHALL BE ALIGNED SO THE TURNING SPACE IS FULLY CONTAINED WITHIN THE CROSSWALK OR STREET CROSSING THEY SERVE. PROVIDE ONE RAMP FOR EACH STREET CROSSING DIRECTION. IN ALTERATIONS, WHERE EXISTING PHYSICAL CONSTRAINTS PREVENT PROVIDING ONE CURB RAMP FOR EACH CROSSING DIRECTION, A SINGLE DIAGONAL CURB RAMP (ON THE APEX OF A CORNER) SHALL BE PERMITTED TO SERVE BOTH PEDESTRIAN STREET CROSSINGS. DIAGONAL RAMPS ARE NOT ACCEPTABLE IN NEW CONSTRUCTION, OR FULL-DEPTH RECONSTRUCTION.
8. RAMP LENGTH - PARALLEL RAMP LENGTH IS DEPENDENT UPON THE RAMP SLOPE AND THE CHANGE OF ELEVATION FROM THE TURNING SPACE TO THE SIDEWALK. WHERE TERRAIN IS SLOPING A RAMP IS NOT REQUIRED TO CHASE GRADE MORE THAN 15 FT. REGARDLESS OF THE RESULTING RAMP SLOPE.
9. GUTTER COUNTER SLOPE - 5.0% MAX.

TYPE 2 PARALLEL CURB RAMPS

Computer File Information		Sheet Revisions	
Creation Date: 07/31/19		Date:	Comments
Designer Initials: JBK			
Last Modification Date: 07/31/19			
Detailer Initials: LTA			
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English			

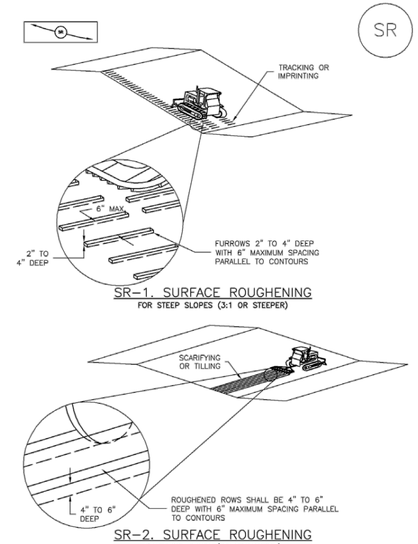
Colorado Department of Transportation
2829 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868
Project Development Branch JBK

CURB RAMPS

Issued by the Project Development Branch: July 31, 2019

STANDARD PLAN NO.
M-608-1
Standard Sheet No. 4 of 10
Project Sheet Number:

Surface Roughening (SR) EC-1



terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
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NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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SHEET 24 OF 24

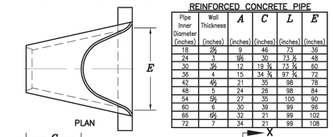
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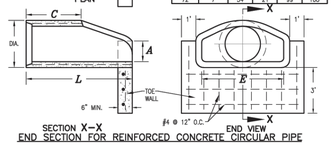
GENERAL NOTES

1. DIMENSIONS OF END SECTIONS MAY VARY SLIGHTLY FROM THOSE SHOWN ON THE TABLES DUE TO DIFFERENT MANUFACTURER'S VARIATIONS.
2. CONCRETE END SECTIONS ARE TO BE FURNISHED WITH TONGUE OR GROOVE AS REQUIRED.
3. DESIGN LENGTH OF CULVERT OR SIDE DRAIN IS BASED ON LENGTH OF END SECTION SHOWN IN TABLE. ANY ADDITIONAL PIPE REQUIRED TO PROVIDE THE DESIGN LENGTH SHALL BE FURNISHED BY AND AT THE EXPENSE OF THE CONTRACTOR.
4. INSIDE CONFIGURATION AND JOINT OF CONCRETE END SECTION END PIPE SHALL MATCH.
5. END SECTIONS FOR CMP ARCH CULVERT SHALL MATCH THE DIMENSIONS OF THE CULVERT SHOWN ON THE PLANS.
6. GALVANIZED TOE PLATE AS SHOWN, WILL BE REQUIRED ON END SECTIONS FOR CORRUGATED STEEL PIPE AND SHALL BE THE SAME THICKNESS AS END SECTIONS. TOE PLATE SHALL BE FIELD-BOLTED TO END SECTION WITH ⅜" GALVANIZED BOLTS, NUTS AND WASHERS.
7. GALVANIZED STEEL SHALL BE IN CONFORMANCE WITH AASHTO M 111, M 218 OR M 232.
8. FOR TYPE SD END SECTIONS, BARS SHALL BE FABRICATED FROM NPS-3 GALVANIZED STEEL SCHEDULE 40 PIPE WHICH SHALL BE IN CONFORMANCE WITH ASTM A 53.
9. FOR A TYPE SD END SECTION, THE INSTALLATION OF ALTERNATIVE 1 OR ALTERNATIVE 2 END SECTION SHALL BE THE CONTRACTOR'S OPTION.
10. CONCRETE PIPE JOINT FASTENERS SHALL BE INSTALLED AT THE FLARED END SECTION AND LAST TWO PIPE JOINTS OF ALL RCP OUTFALLS.
11. CONNECTIONS OF METAL END SECTIONS TO PLASTIC PIPE SHALL BE APPROVED BY THE ENGINEER.
12. CLASS D CONCRETE TOE WALLS ARE REQUIRED AT THE ENDS OF ALL FLARED END SECTIONS.

REINFORCED CONCRETE PIPE

Pipe Inner Diameter (inches)	Wall Thickness (inches)	A (inches)	C (inches)	L (inches)	E (inches)
18	2½	9	46	73	38
24	3	9½	30	73 ⅜	48
30	3½	12	19 ⅜	72 ⅜	60
36	4	15	34 ⅝	97 ⅜	72
42	4½	21	35	98	78
48	5	24	28	98	84
54	5½	27	35	100	90
60	6	30	39	99	96
66	6½	32	21	99	102
72	7	34	21	99	108

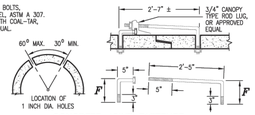




SECTION X–X
END SECTION FOR REINFORCED CONCRETE CIRCULAR PIPE

3/4 INCH GALVANIZED ANCHOR BOLTS, NUTS AND WASHERS, MILD STEEL, ASTM A 307. ROD LUG SHALL BE COATED WITH COAL-TAR, EPOXY PAINT OR APPROVED EQUAL.

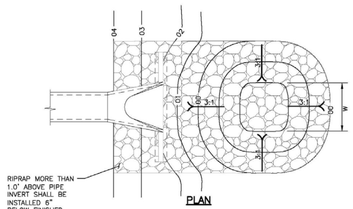
PIPE DIAMETER (inches)	F
18 – 30	5
36 – 42	6
48 – 60	7
72 – 84	9

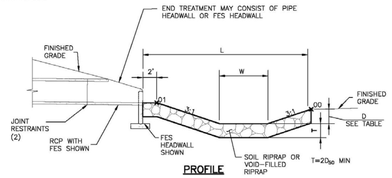


CONCRETE JOINT FASTENER
(TWO PER JOINT)

CONCRETE OR METAL END SECTIONS

Issued: 05/2013
Revised: 09/2017
Drawing No. **SP.52a**

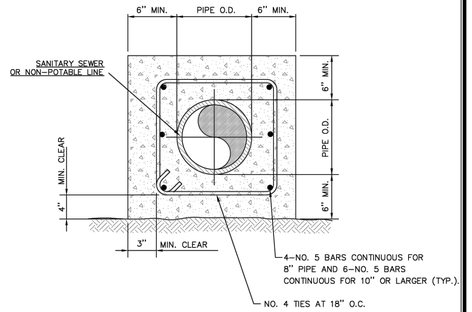




PIPE SIZE OR BOX HEIGHT	D	W*	L
18" – 24"	1'–0"	4'	15'
30" – 36"	1'–6"	6'	20'
42" – 48"	2'–0"	7'	24'
54" – 60"	2'–6"	8'	28'
66" – 72"	3'–0"	9'	32'

* IF OUTLET PIPE IS A BOX CULVERT WITH A WIDTH GREATER THAN W, THEN W = CULVERT WIDTH

Figure 9-37. Low tailwater riprap basin



PIPE ENCASEMENT DETAIL

NOTE:

1. CONCRETE SHALL NOT BE LEANER THAN 1 CEMENT; 2–1/2 SAND; 5 STONE AND SHALL NOT HAVE LESS THAN 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. PLACE CONCRETE AGAINST EITHER SOLID FORMWORK OR UNDISTURBED SOIL.
3. USE GR. 40 REINFORCING BARS.
4. USE ONLY IF SANITARY SEWER IS BELOW THE WATER LINE. DO NOT PLACE OR SPILL CONCRETE ON WATER LINE.

Pipe Encasement Detail

THESE DETAILS ARE PROVIDED FOR STANDARDIZATION PURPOSES ONLY. THIS DETAIL REPRESENTS MINIMUM DESIGN STANDARDS WHICH MAY REQUIRE UPGRADING FOR SPECIFIC APPLICATIONS. REFER TO TOWN OF FRASER MINIMUM DESIGN CRITERIA AND CONSTRUCTION STANDARDS FOR SPECIFIC MATERIAL AND INSTALLATION REQUIREMENTS.

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Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 25 OF 34

1/30/2025 11:25 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILS.DWG 10

Description

Temporary seeding can be used to stabilize disturbed areas that will be inactive for an extended period. Permanent seeding should be used to stabilize areas at final grade that will not be otherwise stabilized. Effective seeding includes preparing a seedbed, selecting an appropriate seed mixture, using proper planting techniques, and protecting the seeded area with mulch, geotextiles, or other appropriate measures.



Photograph TS/PS -1. Equipment used to drill seed. Photo courtesy of Douglas County.

Appropriate Uses

When the soil surface is disturbed and will remain inactive for an extended period (typically determined by local government requirements), proactive stabilization measures, including planting a temporary seed mix, should be implemented. If the inactive period is short-lived (on the order of two weeks), techniques such as surface roughening may be appropriate. For longer periods of inactivity of up to one year, temporary seeding and mulching can provide effective erosion control. Permanent seeding should be used on finished areas that have not been otherwise stabilized.

The USDCM Volume 2 *Revegetation* Chapter contains suggested annual grains and native seed mixes to use for temporary seeding. Alternatively, local governments may have their own seed mixes and timelines for seeding. Check jurisdictional requirements for seeding and temporary stabilization.

Design and Installation

Effective seeding requires proper seedbed preparation, selecting an appropriate seed mixture, using appropriate seeding equipment to ensure proper coverage and density, and protecting seeded areas with mulch or fabric until plants are established.

The USDCM Volume 2 *Revegetation* Chapter contains detailed seed mixes, soil preparation practices, and seeding and mulching recommendations that should be referenced to supplement this Fact Sheet.

Drill seeding is the preferred seeding method. Hydroseeding is not recommended except in areas where steep slopes prevent use of drill seeding equipment, and even in these instances it is preferable to hand seed and mulch. Some jurisdictions do not allow hydroseeding or hydromulching.

Temporary and Permanent Seeding	
Functions	
Erosion Control	Yes
Sediment Control	No
Site/Material Management	No

Seedbed Preparation

Prior to seeding, ensure that areas to be revegetated have soil conditions capable of supporting vegetation. Overlot grading can result in loss of topsoil and compaction, resulting in poor quality subsoils at the ground surface that

have low nutrient value, little organic matter content, few soil microorganisms, rooting restrictions, and conditions less conducive to infiltration of precipitation. As a result, it is typically necessary to provide stockpiled topsoil, compost, or other soil amendments and rototill them into the soil to a depth of 6 inches or more.

Topsoil should be salvaged during grading operations for use and spread on areas to be revegetated later. Topsoil should be viewed as an important resource to be utilized for vegetation establishment, due to its water-holding capacity, structure, texture, organic matter content, biological activity, and nutrient content. The rooting depth of most native grasses in the semi-arid Denver metropolitan area is 6 to 18 inches. If present, at a minimum of the upper 6 inches of topsoil should be stripped, stockpiled, and ultimately respread across areas that will be revegetated.

Where topsoil is not available, subsoils should be amended to provide an appropriate plant-growth medium. Organic matter, such as well digested compost, can be added to improve soil characteristics conducive to plant growth. Other treatments can be used to adjust soil pH conditions when needed. Soil testing, which is typically inexpensive, should be completed to determine and optimize the types and amounts of amendments that are required.

If the disturbed ground surface is compacted, rip or rototill the upper 12 inches of the surface prior to placing topsoil. If adding compost to the existing soil surface, rototilling is necessary. Surface roughening will assist in placing a stable topsoil layer on steeper slopes, and allow infiltration and root penetration to greater depth. Topsoil should not be placed when either the salvaged topsoil or receiving ground are frozen or snow covered.

Prior to seeding, the soil surface should be rough and the seedbed should be firm, but neither too loose nor compacted. The upper layer of soil should be in a condition suitable for seeding at the proper depth and conducive to plant growth. Seed-to-soil contact is the key to good germination.

Refer to MHFD's Topsoil Management Guidance for detailed information on topsoil assessment, design, and construction.

Temporary Vegetation

To provide temporary vegetative cover on disturbed areas which will not be paved, built upon, or fully landscaped or worked for an extended period (typically 30 days or more), plant an annual grass appropriate for the time of planting and mulch the planted areas. Temporary grain seed mixes suitable for the Denver metropolitan area are listed in Table TS/PS-1. Native temporary seed mixes are provided in USDCM Volume 2, Chapter 13, Appendix A. These are to be considered only as general recommendations when specific design guidance for a particular site is not available. Local governments typically specify seed mixes appropriate for their jurisdiction.

Permanent Revegetation

To provide vegetative cover on disturbed areas that have reached final grade, a perennial grass mix should be established. Permanent seeding should be performed promptly (typically within 14 days) after reaching final grade. Each site will have different characteristics and a landscape professional or the local jurisdiction should be contacted to determine the most suitable seed mix for a specific site. In lieu of a specific recommendation, one of the perennial grass mixes appropriate for site conditions and growth season listed in seed mix tables in the USDCM Volume 2 *Revegetation* Chapter can be used. The pure live seed (PLS) rates of application recommended in these tables are considered to be absolute minimum rates for seed applied using proper drill-seeding equipment. These are to be considered only as general

recommendations when specific design guidance for a particular site is not available. Local governments typically specify seed mixes appropriate for their jurisdiction.

If desired for wildlife habitat or landscape diversity, shrubs such as rubber rabbitbrush (*Chrysothamnus nauseosus*), fourwing saltbush (*Atriplex canescens*) and skunkbrush sumac (*Rhus trilobata*) could be added to the upland seed mixes at 0.25, 0.5 and 1 pound PLS/acre, respectively. In riparian zones, planting root stock of such species as American plum (*Prunus americana*), woods rose (*Rosa woodsii*), plains cottonwood (*Populus sargentii*), and willow (*Salix spp.*) may be considered. On non-topsoiled upland sites, a legume such as Ladak alfalfa at 1 pound PLS/acre can be included as a source of nitrogen for perennial grasses.

Timing of seeding is an important aspect of the revegetation process. For upland and riparian areas on the Colorado Front Range, the suitable timing for seeding is from October through May. The most favorable time to plant non-irrigated areas is during the fall, so that seed can take advantage of winter and spring moisture. Seed should not be planted if the soil is frozen, snow covered, or wet.

Seeding dates for the highest success probability of perennial species along the Front Range are generally in the spring from April through early May and in the fall after the first of September until the ground freezes. If the area is irrigated, seeding may occur in summer months, as well. See Table TS/PS-2 for appropriate seeding dates.

Table TS/PS-1. Minimum Drill Seeding Rates for Various Temporary Annual Grasses

Species[a] (Common name)	Growth Season[b]	Pounds of Pure Live Seed (PLS)/acre[c]	Planting Depth (inches)
1. Oats	Cool	35 - 50	1 - 2
2. Spring wheat	Cool	25 - 35	1 - 2
3. Spring barley	Cool	25 - 35	1 - 2
4. Annual ryegrass	Cool	10 - 15	½
5. Millet	Warm	3 - 15	½ - ¾
6. Winter wheat	Cool	20–35	1 - 2
7. Winter barley	Cool	20–35	1 - 2
8. Winter rye	Cool	20–35	1 - 2
9. Triticale	Cool	25–40	1 - 2

[a] Successful seeding of annual grass resulting in adequate plant growth will usually produce enough dead-plant residue to provide protection from wind and water erosion for an additional year. This assumes that the cover is not disturbed or mowed closer than 8 inches.

Hydraulic seeding may be substituted for drilling only where slopes are steeper than 3:1 or where access limitations exist. When hydraulic seeding is used, hydraulic mulching should be applied as a separate operation, when practical, to prevent the seeds from being encapsulated in the mulch.

[b] See Table TS/PS-2 for seeding dates. Irrigation, if consistently applied, may extend the use of cool season species during the summer months.

[c] Seeding rates should be doubled if seed is broadcast, or increased by 50 percent if done using a Brillion Drill or by hydraulic seeding.

Table TS/PS-2. Seeding Dates for Annual and Perennial Grasses

	Annual Grasses (Numbers in table reference species in Table TS/PS-1)		Perennial Grasses	
Seeding Dates	**Warm**	**Cool**	**Warm**	**Cool**
January 1–March 15			✓	✓
March 16–April 30		1,2,3	✓	✓
May 1–May 15			✓	
May 16–June 30	5			
July 1–July 15	5			
July 16–August 31				
September 1–September 30		6, 7, 8, 9		
October 1–December 31			✓	✓

Mulch

Cover seeded areas with mulch or an appropriate rolled erosion control product to promote establishment of vegetation. Anchor mulch by crimping, netting or use of a non-toxic tackifier. See the USDCM Volume 2 *Revegetation* Chapter and Volume 3 Mulching BMP Fact Sheet (EC-04) for additional guidance.

Maintenance and Removal

Monitor and observe seeded areas to identify areas of poor growth or areas that fail to germinate. Reseed and mulch these areas, as needed.

If a temporary annual seed was planted, the area should be reseeded with the desired perennial mix when there will be no further work in the area. To minimize competition between annual and perennial species, the annual mix needs time to mature and die before seeding the perennial mix. To increase success of the perennial mix, it should be seeded during the appropriate seeding dates the second year after the temporary annual mix was seeded. Alternatively, if this timeline is not feasible, the annual mix seed heads should be removed and then the area seeded with the perennial mix.

An area that has been permanently seeded should have a good stand of vegetation within one growing season if irrigated and within three growing seasons without irrigation in Colorado. Reseed portions of the site that fail to germinate or remain bare after the first growing season.

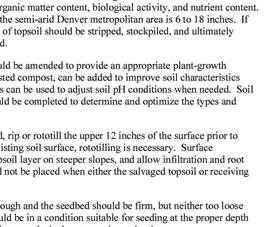
Seeded areas may require irrigation, particularly during extended dry periods. Targeted weed control may also be necessary.

Protect seeded areas from construction equipment and vehicle access.

Description

Mulching consists of evenly applying straw, hay, shredded wood mulch, rock, bark or compost to disturbed soils and securing the mulch by crimping, tackifiers, netting or other measures. Mulching helps reduce erosion by protecting bare soil from rainfall impact, increasing infiltration, and reducing runoff. Although often applied in conjunction with temporary or permanent seeding, it can also be used for temporary stabilization of areas that cannot be reseeded due to seasonal constraints.

Mulch can be applied either using standard mechanical dry application methods or using hydromulching equipment that hydraulically applies a slurry of water, wood fiber mulch, and often a tackifier.



Photograph MU-1. An area that was recently seeded, mulched, and crimped.

Appropriate Uses

Use mulch in conjunction with seeding to help protect the seedbed and stabilize the soil. Mulch can also be used as a temporary cover on low to mild slopes to help temporarily stabilize disturbed areas where growing season constraints prevent effective reseeding. Disturbed areas should be properly mulched and tacked, or seeded, mulched and tacked promptly after final grade is reached (typically within no longer than 14 days) on portions of the site not otherwise permanently stabilized.

Standard dry mulching is encouraged in most jurisdictions; however, hydromulching may not be allowed in certain jurisdictions or may not be allowed near waterways.

Do not apply mulch during windy conditions.

Design and Installation

Prior to mulching, surface-roughen areas by rolling with a crimping or punching type roller or by track walking. Track walking should only be used where other methods are impractical because track walking with heavy equipment typically compacts the soil.

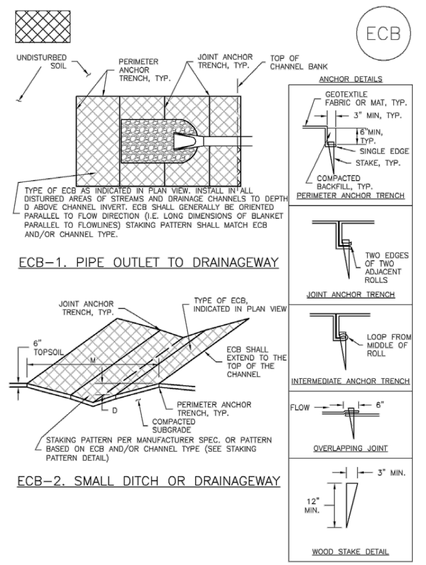
A variety of mulches can be used effectively at construction sites. Consider the following:

Mulch	
Functions	
Erosion Control	Yes
Sediment Control	Moderate
Site/Material Management	No

- Clean, weed-free and seed-free cereal grain straw should be applied evenly at a rate of 2 tons per acre and must be tacked or fastened by a method suitable for the condition of the site. Straw mulch must be anchored (and not merely placed) on the surface. This can be accomplished mechanically by crimping or with the aid of tackifiers or nets. Anchoring with a crimping implement is preferred, and is the recommended method for areas flatter than 3:1. Mechanical crimpers must be capable of tucking the long mulch fibers into the soil to a depth of 3 inches without cutting them. An agricultural disk, while not an ideal substitute, may work if the disk blades are dull or blunted and set vertically; however, the frame may have to be weighted to afford proper soil penetration.
- Grass hay may be used in place of straw; however, because hay is comprised of the entire plant including seed, mulching with hay may seed the site with non-native grass species which might in turn out-compete the native seed. Alternatively, native species of grass hay may be purchased, but can be difficult to find and are more expensive than straw. Purchasing and utilizing a certified weed-free straw is an easier and less costly mulching method. When using grass hay, follow the same guidelines as for straw (provided above).
- On small areas sheltered from the wind and heavy runoff, spraying a tackifier on the mulch is satisfactory for holding it in place. For steep slopes and special situations where greater control is needed, erosion control blankets anchored with stakes should be used instead of mulch.
- Hydraulic mulching consists of wood cellulose fibers mixed with water and a tackifying agent and should be applied at a rate of no less than 1,500 pounds per acre (1,425 lbs of fibers mixed with at least 75 lbs of tackifier) with a hydraulic mulcher. For steeper slopes, up to 2000 pounds per acre may be required for effective hydroseeding. Hydromulch typically requires up to 24 hours to dry; therefore, it should not be applied immediately prior to inclement weather. Application to roads, waterways and existing vegetation should be avoided.
- Erosion control mats, blankets, or nets are recommended to help stabilize steep slopes (generally 3:1 and steeper) and waterways. Depending on the product, these may be used alone or in conjunction with grass or straw mulch. Normally, use of these products will be restricted to relatively small areas. Biodegradable mats made of straw and jute, straw-coconut, coconut fiber, or excelsior can be used instead of mulch. (See the ECM/TRM BMP for more information.)
- Some tackifiers or binders may be used to anchor mulch. Check with the local jurisdiction for allowed tackifiers. Manufacturer's recommendations should be followed at all times. (See the Soil Binder BMP for more information on general types of tackifiers.)
- Rock can also be used as mulch. It provides protection of exposed soils to wind and water erosion and allows infiltration of precipitation. An aggregate base course can be spread on disturbed areas for temporary or permanent stabilization. The rock mulch layer should be thick enough to provide full coverage of exposed soil on the area it is applied.

Maintenance and Removal

After mulching, the bare ground surface should not be more than 10 percent exposed. Reapply mulch, as needed, to cover bare areas.



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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

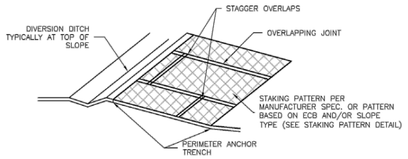
NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

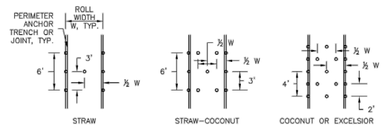
Know what's below. Call before you dig. 811

SHEET 26 OF

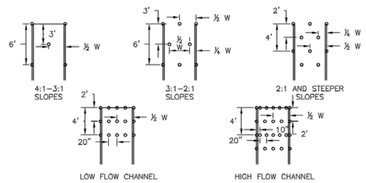
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ECB–3. OUTSIDE OF DRAINAGEWAY



STAKING PATTERNS BY ECB TYPE



STAKING PATTERNS BY SLOPE OR CHANNEL TYPE

EROSION CONTROL BLANKET INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF ECB.
   –TYPE OF ECB (STRAW, STRAW–COCONUT, COCONUT, OR EXCELSIOR).
   –AREA, A, IN SQUARE YARDS OF EACH TYPE OF ECB.

2. 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECPs, ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.

3. IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.

4. PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.

5. JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.

6. INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE–HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECBs.

7. OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES.

8. MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB–1.

9. ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBS SHALL BE RESEEDED AND MULCHED.

10. DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

TABLE ECB–1. ECB MATERIAL SPECIFICATIONS

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING**
STRAW*	–	100%	–	DOUBLE/ NATURAL
STRAW–COCONUT	30% MIN	70% MAX	–	DOUBLE/ NATURAL
COCONUT	100%	–	–	DOUBLE/ NATURAL
EXCELSIOR	–	–	100%	DOUBLE/ NATURAL

*STRAW ECBs MAY ONLY BE USED OUTSIDE OF STREAMS AND DRAINAGE CHANNEL.
**ALTERNATE NETTING MAY BE ACCEPTABLE IN SOME JURISDICTIONS

EROSION CONTROL BLANKET MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

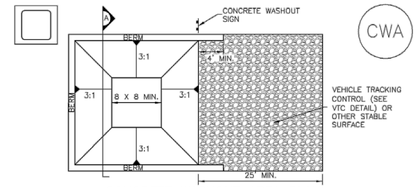
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.

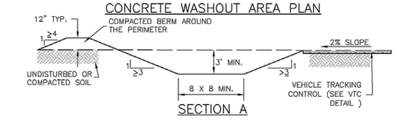
5. ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATED A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER COLORADO, NOT AVAILABLE IN AUTOCAD)



CONCRETE WASHOUT AREA PLAN



SECTION A

CWA–1. CONCRETE WASHOUT AREA

CWA INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –CWA INSTALLATION LOCATION.

2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (16 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.

3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.

4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.

5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.

6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.

7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.

8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

CWA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.

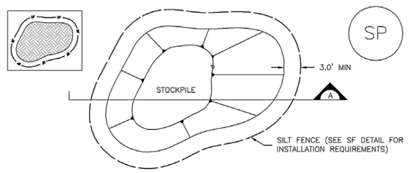
5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER–TIGHT CONTAINER AND DISPOSED OF PROPERLY.

6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.

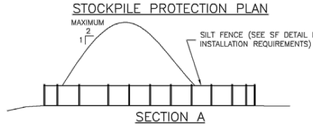
7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD).

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



STOCKPILE PROTECTION PLAN



SECTION A

SP–1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF STOCKPILES.
   –TYPE OF STOCKPILE PROTECTION.

2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.

3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30–60 DAYS).

4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

STOCKPILE PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

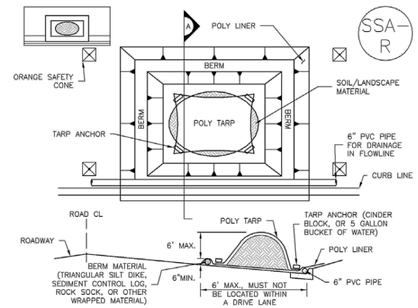
STOCKPILE PROTECTION MAINTENANCE NOTES

4. IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.

5. STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

(DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



SP–2. MATERIALS STAGING IN ROADWAY

MATERIALS STAGING IN ROADWAYS INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF MATERIAL STAGING AREA(S).
   –CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.

2. FEATURE MUST BE INSTALLED PRIOR TO EXCAVATION, EARTHWORK OR DELIVERY OF MATERIALS.

3. MATERIALS MUST BE STATIONED ON THE POLY LINER. ANY INCIDENTAL MATERIALS DEPOSITED ON PAVED SECTION OR ALONG CURB LINE MUST BE CLEANED UP PROMPTLY.

4. POLY LINER AND TARP COVER SHOULD BE OF SIGNIFICANT THICKNESS TO PREVENT DAMAGE OR LOSS OF INTEGRITY.

5. SAND BAGS MAY BE SUBSTITUTED TO ANCHOR THE COVER TARP OR PROVIDE BERMING UNDER THE BASE LINER.

6. FEATURE IS NOT INTENDED FOR USE WITH WET MATERIAL THAT WILL BE DRAINING AND/OR SPREADING OUT ON THE POLY LINER OR FOR DEMOLITION MATERIALS.

7. THIS FEATURE CAN BE USED FOR:
   –UTILITY REPAIRS.
   –WHEN OTHER STAGING LOCATIONS AND OPTIONS ARE LIMITED.
   –OTHER LIMITED APPLICATION AND SHORT DURATION STAGING.

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 27 OF

Page 140

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MATERIALS STAGING IN ROADWAY MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

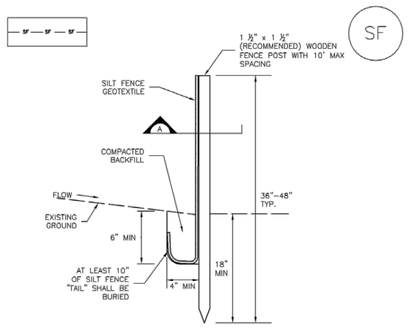
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. INSPECT PVC PIPE ALONG CURB LINE FOR CLOGGING AND DEBRIS. REMOVE OBSTRUCTIONS PROMPTLY.

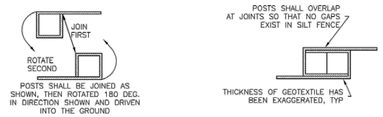
5. CLEAN MATERIAL FROM PAVED SURFACES BY SWEEPING OR VACUUMING.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM AURORA, COLORADO)



SILT FENCE



SECTION A

SF-1. SILT FENCE

SILT FENCE INSTALLATION NOTES

1. SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2–5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.

2. A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.

3. COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.

4. SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.

5. SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.

6. AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' – 20').

7. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

SILT FENCE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".

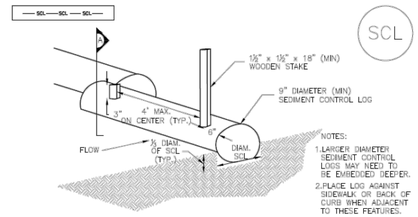
5. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.

6. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.

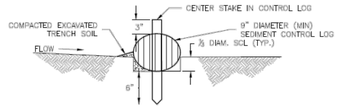
7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)

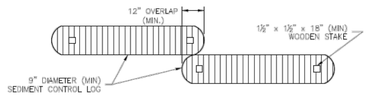
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TRENCHED SEDIMENT CONTROL LOG

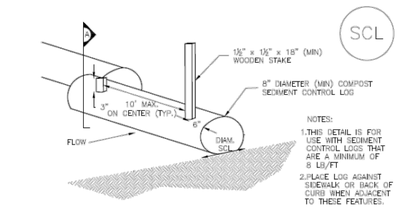


SECTION (A)
TRENCHED SEDIMENT CONTROL LOG

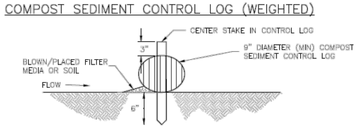


LOG JOINTS

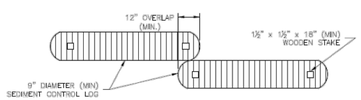
SCL-1. TRENCHED SEDIMENT CONTROL LOG



COMPOST SEDIMENT CONTROL LOG (WEIGHTED)

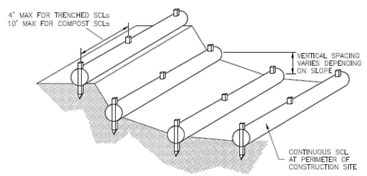


SECTION (A)
COMPOST SEDIMENT CONTROL LOG



LOG JOINTS

SCL-2. COMPOST SEDIMENT CONTROL LOG (WEIGHTED)



SCL-3. SEDIMENT CONTROL LOGS TO CONTROL SLOPE LENGTH

SEDIMENT CONTROL LOG INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.

2. SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADIENT LAND-DISTURBING ACTIVITIES.

3. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.

4. SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS.

5. IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY ⅓ OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING. COMPOST LOGS THAT ARE 8 LB/FT DO NOT NEED TO BE TRENCHED.

6. THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL OR FILTER MATERIAL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER OR BLOWN IN PLACE.

7. FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED. COMPOST LOGS SHOULD BE STAKED 10' ON CENTER.

SEDIMENT CONTROL LOG MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

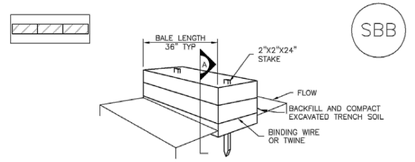
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY ½ OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.

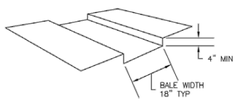
5. SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION.COMPOST FROM COMPOST LOGS MAY BE LEFT IN PLACE AS LONG AS BAGS ARE REMOVED AND THE AREA SEEDED. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, JEFFERSON COUNTY, COLORADO, DOUGLAS COUNTY, COLORADO, AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

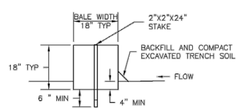
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STRAW BALE



TRENCH FOR STRAW BALE



SECTION A

SBB-1. STRAW BALE

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

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1/30/2025 11:25 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS DETAILS.DWG 6

STRAW BALE INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION(S) OF STRAW BALES.

2. STRAW BALES SHALL CONSIST OF CERTIFIED WEED FREE STRAW OR HAY. LOCAL JURISDICTIONS MAY REQUIRE PROOF THAT BALES ARE WEED FREE.

3. STRAW BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF STRAW OR HAY AND WEIGH NOT LESS THAN 35 POUNDS.

4. WHEN STRAW BALES ARE USED IN SERIES AS A BARRIER, THE END OF EACH BALE SHALL BE TIGHTLY ABUTTING ONE ANOTHER.

5. STRAW BALE DIMENSIONS SHALL BE APPROXIMATELY 36"X18"X18".

6. A UNIFORM ANCHOR TRENCH SHALL BE EXCAVATED TO A DEPTH OF 4". STRAW BALES SHALL BE PLACED SO THAT BINDING TWINE IS ENCOMPASSING THE VERTICAL SIDES OF THE BALE(S). ALL EXCAVATED SOIL SHALL BE PLACED ON THE UPHILL SIDE OF THE STRAW BALE(S) AND COMPACTED.

7. TWO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE. WOODEN STAKES SHALL BE 2"X2"X24". WOODEN STAKES SHALL BE DRIVEN 6" INTO THE GROUND.

STRAW BALE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. STRAW BALES SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN, OR DAMAGED BEYOND REPAIR.

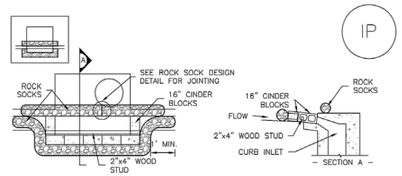
5. SEDIMENT ACCUMULATED UPSTREAM OF STRAW BALE BARRIER SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY ¼ OF THE HEIGHT OF THE STRAW BALE BARRIER.

6. STRAW BALES ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

7. WHEN STRAW BALES ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



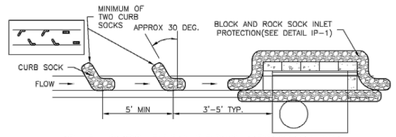
IP–1. BLOCK AND ROCK SOCK SUMP OR ON GRADE INLET PROTECTION

BLOCK AND CURB SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. CONCRETE "CINDER" BLOCKS SHALL BE LAID ON THEIR SIDES AROUND THE INLET IN A SINGLE ROW, ABUTTING ONE ANOTHER WITH THE OPEN END FACING AWAY FROM THE CURB.

3. GRAVEL BAGS SHALL BE PLACED AROUND CONCRETE BLOCKS, CLOSELY ABUTTING ONE ANOTHER AND JOINTED TOGETHER IN ACCORDANCE WITH ROCK SOCK DESIGN DETAIL.



IP–2. CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION

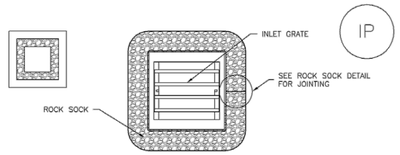
CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL INSTALLATION REQUIREMENTS.

2. PLACEMENT OF THE SOCK SHALL BE APPROXIMATELY 30 DEGREES FROM PERPENDICULAR IN THE OPPOSITE DIRECTION OF FLOW.

3. SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 5 FEET APART.

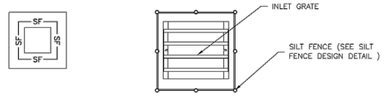
4. AT LEAST TWO CURB SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON–GRADE INLETS.



IP–3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES
1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



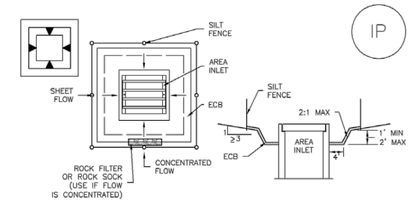
IP–4. SILT FENCE FOR SUMP INLET PROTECTION

SILT FENCE INLET PROTECTION INSTALLATION NOTES

1. SEE SILT FENCE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF 3 FEET.

3. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



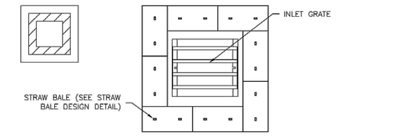
IP–5. OVEREXCAVATION INLET PROTECTION

OVEREXCAVATION INLET PROTECTION INSTALLATION NOTES

1. THIS FORM OF INLET PROTECTION IS PRIMARILY APPLICABLE FOR SITES THAT HAVE NOT YET REACHED FINAL GRADE AND SHOULD BE USED ONLY FOR INLETS WITH A RELATIVELY SMALL CONTRIBUTING DRAINAGE AREA.

2. WHEN USING FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW.

3. SEDIMENT MUST BE PERIODICALLY REMOVED FROM THE OVEREXCAVATED AREA.

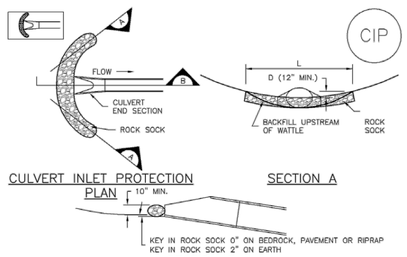


IP–6. STRAW BALE FOR SUMP INLET PROTECTION

STRAW BALE BARRIER INLET PROTECTION INSTALLATION NOTES

1. SEE STRAW BALE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. BALES SHALL BE PLACED IN A SINGLE ROW AROUND THE INLET WITH ENDS OF BALES TIGHTLY ABUTTING ONE ANOTHER.



CIP–1. CULVERT INLET PROTECTION

CULVERT INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF CULVERT INLET PROTECTION.

2. SEE ROCK SOCK DESIGN DETAIL FOR ROCK GRADATION REQUIREMENTS AND JOINTING DETAIL.

CULVERT INLET PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF THE CULVERT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS ½ THE HEIGHT OF THE ROCK SOCK.

5. CULVERT INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

GENERAL INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF INLET PROTECTION.
   –TYPE OF INLET PROTECTION (IP.1, IP.2, IP.3, IP.4, IP.5, IP.6)

2. INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS). IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.

3. MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

INLET PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN STORAGE VOLUME REACHES 50% OF CAPACITY, A DEPTH OF 6" WHEN SILT FENCE IS USED, OR ¼ OF THE HEIGHT FOR STRAW BALES.

5. INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED, UNLESS THE LOCAL JURISDICTION APPROVES EARLIER REMOVAL OF INLET PROTECTION IN STREETS.

6. WHEN INLET PROTECTION AT AREA INLETS IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF INLET PROTECTION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY PROPRIETARY INLET PROTECTION METHODS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY INLET PROTECTION; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

NOTE: SOME MUNICIPALITIES DISCOURAGE OR PROHIBIT THE USE OF STRAW BALES FOR INLET PROTECTION. CHECK WITH LOCAL JURISDICTION TO DETERMINE IF STRAW BALE INLET PROTECTION IS ACCEPTABLE.

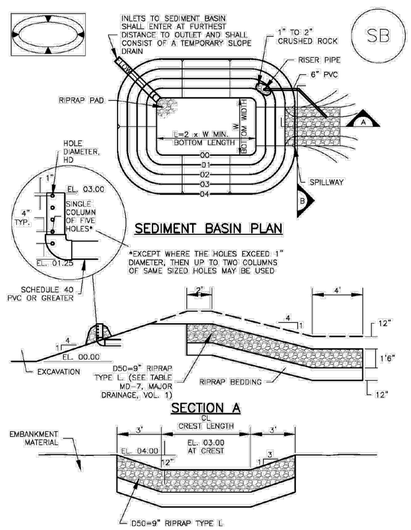


TABLE SB–1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (W), (ft)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)
1	12 ½	2	9/32
2	21	3	13/16
3	28	5	½
4	33 ½	6	9/16
5	38 ½	8	27/32
6	43	9	27/32
7	47 ¾	11	27/32
8	51	12	27/32
9	55	13	⅞
10	58 ¾	15	15/16
11	61	16	31/32
12	64	18	1
13	67 ½	19	1 1/16
14	70 ½	21	1 ⅛
15	73 ¼	22	1 3/16

SEDIMENT BASIN INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF SEDIMENT BASIN.
   –TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
   –FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
   –FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.

2. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.

3. SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND–DISTURBING ACTIVITY THAT RELIES ON ON BASINS AS AS A STORMWATER CONTROL.

4. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.

5. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.

6. PIPE SCH 40 OR GREATER SHALL BE USED.

7. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 29 OF 31

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS DETAILS.DWG 7

SEDIMENT BASIN MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

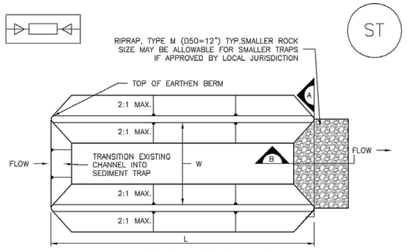
4. SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).

5. SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.

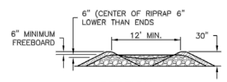
6. WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)

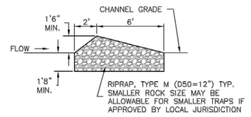
NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



SEDIMENT TRAP PLAN



SECTION A



SECTION B

ST-1. SEDIMENT TRAP

SEDIMENT TRAP INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION, LENGTH AND WIDTH OF SEDIMENT TRAP.

2. ONLY USE FOR DRAINAGE AREAS LESS THAN 1 ACRE.

3. SEDIMENT TRAPS SHALL BE INSTALLED PRIOR TO ANY UPGRADIENT LAND–DISTURBING ACTIVITIES.

4. SEDIMENT TRAP BERM SHALL BE CONSTRUCTED FROM MATERIAL FROM EXCAVATION. THE BERM SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.

5. SEDIMENT TRAP OUTLET TO BE CONSTRUCTED OF RIPRAP, TYPE M (D50=12") TYP.SMALLER ROCK SIZE MAY BE ALLOWABLE FOR SMALLER TRAPS IF APPROVED BY LOCAL JURISDICTION.

6. THE TOP OF THE EARTHEN BERM SHALL BE A MINIMUM OF 6" HIGHER THAN THE TOP OF THE RIPRAP OUTLET STRUCTURE.

7. THE ENDS OF THE RIPRAP OUTLET STRUCTURE SHALL BE A MINIMUM OF 6" HIGHER THAN THE CENTER OF THE OUTLET STRUCTURE.

SEDIMENT TRAP MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. REMOVE SEDIMENT ACCUMULATED IN TRAP AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN THE SEDIMENT DEPTH REACHES ½ THE HEIGHT OF THE RIPRAP OUTLET.

5. SEDIMENT TRAPS SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

6. WHEN SEDIMENT TRAPS ARE REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

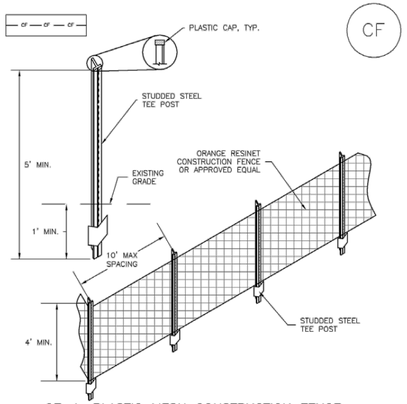
(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

Table CP-1. Typical Phased BMP Installation for Construction Projects

Project Phase	BMPs
Pre-disturbance, Site Access	▪ Install sediment controls downgradient of access point (on paved streets this may consist of inlet protection). ▪ Establish vehicle tracking control at entrances to paved streets. Fence as needed. ▪ Use construction fencing to define the boundaries of the project and limit access to areas of the site that are not to be disturbed. **Note: it may be necessary to protect inlets in the general vicinity of the site, even if not downgradient, if there is a possibility that sediment tracked from the site could contribute to the inlets.**
Site Clearing and Grubbing	▪ Install perimeter controls as needed on downgradient perimeter of site (silt fence, wattles, etc). ▪ Limit disturbance to those areas planned for disturbance and protect undisturbed areas within the site (construction fence, flagging, etc). ▪ Preserve vegetative buffer at site perimeter. ▪ Create stabilized staging area. ▪ Locate portable toilets on flat surfaces away from drainage paths. Stake in areas susceptible to high winds. ▪ Construct concrete washout area and provide signage. ▪ Establish waste disposal areas. ▪ Install sediment basins. ▪ Create dirt perimeter berms and/or brush barriers during grubbing and clearing. ▪ Separate and stockpile topsoil, leave roughened and/or cover. ▪ Protect stockpiles with perimeter control BMPs. Stockpiles should be located away from drainage paths and should be accessed from the upgradient side so that perimeter controls can remain in place on the downgradient side. Use erosion control blankets, temporary seeding, and/or mulch for stockpiles that will be inactive for an extended period. ▪ Leave disturbed area of site in a roughened condition to limit erosion. Consider temporary revegetation for areas of the site that have been disturbed but that will be inactive for an extended period. ▪ Water to minimize dust but not to the point that watering creates runoff.

Project Phase	BMPs
Utility And Infrastructure Installation	**In Addition to the Above BMPs:** ▪ Close trench as soon as possible (generally at the end of the day). ▪ Use rough-cut street control or apply road base for streets that will not be promptly paved. ▪ Provide inlet protection as streets are paved and inlets are constructed. ▪ Protect and repair BMPs, as necessary. ▪ Perform street sweeping as needed.
Building Construction	**In Addition to the Above BMPs:** ▪ Implement materials management and good housekeeping practices for home building activities. ▪ Use perimeter controls for temporary stockpiles from foundation excavations. ▪ For lots adjacent to streets, lot-line perimeter controls may be necessary at the back of curb.
Final Grading	**In Addition to the Above BMPs:** ▪ Remove excess or waste materials. ▪ Remove stored materials.
Final Stabilization	**In Addition to the Above BMPs:** ▪ Seed and mulch/tackify. ▪ Seed and install blankets on steep slopes. ▪ Remove all temporary BMPs when site has reached final stabilization.



CF–1. PLASTIC MESH CONSTRUCTION FENCE

CONSTRUCTION FENCE INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF CONSTRUCTION FENCE.

2. CONSTRUCTION FENCE SHOWN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

3. CONSTRUCTION FENCE SHALL BE COMPOSED OF ORANGE, CONTRACTOR–GRADE MATERIAL THAT IS AT LEAST 4' HIGH. METAL POSTS SHOULD HAVE A PLASTIC CAP FOR SAFETY.

4. STUDDED STEEL TEE POSTS SHALL BE UTILIZED TO SUPPORT THE CONSTRUCTION FENCE. MAXIMUM SPACING FOR STEEL TEE POSTS SHALL BE 10'.

5. CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO THE TOP, MIDDLE, AND BOTTOM OF EACH POST.

CONSTRUCTION FENCE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

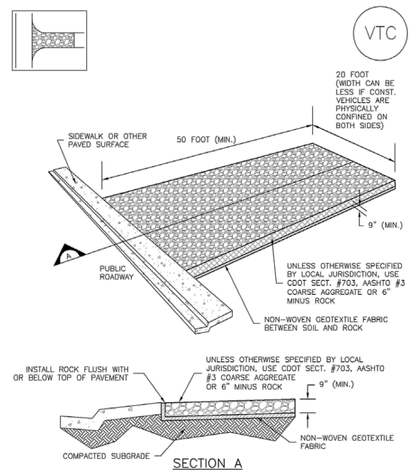
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED WHEN THERE ARE SIGNS OF DAMAGE SUCH AS RIPS OR SAGS. CONSTRUCTION FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

5. WHEN CONSTRUCTION FENCES ARE REMOVED, ALL DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE FENCE SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)



SECTION A

VTC–1. AGGREGATE VEHICLE TRACKING CONTROL

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

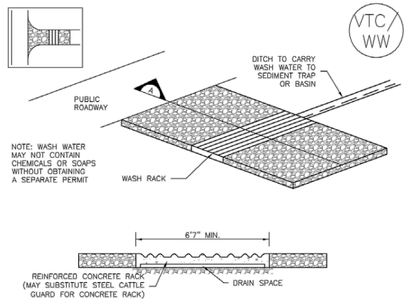
NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

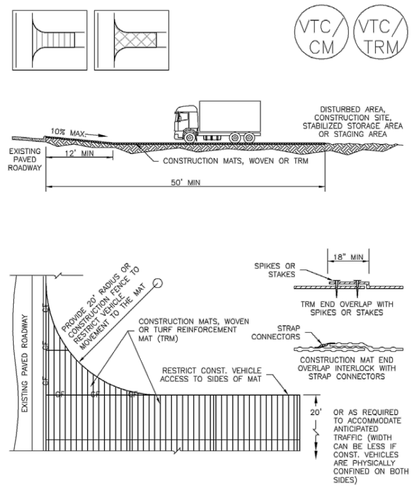
Know what's below. Call before you dig. 811

SHEET 30 OF

1/30/2025 11:25 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS DETAILS.DWG 8



VTC–2. AGGREGATE VEHICLE TRACKING CONTROL WITH WASH RACK



VTC–3. VEHICLE TRACKING CONTROL W/ CONSTRUCTION MAT OR TURF REINFORCEMENT MAT (TRM)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S).
   –TYPE OF CONSTRUCTION ENTRANCE(S)/EXITS(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).

2. CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.

3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT–OF–WAYS.

4. STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

5. A NON–WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.

6. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.

5. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

Description

A stabilized construction roadway is a temporary method to control sediment runoff, vehicle tracking, and dust from roads during construction activities.



Photograph SCR-1. Stabilized construction roadway.

Appropriate Uses

Use on high traffic construction roads to minimize dust and erosion.

Stabilized construction roadways are used instead of rough-cut street controls on roadways with frequent construction traffic.

Design and Installation

Stabilized construction roadways typically involve two key components: 1) stabilizing the road surface with an aggregate base course of 3-inch-diameter granular material and 2) stabilizing roadside ditches, if applicable. Early application of road base is generally suitable where a layer of coarse aggregate is specified for final road construction.

Maintenance and Removal

Apply additional gravel as necessary to ensure roadway integrity.

Inspect drainage ditches along the roadway for erosion and stabilize, as needed, through the use of check dams or rolled erosion control products.

Gravel may be removed once the road is ready to be paved. Prior to paving, the road should be inspected for grade changes and damage. Regrade and repair as necessary.

Stabilized Construction Roadway	
Functions	
Erosion Control	Yes
Sediment Control	Moderate
Site/Material Management	Yes

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

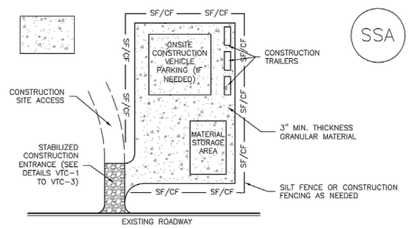
#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 31 OF 34



SSA–1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF STAGING AREA(S).
   –CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.

2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.

3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.

4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.

5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

6. ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

STABILIZED STAGING AREA MAINTENANCE NOTES

5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.

6. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.

NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE–ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

Description

Street sweeping and vacuuming remove sediment that has been tracked onto roadways to reduce sediment transport into storm drain systems or a surface waterway.

Appropriate Uses

Use this practice at construction sites where vehicles may track sediment offsite onto paved roadways.

Design and Installation

Street sweeping or vacuuming should be conducted when there is noticeable sediment accumulation on roadways adjacent to the construction site. Typically, this will be concentrated at the entrance/exit to the construction site. Well-maintained stabilized construction entrances, vehicle tracking controls and tire wash facilities can help reduce the necessary frequency of street sweeping and vacuuming.



Photograph SS-1. A street sweeper removes sediment and potential pollutants along the curb line at a construction site. Photo courtesy of Tom Gore.

On smaller construction sites, street sweeping can be conducted manually using a shovel and broom. Never wash accumulated sediment on roadways into storm drains.

Maintenance and Removal

- Inspect paved roads around the perimeter of the construction site on a daily basis and more frequently, as needed. Remove accumulated sediment, as needed.
- Following street sweeping, check inlet protection that may have been displaced during street sweeping.
- Inspect area to be swept for materials that may be hazardous prior to beginning sweeping operations.

Street Sweeping/ Vacuuming	
Functions	
Erosion Control	No
Sediment Control	Yes
Site/Material Management	Yes

Description

Manage runoff from paving and grinding operations to reduce pollutants entering storm drainage systems and natural drainageways.

Appropriate Uses

Use runoff management practices during all paving and grinding operations such as surfacing, resurfacing, and saw cutting.



Photograph PGO-1. Paving operations on a Colorado highway. Photo courtesy of CDOT.

Design and Installation

There are a variety of management strategies that can be used to manage runoff from paving and grinding operations:

- Establish inlet protection for all inlets that could potentially receive runoff.
- Schedule paving operations when dry weather is forecasted.
- Keep spill kits onsite for equipment spills and keep drip pans onsite for stored equipment.
- Install perimeter controls when asphalt material is used on embankments or shoulders near waterways, drainages, or inlets.
- Do not wash any paved surface into receiving storm drain inlets or natural drainageways. Instead, loose material should be swept or vacuumed following paving and grinding operations.
- Store materials away from drainages or waterways.
- Recycle asphalt and pavement material when feasible. Material that cannot be recycled must be disposed of in accordance with applicable regulations.

See BMP Fact Sheets for Inlet Protection, Silt Fence and other perimeter controls selected for use during paving and grinding operations.

Maintenance and Removal

Perform maintenance and removal of inlet protection and perimeter controls in accordance with their respective fact sheets.

Promptly respond to spills in accordance with the spill prevention and control plan.

Paving and Grinding Operations	
Functions	
Erosion Control	No
Sediment Control	No
Site/Material Management	Yes

10/3/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS DETAILS.DWG 9

ATTACHMENT A

BULMER FILING NO. 1

A REPLAT OF LOTS 5 AND 6, BLOCK 3 AND LOTS 1–6, INCLUSIVE, BLOCK 13, AND
A PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.

PROPERTY DESCRIPTION

A PARCEL OF LAND BEING LOTS 5 AND 6, BLOCK 3 TOWN OF ELIZABETH, LOTS 1 THOUGH 6 INCLUSIVE BLOCK 13, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH, A PORTION OF THE COLORADO AND SOUTHERN RAILWAY RIGHT–OF–WAY AND VACATED POPLAR STREET, ALL IN THE TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO, LOCATED IN THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, SAID TOWN, COUNTY, AND STATE, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTH QUARTER CORNER OF SAID SECTION 18, WHENCE THE NORTH LINE OF SAID NORTHEAST QUARTER BEARS NORTH 89°12'42" EAST, A DISTANCE OF 2642.37 FEET, ALL BEARINGS HEREIN ARE REFERENCED THERETO;

THENCE ALONG SAID NORTH LINE, NORTH 89°12'42" EAST, A DISTANCE OF 1140.98 FEET;

THENCE DEPARTING SAID NORTH LINE, SOUTH 00°47'18" EAST, A DISTANCE OF 572.03 FEET TO THE NORTHEAST CORNER OF LOT 1, BLOCK 3 AS SHOWN ON SAID TOWN OF ELIZABETH AND THE POINT OF BEGINNING;

THENCE NORTH 80°23'06" EAST, A DISTANCE OF 130.14 FEET TO THE EASTERLY LINE OF THE PARCEL OF LAND DESCRIBED IN THE DEED RECORDED IN BOOK 22 AT PAGE 123, IN THE OFFICIAL RECORDS OF SAID COUNTY;

THENCE ALONG SAID EASTERLY LIEN THE FOLLOWING 3 COURSES;

1. SOUTH 09°26'52" EAST, A DISTANCE OF 237.96 FEET;

2. SOUTH 05°06'01" EAST, A DISTANCE OF 53.08 FEET;

3. SOUTH 05°09'41" EAST, A DISTANCE OF 167.82 FEET TO THE EASTERLY PROLONGATION OF THE SOUTHERLY LINE OF SAID LOT 6, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH;

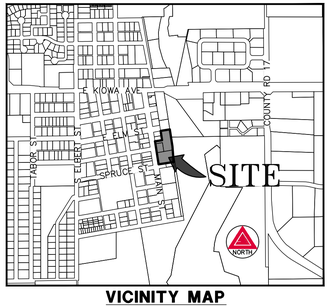
THENCE ALONG SAID EASTERLY PROLONGATION AND SAID SOUTHERLY LINE, SOUTH 80°30'04" WEST, A DISTANCE OF 213.19 FEET TO THE SOUTHWEST CORNER OF SAID BLOCK 13;

THENCE ALONG THE WESTERLY LINE OF SAID LOTS 1–6, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH, THE WESTERLY LINE OF SAID VACATED POPLAR STREET AND THE WESTERLY LINE OF SAID LOTS 5 AND 6, TOWN OF ELIZABETH, NORTH 09°27'48" WEST, A DISTANCE OF 326.06 FEET TO THE SOUTHWEST CORNER OF LOT 4, BLOCK 3, TOWN OF ELIZABETH;

THENCE ALONG THE SOUTHERLY LINE OF SAID LOT 4, NORTH 80°34'41" EAST, A DISTANCE OF 99.83 FEET TO THE SOUTHEAST CORNER OF SAID LOT 4, BLOCK 3;

THENCE ALONG THE EASTERLY LINE OF SAID BLOCK 3, NORTH 09°30'20" WEST, A DISTANCE OF 132.04 FEET TO THE POINT OF BEGINNING;

CONTAINING AN AREA OF 2.072 ACRES, (90,267 SQUARE FEET), MORE OR LESS.



VICINITY MAP
SCALE 1" = 1000'

BOARD OF TRUSTEES

THIS PLAT WAS APPROVED BY THE BOARD OF TRUSTEES OF THE TOWN OF ELIZABETH, COLORADO ON THE _____ DAY OF _____, 20____, FOR FILING. THE DEDICATIONS ARE HERY ACCEPTED.

ALL EXPENSES INCURRED WITH RESPECT TO IMPROVEMENTS FOR ALL UTILITY SERVICES, PAVING, GRADING, CURBS, GUTTER, SIDEWALKS, ROAD LIGHTING, ROAD SIGNS, FLOOD PROTECTION DEVICES, DRAINAGE STRUCTURES AND ALL OTHER IMPROVEMENTS THAT MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER AND NOT THE TOWN OF ELIZABETH. THE TOWN SHALL ONLY ACCEPT MAINTENANCE OF THE ROADWAY IMPROVEMENTS AFTER CONSTRUCTION HAS BEEN COMPLETED, AND AFTER THE WARRANTY PERIOD, IN ACCORDANCE WITH TOWN REGULATIONS.

THIS ACCEPTANCE DOES NOT GUARANTEE THAT THE SOIL CONDITIONS, SUBSURFACE, GEOLOGY, GROUNDWATER CONDITIONS OF FLOODING CONDITIONS OF ANY LOT SHOWN HEREON ARE SUCH THAT A BUILDING PERMIT WILL BE ISSUED.

_____
MAYOR, TOWN OF ELIZABETH

ATTEST:
TOWN CLERK

_____
SIGNATURE

TITLE VERIFICATION

I/WE_____,

OF_____ DO HEREBY CERTIFY THAT I/WE HAVE EXAMINED THE TITLE OF ALL LAND PLATTED HEREON AND THAT TITLE O SUCH LAND IS IN DEDICATOR(S) FREE AND CLEAR OF ALL LIENS, TAXES AND ENCUMBRANCES, EXCEPT AS FOLLOWS:

_____
(NOTARIZED SIGNATURE)

_____ _____
DATE COMPANY NAME

GENERAL NOTES

1. THE FIELD WORK FOR THIS SURVEY WAS PERFORMED BY AN AZTEC CONSULTANTS, INC. SURVEY CREW AND COMPLETED ON JULY 16, 2024
2. PER C.R.S. 38–51–106, "ALL LINEAL UNITS DEPICTED ON THIS LAND SURVEY PLAT ARE U.S. SURVEY FEET. ONE METER EQUALS 39.37/12 U.S. SURVEY FEET, EXACTLY ACCORDING TO THE NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY."
3. THE SURVEYED PARCEL CONTAINS A TOTAL OF 2.072 ACRES OR 90,267 SQUARE FEET, MORE OR LESS.
4. _____ TITLE GUARANTEE COMPANY TITLE COMMITMENT ORDER NO. _____ WITH AN EFFECTIVE DATE OF _____ __, 2024 AT 5:00 P.M. WAS RELIED UPON FOR RECORD INFORMATION REGARDING EASEMENT(S) AND ENCUMBRANCES(S). THIS SURVEY DOES NOT REPRESENT A TITLE SEARCH BY AZTEC CONSULTANTS, INC. TO DETERMINE OWNERSHIP, RIGHT(S)–OF–WAY, EASEMENT(S), OR OTHER MATTERS OF PUBLIC RECORD.
5. ANY PERSON WHO KNOWINGLY REMOVES, ALTERS OR DEFACES ANY PUBLIC LAND SURVEY MONUMENT OR ACCESSORY COMMITS A CLASS TWO (2) MISDEMEANOR PURSUANT TO STATE STATUTE 18–4–508, C.R.S.
6. THE SURVEYED PROPERTY SHOWN HEREIN LIES WITHIN OTHER AREAS–ZONE X, AREAS DETERMINED TO BE OUTSIDE OF THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP INDEX NO. 08039C0480C, MAP REVISED MARCH 17, 2011.
7. NO LOT WITHIN THIS SUBDIVISION SHALL BE BUILT UPON OR ANY IMPROVEMENTS CONSTRUCTED WITHIN A LOT, UNTIL A SITE PLAN IS REVIEWED AND APPROVED BY THE TOWN OF ELIZABETH.

SURVEYOR'S CERTIFICATION

I, MICHAEL J. NOFFSINGER, A DULY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THIS PLAT TRULY AND CORRECTLY REPRESENTS THE RESULTS OF A SURVEY MADE ON _____ _____, 2024, BY ME OR UNDER MY DIRECT SUPERVISION AND THAT ALL MONUMENTS EXIST AS SHOWN HEREON; THAT MATHEMATICAL CLOSURE ERRORS ARE LESS THAN 1:50,000 (SECOND ORDER); AND THAT SAID PLAT HAS BEEN PREPARED IN FULL COMPLIANCE WITH ALL APPLICABLE LAWS OF THE STATE OF COLORADO DEALING WITH MONUMENTS, SUBDIVISIONS OR SURVEYING OF LAND AND ALL PROVISIONS, WITHIN MY CONTROL, OF THE TOWN SUBDIVISION REGULATIONS.

I ATTEST THE ABOVE ON THIS_____ DAY OF _____, 20____.

FOR REVIEW
DO NOT RECORD

_____
COLORADO REGISTERED PROFESSIONAL LAND SURVEYOR

_____
PRINTED NAME

OWNERSHIP AND DEDICATION STATEMENT

THE UNDERSIGNED, BEING ALL THE OWNERS, MORTGAGEES, BENEFICIARIES OF DEEDS OF TRUST AND HOLDERS OF OTHER INTERESTS OF THE LANDS DESCRIBED HEREIN, HAVE LAID OUT, SUBDIVIDED AND PLATTED SAID LANDS INTO LOTS, TRACTS AND EASEMENTS AS SHOWN HEREON UNDER THE NAME AND STYLE OF BULMER FILING NO. 1. THE UTILITY EASEMENTS AS SHOWN HEREON ARE HEREBY DEDICATED FOR PUBLIC UTILITIES AND CABLE COMMUNICATION SYSTEMS AND OTHER PURPOSES AS SHOWN HEREON. THE ENTITIES RESPONSIBLE FOR PROVIDING THE SERVICES FOR WHICH THE EASEMENTS ARE ESTABLISHED ARE HEREBY GRANTED THE PERPETUAL RIGHT OF INGRESS AND EGRESS FROM AND TO ADJACENT PROPERTIES FOR INSTALLATION, MAINTENANCE AND REPLACEMENT OF UTILITY LINES AND RELATED FACILITIES. ALL STREETS AND RIGHTS OF WAY, SHOWN HEREON ARE DEDICATED AND CONVEYED TO THE TOWN OF ELIZABETH, COLORADO, IN FEE SIMPLE ABSOLUTE, FOR PUBLIC USES AND PURPOSES.

_____
SIGNATURE

_____
(OWNER)

BY: _____

TITLE: _____

ATTEST
SECRETARY _____
SIGNATURE

SUBSCRIBED AND SWORN TO BEFORE ME THIS _____ DAY OF _____, 20_____

BY _____

WITNESS MY HAND AN OFFICIAL SEAL

_____
NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

PLANNING COMMISSION

THIS FINAL PLATT WAS REVIEWED BY THE ELBERT COUNTY PLANNING COMMISSION ON THE

_____ DAY OF _____, 20_____, A.D.

_____
CHAIR, PLANNING COMMISSION

ELBERT COUNTY CLERK AND RECORDER'S CERTIFICATE

THIS PLAT WAS FILED FOR RECORD IN THE OFFICE OF THE COUNTY CLERK AND RECORDER OF ELBERT COUNTY AT _____M. ON THE _____ DAY OF _____, 20__,

RECEPTION NO._____.

ELBERT COUNTY CLERK AND RECORDER

BY: _____
DEPUTY

AzTec CONSULTANTS, INC.
300 East Mineral Ave., Suite 1
Littleton, Colorado 80122
Phone: (303) 713-1898
Fax: (303) 713-1897
www.aztecconsultants.com

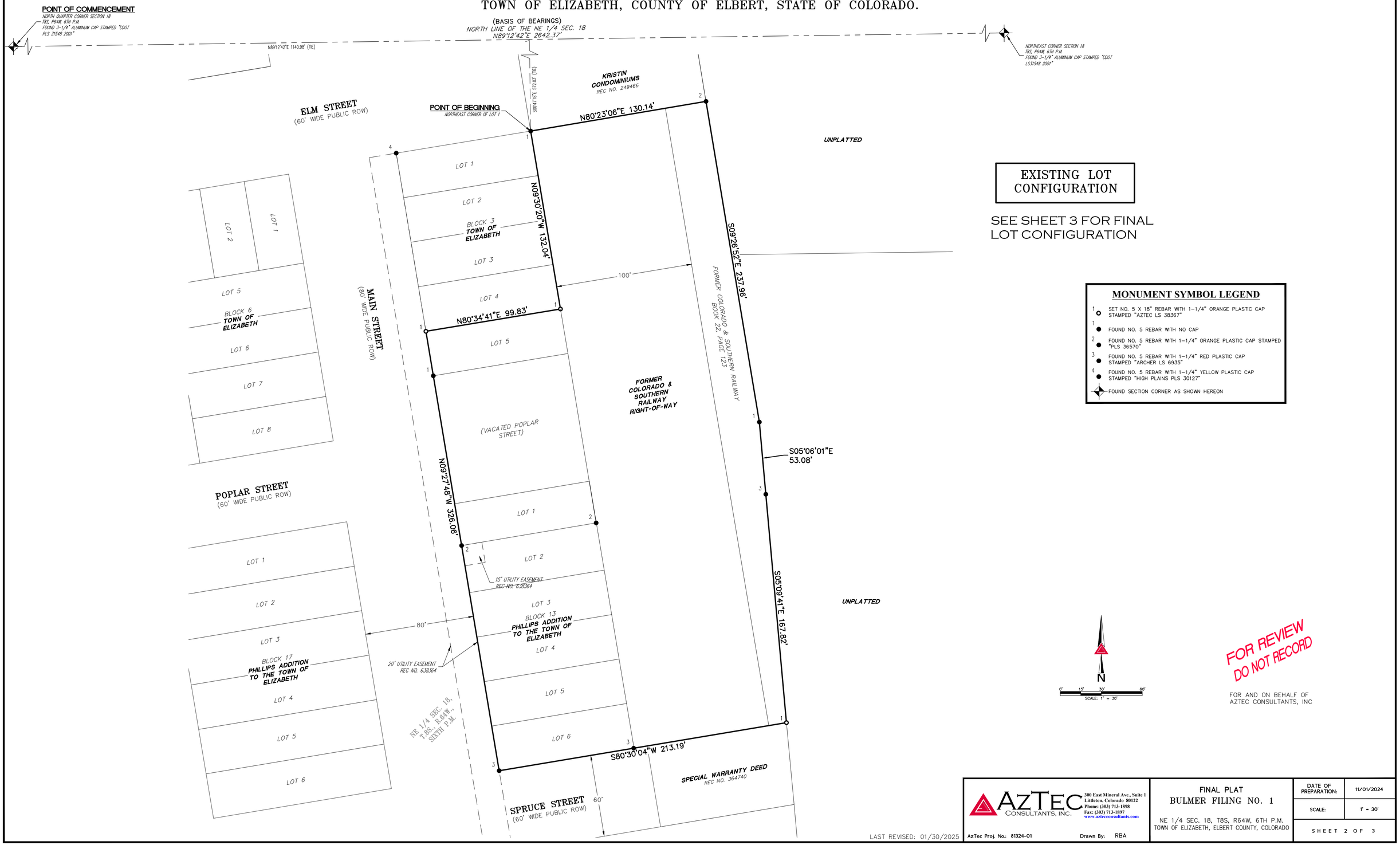
AzTec Proj. No.: 81324-01 Drawn By: RBA

FINAL PLAT
BULMER FILING NO. 1
NE 1/4 SEC. 18, T8S, R64W, 6TH P.M.
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO

DATE OF PREPARATION:	11/01/2024
SCALE:	N/A
SHEET 1 OF 3	

BULMER FILING NO. 1

A REPLAT OF LOTS 5 AND 6, BLOCK 3 AND LOTS 1–6, INCLUSIVE, BLOCK 13, AND
A PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.



EXISTING LOT CONFIGURATION

SEE SHEET 3 FOR FINAL LOT CONFIGURATION

MONUMENT SYMBOL LEGEND

- SET NO. 5 X 18" REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "AZTEC LS 38367"
- FOUND NO. 5 REBAR WITH NO CAP
- FOUND NO. 5 REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "PLS 36570"
- FOUND NO. 5 REBAR WITH 1-1/4" RED PLASTIC CAP STAMPED "ARCHER LS 6935"
- FOUND NO. 5 REBAR WITH 1-1/4" YELLOW PLASTIC CAP STAMPED "HIGH PLAINS PLS 30127"
- FOUND SECTION CORNER AS SHOWN HEREON

N

0' 15' 30' 60'
SCALE: 1" = 30'

FOR REVIEW
DO NOT RECORD

FOR AND ON BEHALF OF
AZTEC CONSULTANTS, INC

LAST REVISED: 01/30/2025

AZTEC CONSULTANTS, INC.
300 East Mineral Ave., Suite 1
Littleton, Colorado 80122
Phone: (303) 713-1898
Fax: (303) 713-1897
www.aztecconsultants.com

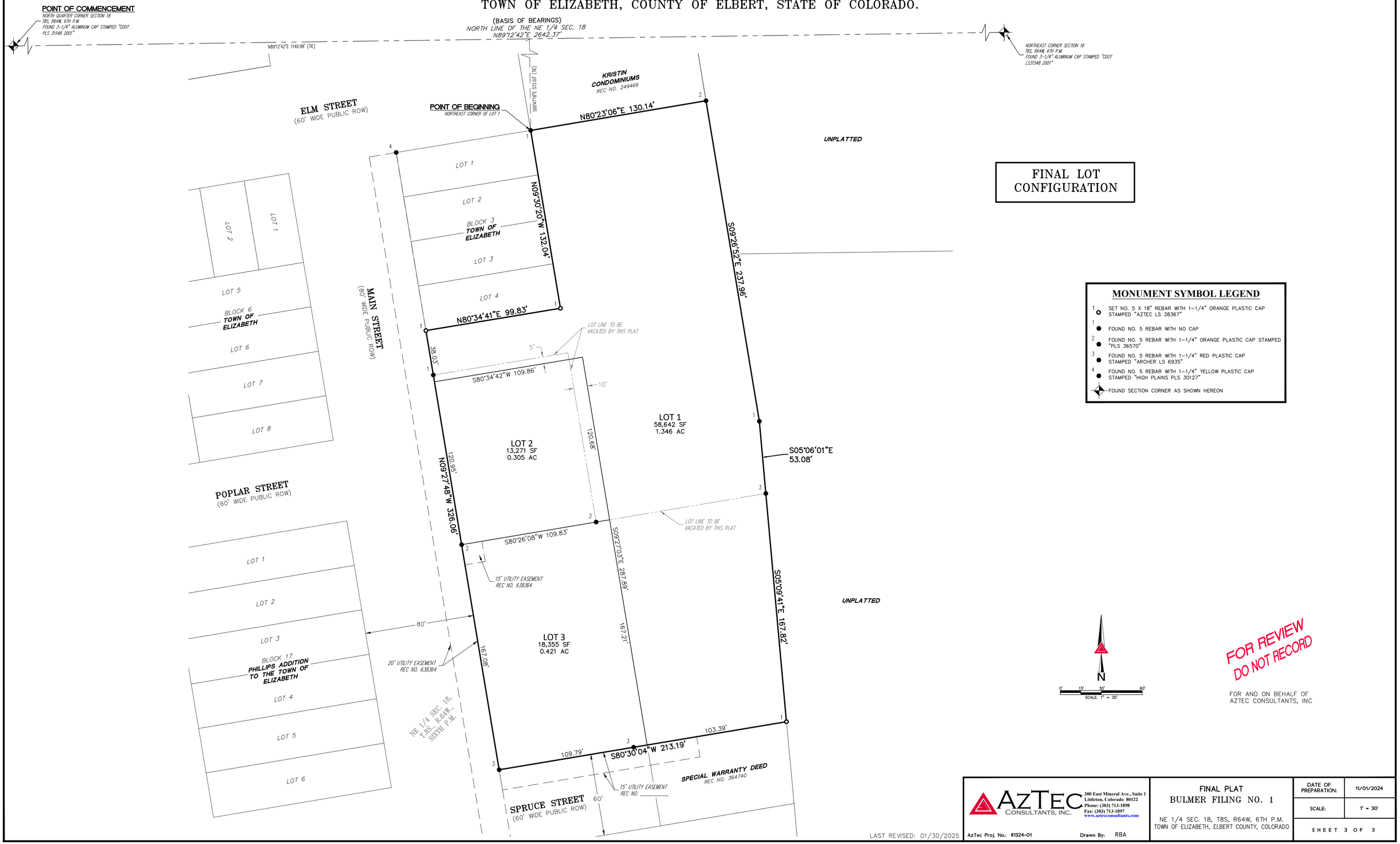
AzTec Proj. No: 81324-01 Drawn By: RBA

FINAL PLAT
BULMER FILING NO. 1
NE 1/4 SEC. 18, T8S, R64W, 6TH P.M.
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO

DATE OF PREPARATION:	11/01/2024
SCALE:	1" = 30'
SHEET 2 OF 3	

BULMER FILING NO. 1

A REPLAT OF LOTS 5 AND 6, BLOCK 3 AND LOTS 1–6, INCLUSIVE, BLOCK 13, AND
A PART OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN,
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.



FINAL LOT CONFIGURATION

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1. SET NO. 5 X 18" REBAR WITH 1-1/4" ORANGE PLASTIC CAP STAMPED "AZTEC LS 38367"
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FOUND SECTION CORNER AS SHOWN HEREON

N

0' 15' 30' 60'
SCALE: 1" = 30'

FOR REVIEW
DO NOT RECORD

FOR AND ON BEHALF OF
AZTEC CONSULTANTS, INC

LAST REVISED: 01/30/2025

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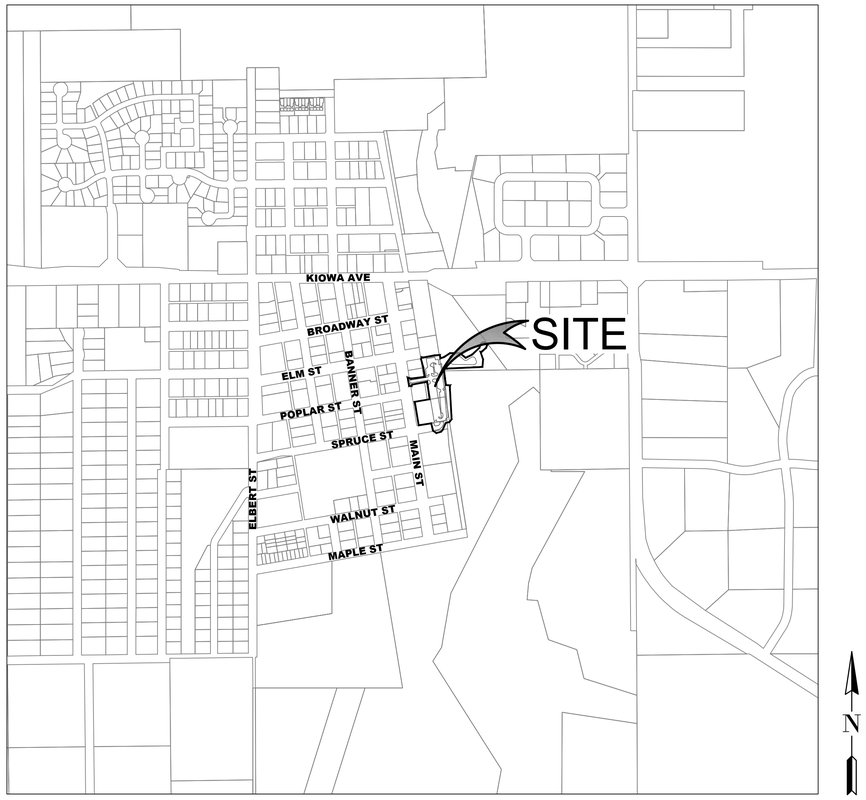
AzTec Proj. No.: 81324-01 Drawn By: RBA

FINAL PLAT
BULMER FILING NO. 1
NE 1/4 SEC. 18, T8S, R64W, 6TH P.M.
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO

DATE OF PREPARATION:	11/01/2024
SCALE:	1" = 30'
SHEET 3 OF 3	

MAIN STREET OFF-STREET PARKING LOT

LOTS 2-6 OF BLOCK 13
WITHIN THE NE QUARTER OF SECTION 18, T8S, R64W, 6TH P.M.,
TOWN OF ELIZABETH, ELBERT COUNTY, COLORADO



VICINITY MAP

0 1000' 2000'

1 inch = 1000'

SHEET INDEX

NO	SHEET TITLE
1	COVER SHEET
2	GENERAL NOTES
3	EXISTING SITE & DEMO PLAN
4	OVERALL SITE PLAN
5	OVERALL UTILITY PLAN
6	OVERALL GRADING PLAN
7	HORIZONTAL CONTROL & GRADING PLAN (1 OF 4)
8	HORIZONTAL CONTROL & GRADING PLAN (2 OF 4)
9	HORIZONTAL CONTROL & GRADING PLAN (3 OF 4)
10	HORIZONTAL CONTROL & GRADING PLAN (4 OF 4)
11	STORM P&P - STORM F
12	STORM - POND F
13	STORM - OUTLET STRUCTURE - POND F
14	SANITARY P&P - RESTROOM SANITARY SERVICE
15	WATER P&P - RESTROOM WATER SERVICE
16	GESC - INITIAL PLAN
17	GESC - INITIAL PLAN
18	GESC - INTERIM PLAN
19	GESC - INTERIM PLAN
20	GESC - FINAL PLAN
21	GESC - FINAL PLAN
22	DETAILS
23	DETAILS
24	DETAILS
25	DETAILS
26	DETAILS
27	DETAILS
28	DETAILS
29	DETAILS
30	DETAILS
31	DETAILS

OWNER

TOWN OF ELIZABETH
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P.O. BOX 159
ELIZABETH, CO 80107
CONTACT: ZACH HIGGINS
ZHIGGINS@TOWNOFELIZABETH.ORG

ENGINEER

TERRACINA DESIGN
10200 E. GIRARD AVE., SUITE A-314
DENVER, CO 80231
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SURVEYOR

AZTEC CONSULTANTS
300 EAST MINERAL AVE, SUITE 1,
LITTLETON, CO 80122
(303) 713-1898
CONTACT: MIKE NOFFSINGER

UTILITY PROVIDERS

CORE ELECTRIC
168 CTC BLVD SUITE A
LOUISVILLE, CO 80027
(303) 887-3877

BASIS OF BEARINGS

THE BEARINGS SHOWN HEREON ARE BASED UPON THE NORTH LINE OF THE NORTHEAST QUARTER OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, ASSUMED TO BEAR SOUTH 89°12'42" WEST, A DISTANCE OF 2642.37 FEET.

BENCHMARK

PROJECT BENCHMARK (AZTEC #400):
PROJECT BENCHMARK IS A NGS MONUMENT DESIGNATION H 53 (POINT ID KK0312). SAID MONUMENT IS AN NGS STANDARD DISK SET ON THE TOP OF A CONCRETE PORCH, STAMPED "H 53 1934." MONUMENT IS LOCATED ON 188 S. MAIN ST., NORTH EAST SIDE OF THE FORMER BANK, 4 FT EAST OF THE CENTERLINE OF SIDEWALK AND 5 INCHES NORTH OF A BRICK PILLAR.
NGS PUBLISHED ELEVATION = 6451.58 FT (NAVD 88)

PROFESSIONAL ENGINEER CERTIFICATION

THESE CONSTRUCTION PLANS FOR THE MAIN STREET OFF-STREET PARKING LOT WERE PREPARED BY ME (OR UNDER MY DIRECT SUPERVISION) IN ACCORDANCE WITH THE REQUIREMENTS OF THE TOWN OF ELIZABETH DESIGN REVIEW STANDARDS AND GUIDELINES, WATER AND SEWER STANDARDS, STORM DRAINAGE DESIGN AND TECHNICAL CRITERIA, AND THE GRADING, EROSION AND SEDIMENT CONTROL MANUAL.

MARTIN METSKER, PE #41743 DATE
TERRACINA DESIGN
10200 E. GIRARD AVE., SUITE A-314
DENVER, CO 80231
PHONE (303) 632-8867 EXT.110

THESE DESIGNS, PLANS, AND CONTRACT DOCUMENTS ARE REVIEWED FOR CONCEPT AND GENERAL CONFORMANCE TO THE TOWN'S MINIMUM STANDARDS ONLY, AND THE PRIMARY RESPONSIBILITY FOR DESIGN ADEQUACY IS TO REMAIN WITH THE ENGINEER OF RECORD. THIS REVIEW DOES NOT IMPLY RESPONSIBILITY BY THE TOWN OF ELIZABETH, OR THE TOWN ENGINEER FOR COMPLETENESS, ACCURACY OR CORRECTNESS OF CALCULATION. THE REVIEW DOES NOT IMPLY THAT QUANTITIES OF ITEMS INDICATED ON THE PLANS ARE THE FINAL QUANTITIES REQUIRED. THE REVIEW SHALL NOT BE CONSTRUED FOR ANY REASON AS ACCEPTANCE OF FINANCIAL RESPONSIBILITY BY THE TOWN FOR ADDITIONAL ITEMS AND ADDITIONAL QUANTITIES OF ITEMS SHOWN THAT MAY BE REQUIRED DURING THE CONSTRUCTION PHASE.

APPROVED FOR CONSTRUCTION WITHIN ONE YEAR OF THE EARLIEST OF THESE DATES:

BY: _____
TOWN ENGINEER DATE

BY _____
TOWN OF ELIZABETH-PUBLIC WORKS DIRECTOR DATE

BY _____
TOWN OF ELIZABETH-TOWN ADMINISTRATOR DATE

BY _____
ELIZABETH FIRE DEPARTMENT DATE

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
COVER SHEET

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

SHEET 1 OF 31

1/30/2025 11:23 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS COVER DWG 1

GENERAL NOTES:

1. UNLESS OTHERWISE MODIFIED HEREIN, ALL MATERIALS, WORKMANSHIP, AND CONSTRUCTION SHALL MEET OR EXCEED THE STANDARDS AND SPECIFICATIONS SET FORTH BY THE GOVERNING MUNICIPALITY, DISTRICT, AGENCY OR ENTITY. IF THE GOVERNING MUNICIPALITY, DISTRICT, AGENCY OR ENTITY DOES NOT HAVE A STANDARD, AN APPLICABLE STANDARD FROM THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT)STANDARDS (M &S STANDARDS, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION) SHALL BE ADHERED TO. FURTHER ALL OTHER APPLICABLE STATE AND FEDERAL REGULATIONS ARE TO BE FOLLOWED. WHERE THERE IS CONFLICT BETWEEN THESE PLANS AND THE SPECIFICATIONS, OR ANY APPLICABLE STANDARDS OR REGULATIONS, THE MOST RESTRICTIVE STANDARD SHALL APPLY.
2. ALL REFERENCES TO ANY PUBLISHED STANDARDS SHALL REFER TO THE LATEST REVISION OF SAID STANDARD, UNLESS SPECIFICALLY STATED OTHERWISE.
3. EXISTING UTILITIES SHOWN ON THIS PLAN ARE BASED UPON THE BEST INFORMATION AVAILABLE AS SUPPLIED BY SURFACE EVIDENCE AND UTILITY COMPANY MAPS. UTILITIES THAT EXIST MAY NOT BE SHOWN HEREIN. THE SIZE, LOCATION, TYPE AND NUMBER OF UTILITY SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION AND NOTIFICATION OF ANY DISCREPANCY SHALL BE MADE TO THE OWNER AND ENGINEER BEFORE ANY OTHER WORK IS PERFORMED.
4. THE CONTRACTOR SHALL CONTACT THE UTILITY NOTIFICATION CENTER OF COLORADO(UNCC) AT 811, AT LEAST 2 WORKING DAYS PRIOR TO BEGINNING EXCAVATION OR GRADING,TO HAVE ALL REGISTERED UTILITY LOCATIONS MARKED. OTHER UNREGISTERED UTILITY ENTITIES (I.E. DITCH / IRRIGATION COMPANY) ARE TO BE LOCATED BY CONTACTING THERE SPECTIVE REPRESENTATIVE. UTILITY SERVICE LATERALS ARE ALSO TO BE LOCATED PRIOR TO BEGINNING EXCAVATION OR GRADING.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITIES DURING CONSTRUCTION AND FOR COORDINATING WITH THE APPROPRIATE UTILITY COMPANY FOR ANY UTILITY CROSSINGS REQUIRED.
6. 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.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPECTS OF JOB SITE SAFETY INCLUDING, BUT NOT LIMITED TO, EXCAVATION, TRENCHING, SHORING, TRAFFIC CONTROL, AND SECURITY.
8. 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.
9. IF, DURING THE CONSTRUCTION PROCESS, CONDITIONS ARE ENCOUNTERED WHICH COULD INDICATE A SITUATION THAT IS NOT IDENTIFIED IN THE PLANS OR SPECIFICATIONS, THE DEVELOPER SHALL CONTACT THE DESIGNER AND THE LOCAL ENTITY ENGINEER IMMEDIATELY.
10. THE CONTRACTOR SHALL REFER TO AN APPROVED GEOTECHNICAL STUDY FOR ADDITIONAL INFORMATION PERTAINING TO THE SITE CONSTRUCTION, MATERIALS AND PAVEMENTS.
11. CONTRACTOR SHALL REFER TO THE APPROVED EROSION CONTROL MANAGEMENT PLAN FOR IMPLEMENTATION OF BEST MANAGEMENT PRACTICES TO MINIMIZE OR ELIMINATE EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.

GRADING NOTES:

1. REFER TO THE ROADWAY PLANS FOR GRADING AND CONSTRUCTION DETAIL IN THE PUBLIC RIGHT OF WAY.
2. REFER TO APPROVED GEOTECHNICAL REPORT FOR ADDITIONAL CONSTRUCTION AND GRADING REQUIREMENTS.
3. STOCKPILE ONSITE TOPSOIL FOR REUSE ONSITE. LOCATIONS OF TOPSOIL REUSE SHALL BE IN LANDSCAPE AREAS, OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.
4. WOOD FRAMING MEMBERS, INCLUDING WOOD SHEATHING, THAT ARE IN CONTACT WITH EXTERIOR FOUNDATION WALLS AND ARE LESS THAN EIGHT (8) INCHES FROM EXPOSED EARTH SHALL BE OF NATURALLY DURABLE OR PRESERVATIVE-TREATED WOOD.
5. FOR ALL AREAS ADJACENT TO STRUCTURES THAT ARE HARD SURFACE, THE FINAL FINISH GRADE SHALL FALL AWAY FROM THE BUILDING AT A GRADE OF 1.8% (MIN) FOR PEDESTRIAN PATHS OR 3% FOR NON-PEDESTRIAN AREAS.
6. FOR ALL AREAS ADJACENT TO STRUCTURES THAT ARE NOT HARD SURFACE, THE FINAL FINISH GRADE SHALL FALL AWAY FROM THE BUILDING AT A GRADE OF 10% (MIN) FOR 10-FT (MIN.), UNLESS MODIFIED BY AN APPROVED GEOTECHNICAL STUDY.
7. STEPS AND GRADES SHOWN INSIDE BUILDING ENVELOPES AND GARAGES ARE FOR INFORMATION ONLY. REFER TO ARCHITECTURAL PLANS FOR CONSTRUCTION DETAILS.
8. REFER TO THE ARCHITECTURAL AND/OR STRUCTURAL PLANS FOR THE LOCATION AND EXTENT OF FOUNDATION STEM WALLS AND/ OR EXPOSED FOUNDATION.
9. REFER TO THE LANDSCAPE PLANS FOR RETAINING WALL MATERIALS AND CONSTRUCTION DETAILS.
10. SPOT ELEVATIONS TAKE PRECEDENCE OVER CONTOURS.
11. SPOT ELEVATIONS ARE FLOWLINE OR FINISH GRADE UNLESS OTHERWISE INDICATED.
12. SIDEWALKS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF FIVE PERCENT (5%).
13. RAMP AND SIDEWALK CROSS-SLOPES SHALL NOT EXCEED 2%.
14. RAMPS SHALL HAVE A MAXIMUM LONGITUDINAL SLOPE OF 12:1 (8.33%) AND SHALL NOT EXCEED THIRTY FEET IN LENGTH OR THIRTY INCHES IN HEIGHT, WITHOUT INTERMEDIATE LANDINGS.
15. RAMPS, EXCEPT CURB RAMPS, SHALL HAVE HAND RAILS ON BOTH SIDES.
16. ALL SITE STEP TREADS ARE 11-INCHES DEEP UNLESS OTHERWISE NOTED.
17. STAIRWAY AND RAMP LANDINGS SHALL HAVE A MAXIMUM SLOPE, IN ANY DIRECTION, OF TWO PERCENT AND SHALL NOT BE LESS THAN THE WIDTH OF THE STAIRS AND 5-FT LONG, UNLESS OTHERWISE INDICATED ON THE PLAN.
18. ALL RAMPS AND STAIRS SHALL BE CONSTRUCTED, INCLUDING THE USE OF RAILINGS, IN ACCORDANCE WITH APPLICABLE ADA (ADAAG), FAIR HOUSING STANDARDS, AND BUILDING CODE STANDARDS.
19. EDGE PROTECTION SHALL BE PROVIDED IN ACCORDANCE WITH APPLICABLE CODES AT ALL LOCATIONS WHICH REQUIRE HANDRAILS.
20. RE: LANDSCAPE PLANS AND/OR ARCHITECTURAL PLANS FOR HANDRAIL DETAIL.
21. RETAINING WALL ELEVATIONS ARE SHOWN TO THE EXPOSED FACE OF WALL AT THE TOE AND THE TOP OF WALL.
22. RETAINING WALLS ARE TO BE DESIGNED BY OTHERS.
23. THE CONTRACTOR SHALL REVIEW ALL ELEVATIONS WITH THEIR SURVEYOR PRIOR TO STAKING AND CONSTRUCTION OF THE BUILDINGS.
24. REFER TO LANDSCAPE PLANS FOR PLANTER DESIGN INCLUDING HEIGHT ABOVE FINISH GRADE.
25. ALL ROOF DOWNSPOUTS MUST CONNECT TO THE ROOF DRAIN PIPING SYSTEM OR DOWNSPOUTS THAT DISCHARGE TO THE SURFACE SHALL SPILL ONTO THE SPLASH BLOCKS THAT EXTEND A MINIMUM OF FIVE (5) FEET AWAY FROM THE FOUNDATION.

PAVING, SIGNING & STRIPING NOTES:

1. PAVING OF PUBLIC STREETS AND SIDEWALKS SHALL BE IN ACCORDANCE WITH THE GOVERNING AGENCY CRITERIA.
2. ALL ONSITE CURB AND GUTTER IS 6-IN VERTICAL WITH 1-FT SPILL PAN UNLESS OTHERWISE INDICATED.
3. ON SITE SIDEWALK SHALL BE 4-IN THICK MIN. AND 6-IN THICK (MIN) IF IT CROSSES A DRIVING SURFACE).
4. CONCRETE PAVING JOINTS SHALL BE IN CONFORMANCE WITH GOVERNING AGENCY ROADWAY STANDARDS OR, IN THE ABSENCE OF A STANDARD, THE COLORADO DEPARTMENT OF TRANSPORTATION (CDOT) M & S STANDARDS, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
5. UNLESS SPECIFICALLY DETAILED ON THESE PLANS AND REFERENCED TO AN APPROVED GEOTECHNICAL STUDY, THESE PLANS DO NOT DETAIL THE REQUIRED PAVING SECTIONS.
6. SUBGRADE SHALL BE PREPARED IN ACCORDANCE WITH CDOT CRITERIA AND COMPACTED TO 95% OPTIMUM DENSITY IN ACCORDANCE WITH AASHTO T-99, UNLESS FURTHER RESTRICTED BY THE APPROVED PAVING DESIGN.
7. ALL PAVEMENT IS ASPHALT UNLESS OTHERWISE INDICATED. NO CONTRACTION OR EXPANSION JOINTS SHALL BE LOCATED WITHIN TWELVE INCHES (LONGITUDINALLY) OF THE FLOWLINE.
8. CONCRETE FOR DRIVING SURFACES SHALL BE CDOT CLASS P UNLESS OTHERWISE INDICATED OR APPROVED BY THE ENGINEER.
9. TOOLED OR SAWED CONTRACTION JOINTS AT 8-FT ON CENTER (MAX) OR AS SHOWN ON PLAN.
10. ALL CONCRETE JOINTS PER CDOT STANDARDS.
11. ALL EXPANSION JOINTS SHALL BE SEALED PER CDOT STANDARDS.
12. ALL NEW OR RELOCATED STREET/TRAFFIC SIGNS SHALL BE INSTALLED PER CURRENT GOVERNING MUNICIPALITY STANDARDS.
13. SIGNAGE AND STRIPING SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS. IN THE ABSENCE OF A STANDARD IT SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION.
14. STRIPING OUTSIDE OF THE RIGHT-OF-WAY SHALL BE EPOXY PAINT. SYMBOLS SHALL BE METHYL METHACRYLATE, HOT APPLIED THERMOPLASTIC (90 MIL), PREFORMED PLASTIC (90 MIL) OR INLAYED TAPE (STAMARK), OR APPROVED EQUAL.

DEMOLITION NOTES:

1. THE WORK GENERALLY INCLUDES REMOVAL/DEMOLITION OF INDICATED EXISTING SURFACE FEATURES (I.E. STRUCTURES, CURB, GUTTER, DRAINAGE STRUCTURES, ASPHALT, LIGHTS, VEGETATION, ETC.) AND UNDERGROUND UTILITIES (I.E. ELECTRIC LINES, GAS LINES, FIBER OPTIC LINES, DRAINAGE LINES, ETC), WITHIN THE PROPERTY BOUNDARY. NO WORK UNLESS SPECIFICALLY NOTED SHALL BE OUTSIDE OF THE SUBJECT PROPERTY. SEE PLANS FOR LIMITS OF REMOVAL/ DEMOLITION.
2. LIMITS OF REMOVAL SHOWN ARE APPROXIMATE.
3. CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS INCLUDING SITE SAFETY FOR ALL ASPECTS OF DEMOLITION INCLUDING OPERATION WITHIN THE REGULATIONS OF GOVERNING AGENCIES.
4. ALL UNDERGROUND STORM SEWER, WATER, SANITARY SEWER, GAS, ELECTRIC, OTHER UTILITY LOCATIONS, AND EXISTING SITE APPURTENANCES ARE BASED ON THE ALTA SURVEY PREPARED FOR THE SITE AND ARE TO BE CONSIDERED APPROXIMATE ONLY. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
5. ALL ITEMS NOTED AS "REMOVE" SHALL BE DEMOLISHED/REMOVED FROM THE SITE. ALL ITEMS NOTED "VERIFY/REMOVE" SHALL BE REMOVED ONLY AFTER VERIFICATION THAT THE UTILITY IS NO LONGER NEEDED TO PROVIDE SERVICE TO ANY ADJACENT PROPERTIES OR USERS. COORDINATE WITH LOCAL UTILITY PROVIDER. ALL ITEMS NOTED FOR REUSE SHALL BE REPLACED AS DIRECTED. HOWEVER, THE GOVERNING AGENCY (IN THE INSTANCE OF PUBLIC INFRASTRUCTURE) OR THE ENGINEER SHALL DETERMINE IF THE ITEM IS IN ADEQUATE CONDITION TO BE REUSED.
6. ITEMS TO BE REUSED SHALL BE REMOVED AND SAFELY STORED AS NECESSARY PRIOR TO REPLACEMENT.
7. UNLESS SPECIFICALLY DIRECTED, THE CONTRACTOR SHALL DISPOSE OF CONCRETE, ASPHALT RUBBLE AND ANY OTHER DEMOLISHED/ REMOVED MATERIALS OFFSITE.
8. CONTRACTOR SHALL DISPOSE OF AND TRANSPORT DEBRIS TO OFFSITE IN A SAFE AND LEGAL MANNER AND SHALL NOT STORE OR BURN MATERIALS ONSITE. CONTRACTOR SHALL HANDLE AND DISPOSE OF ALL DEBRIS IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REGULATIONS. DISPOSAL SHALL BE TRANSPORTED TO AN APPROVED LANDFILL OR OTHER APPROVED FACILITY.
9. CONCRETE SHALL BE REMOVED TO THE NEAREST JOINT.
10. THE CONTRACTOR SHALL VERIFY ALL UTILITIES HAVE BEEN DISCONNECTED AS REQUIRED FOR THE WORK.
11. CONTRACTOR SHALL ERECT BARRIERS, FENCES, GUARDRAILS, ENCLOSURES, ETC. TO PROTECT THE SITE AND IN ACCORDANCE WITH THE EROSION CONTROL PLAN.
12. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY TRAFFIC CONTROL (SIGNS, BARRICADES, FLAGMEN, LIGHTS, ETC) IN ACCORDANCE WITH THE MUTCD, CURRENT EDITION, AS REQUIRED FOR THE WORK.
13. CONTRACTOR SHALL OBTAIN ALL PERMITS AND LICENSES REQUIRED FOR DEMOLITION OF WORK SHOWN.
14. CONTRACTOR SHALL PROTECT ALL EXISTING SURVEY MONUMENTATION AND BENCHMARK(S). CONTRACTOR SHALL HAVE A LICENSED SURVEYOR REPLACE ANY DAMAGED OR DISTURBED MONUMENTATION AT THE CONTRACTOR'S COST.

DEMOLITION NOTES (CONT.):

15. CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, FEATURES, IMPROVEMENTS, AND UTILITIES (OVERHEAD OR UNDERGROUND) AT ALL TIMES DURING DEMOLITION AND CONSTRUCTION NOT INTENDED TO BE REMOVED OR DEMOLISHED. CONTRACTOR WILL BE RESPONSIBLE FOR ALL RESULTANT COSTS DUE TO SUCH DAMAGES.
16. REFER TO SHEET C3.10 FOR DEMOLITIONS IN THE RIGHT OF WAY.

GENERAL UTILITY NOTES:

1. DESIGN OF UTILITIES WITHIN FIVE (5) FEET OF THE BUILDING ARE EXCLUDED FROM THESE PLANS. UTILITIES, INCLUDING DOWNSPOUT CONNECTIONS, CLEAN-OUTS, ETC WITHIN FIVE (5) FEET OF THE BUILDING SHALL BE DETAILED BY THE ARCHITECT OR MECHANICAL ENGINEER.

SANITARY NOTES:

1. CONCRETE USED IN SANITARY SEWER STRUCTURES SHALL BE AS SPECIFIED BY THE GOVERNING AGENCY OR CLASS B AS DEFINED BY CDOT STANDARDS AND SPECIFICATIONS FOR ROAD AN BRIDGE CONSTRUCTION, IN THE ABSENCE OF AN AGENCY SPECIFICATION.
2. SEWER SERVICE CONNECTIONS WITH THE MAIN LINE SHALL BE IN ACCORDANCE WITH GOVERNING AGENCY STANDARDS. IF NO STANDARD EXISTS, WYE OR TEE (AS NOTED ON PLANS) SHALL BE CUT INTO THE MAIN LINE AND INSTALLED WITH FLEXIBLE NON-SHEAR REINFORCED COUPLINGS ON THE MAIN.
3. IF NOT SPECIFIED BY THE UTILITY DISTRICT, SANITARY SEWER SERVICE CONNECTIONS TO THE MAINLINE SHALL CONNECT AT 2:00 OR 10:00 ON THE MAIN.
4. MINIMUM DROP FROM THE SERVICE LINE BEND TO THE MAIN SHALL BE EQUAL TO THE SIZE OF THE MAINLINE.
5. SLOPE OF SERVICE LINES SHALL BE AS NOTED ON PLANS.
6. PIPE AND FITTINGS SHALL BE PER GOVERNING AGENCY STANDARD AN IN THE ABSENCE OF A STANDARD SHALL BE PVC SDR 35, MEETING ASTM D3034.
7. BEDDING SHALL BE PROVIDED AND PLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARD OR APPROVED EQUAL.
8. PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
9. ALL PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLES.
10. COORDINATES FOR MANHOLES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE INDICATED.

STORM NOTES:

1. CONCRETE USED IN STORM SEWER STRUCTURES SHALL BE AS SPECIFIED BY THE GOVERNING AGENCY OR CLASS B AS DEFINED BY CDOT STANDARDS AND SPECIFICATIONS FOR ROAD AN BRIDGE CONSTRUCTION, IN THE ABSENCE OF AN AGENCY SPECIFICATION.
2. REFER TO STORM SEWER PLANS FOR LANDSCAPE/ ROOF DRAINS AND DETENTION POND FACILITIES, INCLUDING OUTFALLS.
3. IF CONNECTED TO AN UNDERGROUND SYSTEM, DOWNSPOUTS SHALL HAVE AN OVERFLOW PROTECTION. REFER TO ARCHITECTURAL PLANS.
4. ALL PVC PIPE SHALL BE PVC SCHEDULE 40, OR APPROVED EQUAL.
5. ALL CONCRETE PIPE SHALL BE REINFORCED AND CLASS III (MIN).
6. SLOPE OF SERVICE LINES SHALL BE AS NOTED ON PLANS.
7. BEDDING SHALL BE PROVIDED AND PLACED IN ACCORDANCE WITH GOVERNING AGENCY STANDARD OR APPROVED EQUAL.
8. PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
9. ALL PIPE LENGTHS ARE MEASURED TO CENTER OF MANHOLES AND LANDSCAPE INLETS, AND INSIDE FACE OF OTHER STRUCTURES.
10. COORDINATES FOR TYPE R INLETS ARE TO FLOWLINE AT MIDPOINT OF INLET.
11. COORDINATES FOR ALL OTHER STRUCTURES ARE TO CENTER OF STRUCTURE, UNLESS OTHERWISE INDICATED.
12. LANDSCAPE DRAINS (18" SQUARE OR SMALLER) SHALL BE NDS CATCH BASINS WITH ADA COMPLIANT GRATES THAT MEET HS-20 LOADING OR APPROVED EQUAL, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

ABBREVIATIONS

AC	ASPHALTIC CONCRETE
B.O.P.	BOTTOM OF PIPE
CC	CONCRETE
CL	ROADWAY CENTERLINE
CMP	CORRUGATED METAL PIPE
CR	CURB RAMP
DE / DEMO	DEMOLITION
DIA	DIAMETER
DWG	DRAWING
DRNG	DRAINAGE
ESMT	EASEMENT
E / ELEC	ELECTRICAL
E	EAST
EC	EDGE OF CONCRETE
EG	EXISTING GRADE
EL / ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EX / EXIST	EXISTING
FES	FLARED END SECTION
FG	FINISHED GRADE
FL	FLOWLINE
FH	FIRE HYDRANT
FO	FIBER OPTIC
G	GAS
GND	GROUND
GRV	GRAVEL
HGL	HYDRAULIC GRADE LINE
HORIZ	HORIZONTAL
HP	HIGH POINT
INT	INTERSECTION
INV	INVERT
LP	LOW POINT
LF	LEFT
LN	LANE
LS	LIFT STATIO
MAT	MATERIAL
MAX	MAXIMUM
MH	MANHOLE
MIN	MINIMUM
N	NORTH
NO.	NUMBER
NTS	NOT TO SCALE
OH	OVERHEAD
OHEL	OVERHEAD ELECTRICAL
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PCR	POINT OF CURVATURE, REVERSE
PE	PROFESSIONAL ENGINEER
PI	POINT OF INTERSECTION
PLS	PROFESSIONAL LAND SURVEYOR
PR	PROPOSED
PT	POINT OF TANGENCY / POINT
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVMT	PAVEMENT
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS / RIGHT
REC	RECORDING
RCP	REINFORCED CONCRETE PIPE
R.O.W.	RIGHT-OF-WAY
RD	ROAD / ROADWAY
RT	RIGHT
S	SOUTH
SD	STORM DRAIN
SEC	SECTION
SHT	SHEET
SI	SIGNING & STRIPING
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
SW	SIDEWALK
T / TELE	TELEPHONE
TBC	TOP BACK OF CURB
TC	TOP OF CURB / TRAFFIC CONTROL
TOE	TOE OF SLOPE
TOW	TOP OF WALL
T.O.P.	TOP OF PIPE
TYP	TYPICAL
TV	TELEVISION
UE	UTILITY EASEMENT
VERT	VERTICAL
VC	VERTICAL CURVE
W	WEST / WATER
WT	WATER
XC	CROSS-SECTION
Y1	SINGLE YELLOW STRIPE
Y2	DOUBLE YELLOW STRIPE

LEGEND

- 6350 — PROPOSED MAJOR CONTOUR
- 6349 — PROPOSED MINOR CONTOUR
- 6350 — EXISTING MAJOR CONTOUR
- 6349 — EXISTING MINOR CONTOUR
- FG — FINISHED GRADE
- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- CENTERLINE
- LOT / TRACT / PARCEL BOUNDARY
- SIGHT / SAFETY TRIANGLE
- 1 / LOT 1 — BLOCK NUMBER / LOT NUMBER
- DRAINAGE SWALE
- GUARDRAIL
- STREET LIGHT
- STREET SIGNS
- CURB RAMPS
- TOWNHOMES
- ROAD WARPING
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- RIPRAP
- SOIL RIPRAP
- SAWCUT
- STORM (FES, MH, & INLET)
- SANITARY
- WATER (HYDRANT, VALVE, BEND, MH)
- RAW WATER (VALVE, BEND, ARV)
- FOREBAY
- STORM INLETS (TYPE C, D, 13, & R)
- STORM 100 YEAR HGL
- STORM 5 YEAR HGL
- A — A LOT
- B — B LOT
- WO — WALKOUT LOT
- T — TRANSITION LOT
- EX STORM (FES, MH, & INLET)
- EX SANITARY
- EX WATER (HYDRANT, VALVE, BEND, MH)
- OHUT — EXISTING OVERHEAD ELECTRIC
- UE — EXISTING UNDERGROUND ELECTRIC
- EXISTING STORM
- EXISTING SWALE
- EXISTING SANITARY CLEAN OUT
- EXISTING TREE
- EXISTING SIGN
- W — EXISTING WATER
- G — EXISTING GAS
- FO — EXISTING FIBER OPTIC
- UE — EXISTING ELECTRIC
- T — T — EXISTING TELEPHONE
- X — EXISTING FENCE
- WET — WET — EXISTING WETLAND
- EX BOLLARD
- EB — EX ELECTRIC BREAKER BOX
- EX FIBER OPTIC VAULT
- EX GAS METER
- MP — EX METAL POST
- EX OIL & GAS WELL
- EX TELEPHONE PEDESTAL
- EXISTING POWER POLE & GUY WIRE
- EX WATER MH, METER, & VENT PIPE
- EX WATER VALVE & HYDRANT

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#	DATE	BY	REVISION DESCRIPTION
1	11/01/2024	MM	1ST SUBMITTAL
2	01/17/2025	MM	2ND SUBMITTAL

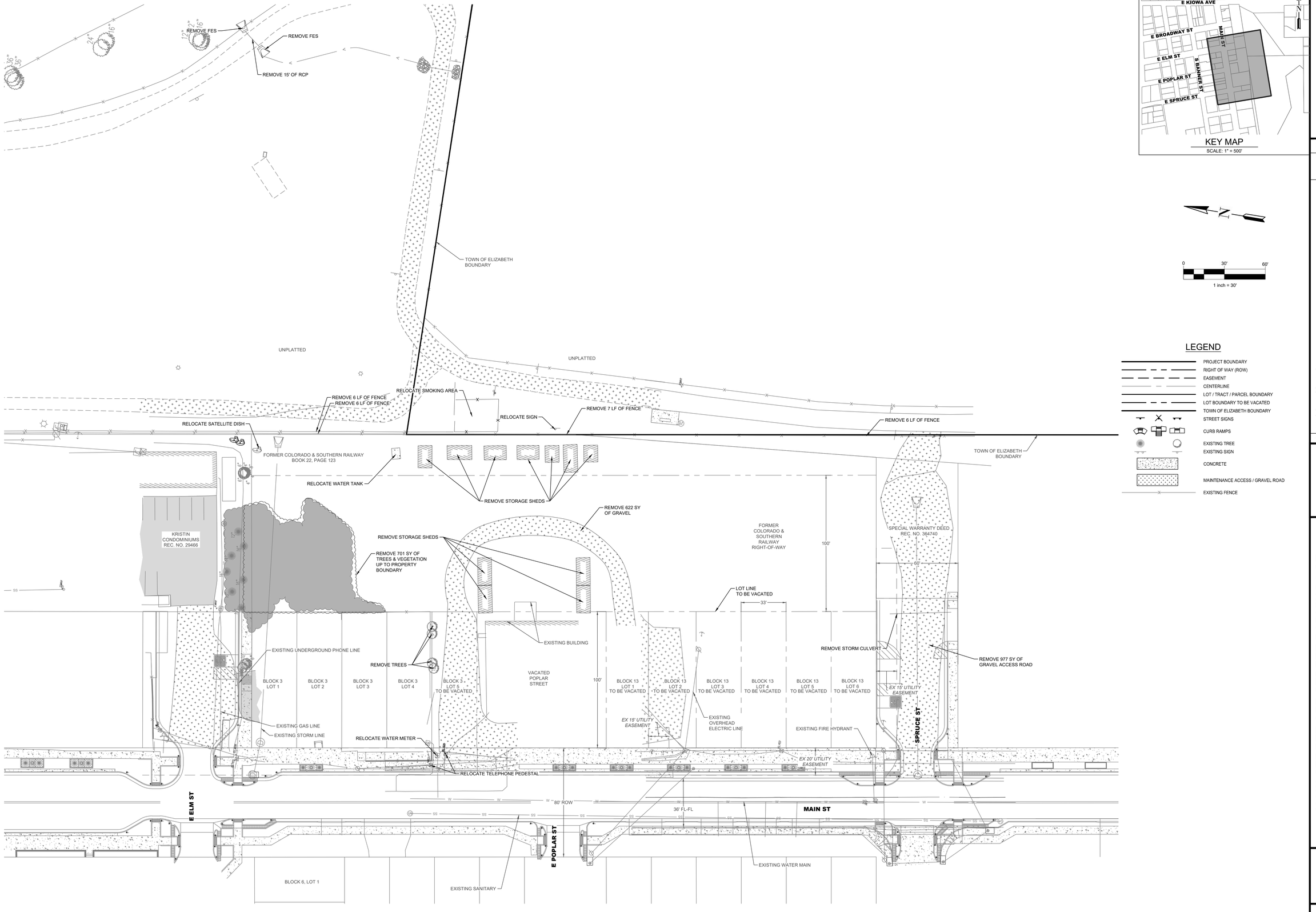
NOT FOR CONSTRUCTION

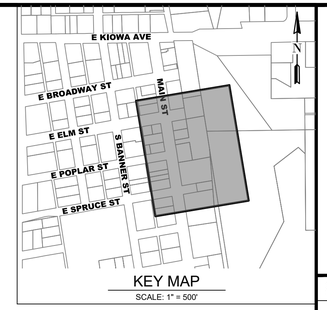
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
GENERAL NOTES

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

SHEET 2 OF 21

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GENERAL NOTES.DWG 1





KEY MAP

SCALE: 1" = 500'

0 30' 60'

1 inch = 30'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- CENTERLINE
- LOT / TRACT / PARCEL BOUNDARY
- LOT BOUNDARY TO BE VACATED
- TOWN OF ELIZABETH BOUNDARY
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

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ph. 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

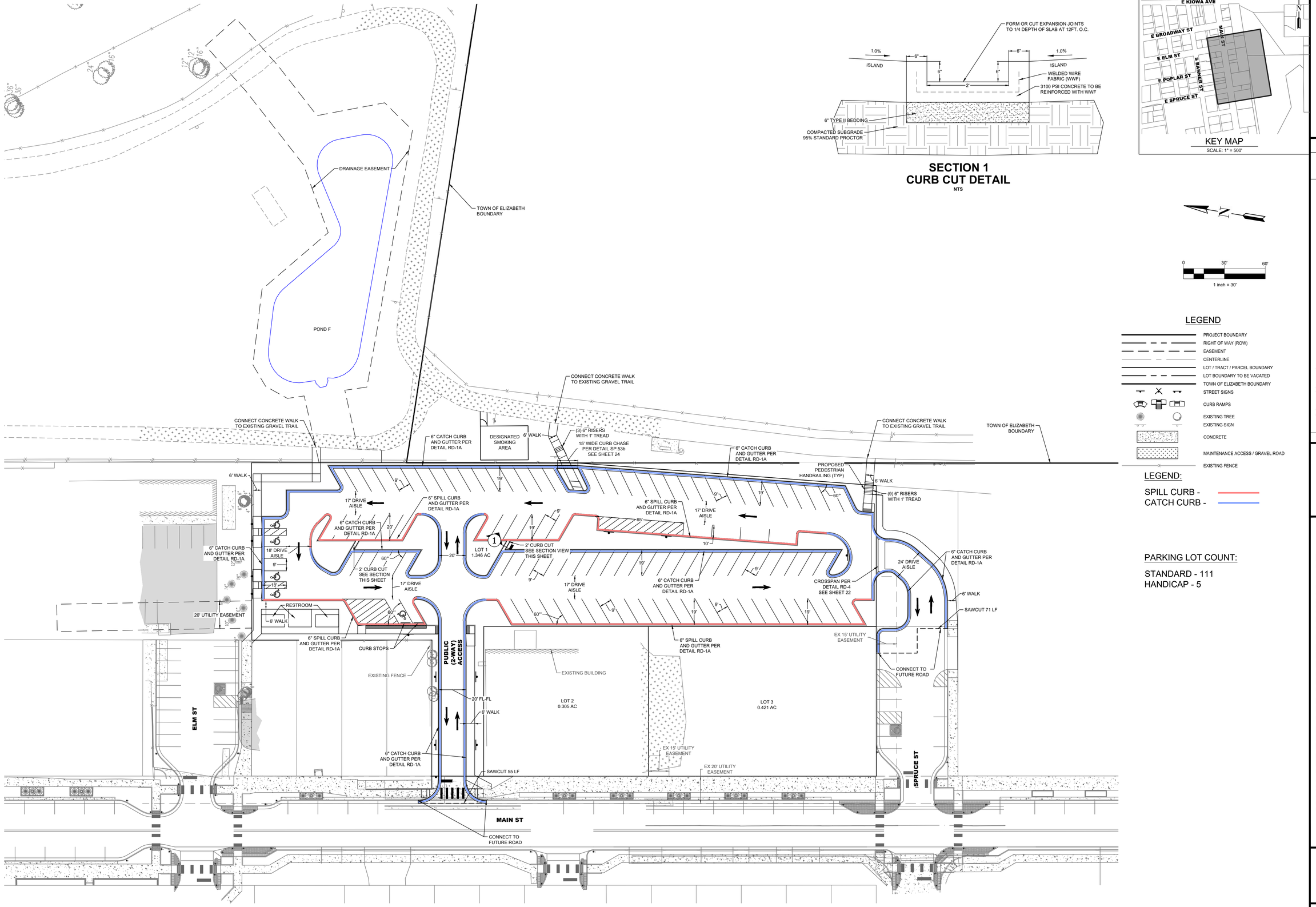
TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
EXISTING SITE & DEMO PLAN

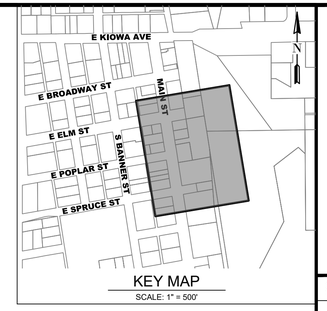
Know what's **below.** **Call** before you dig. 811

SHEET 3 OF 24

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS EXISTING&DEMO.DWG 1



SECTION 1
CURB CUT DETAIL
NTS



KEY MAP
SCALE: 1" = 500'

0 30' 60'
1 inch = 30'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- CENTERLINE
- LOT / TRACT / PARCEL BOUNDARY
- LOT BOUNDARY TO BE VACATED
- TOWN OF ELIZABETH BOUNDARY
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

SPILL CURB -
CATCH CURB -

PARKING LOT COUNT:

STANDARD - 111
HANDICAP - 5

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

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MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO

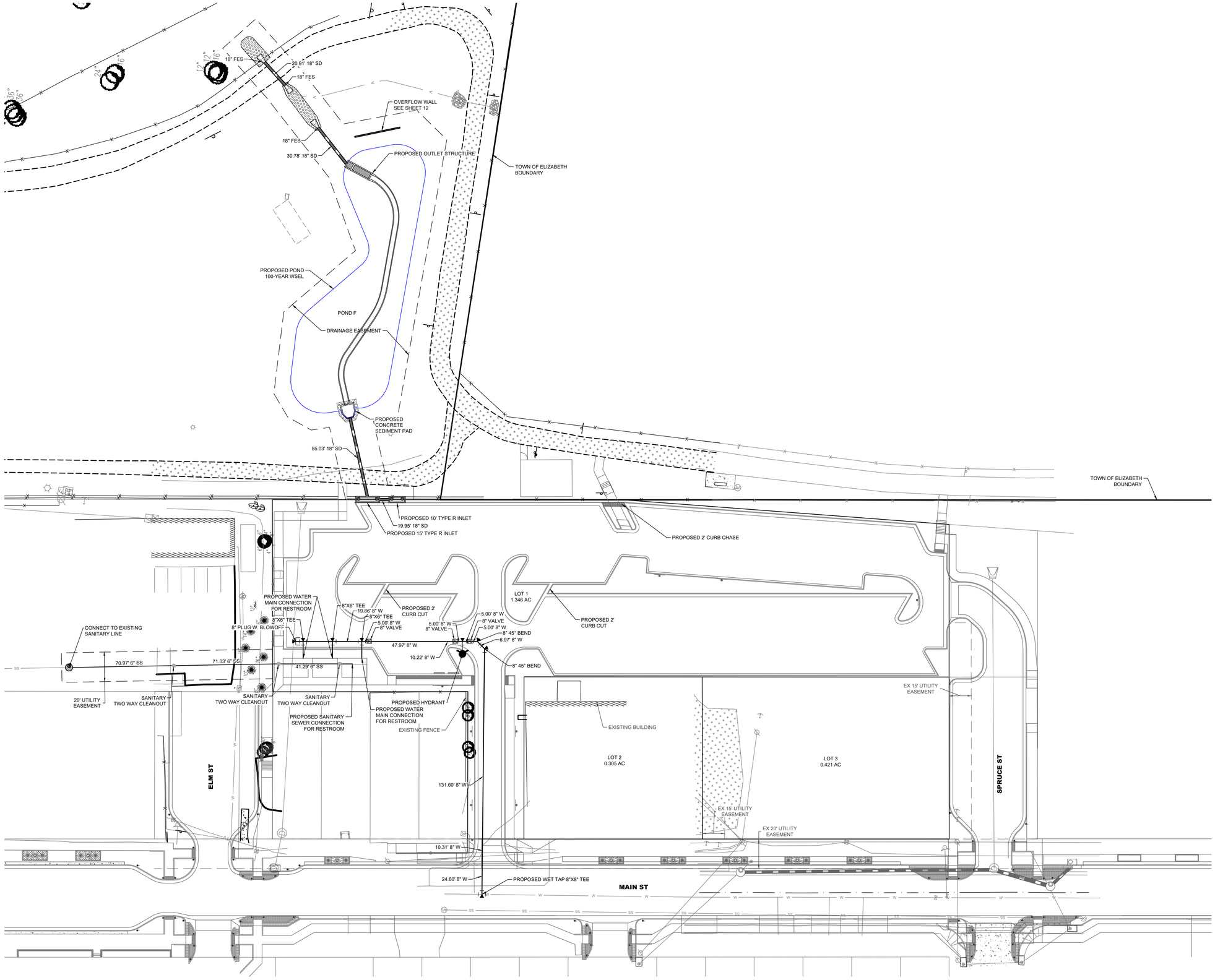
CONSTRUCTION DOCUMENTS
OVERALL SITE PLAN

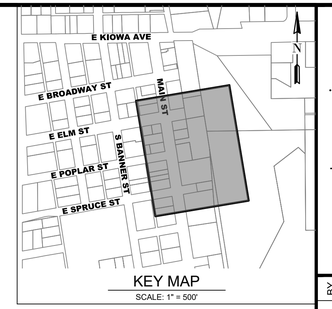
Know what's below. Call before you dig. 811

SHEET 4 OF

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1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS SITE PLAN.DWG 1





KEY MAP

SCALE: 1" = 500'

0 30' 60'

1 inch = 30'

LEGEND

- STORM (FES, MH, & INLET)
- STORM INLETS (TYPE C, D, 13, & R)
- SANITARY
- WATER (HYDRANT, VALVE, BEND, MH)
- 100-YR WSEL
- OHUT — EXISTING OVERHEAD ELECTRIC
- UE — EXISTING UNDERGROUND ELECTRIC
- X — EXISTING FENCE
- FO — EXISTING FIBER OPTIC
- G — EXISTING GAS
- D — EXISTING STORM
- UT — EXISTING TELEPHONE
- W — EXISTING WATER
- EXISTING SWALE
- EXISTING SANITARY CLEAN OUT
- EXISTING WATER MANHOLE
- MAINTENANCE ACCESS / GRAVEL TRAIL
- RIPRAP
- CONCRETE

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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

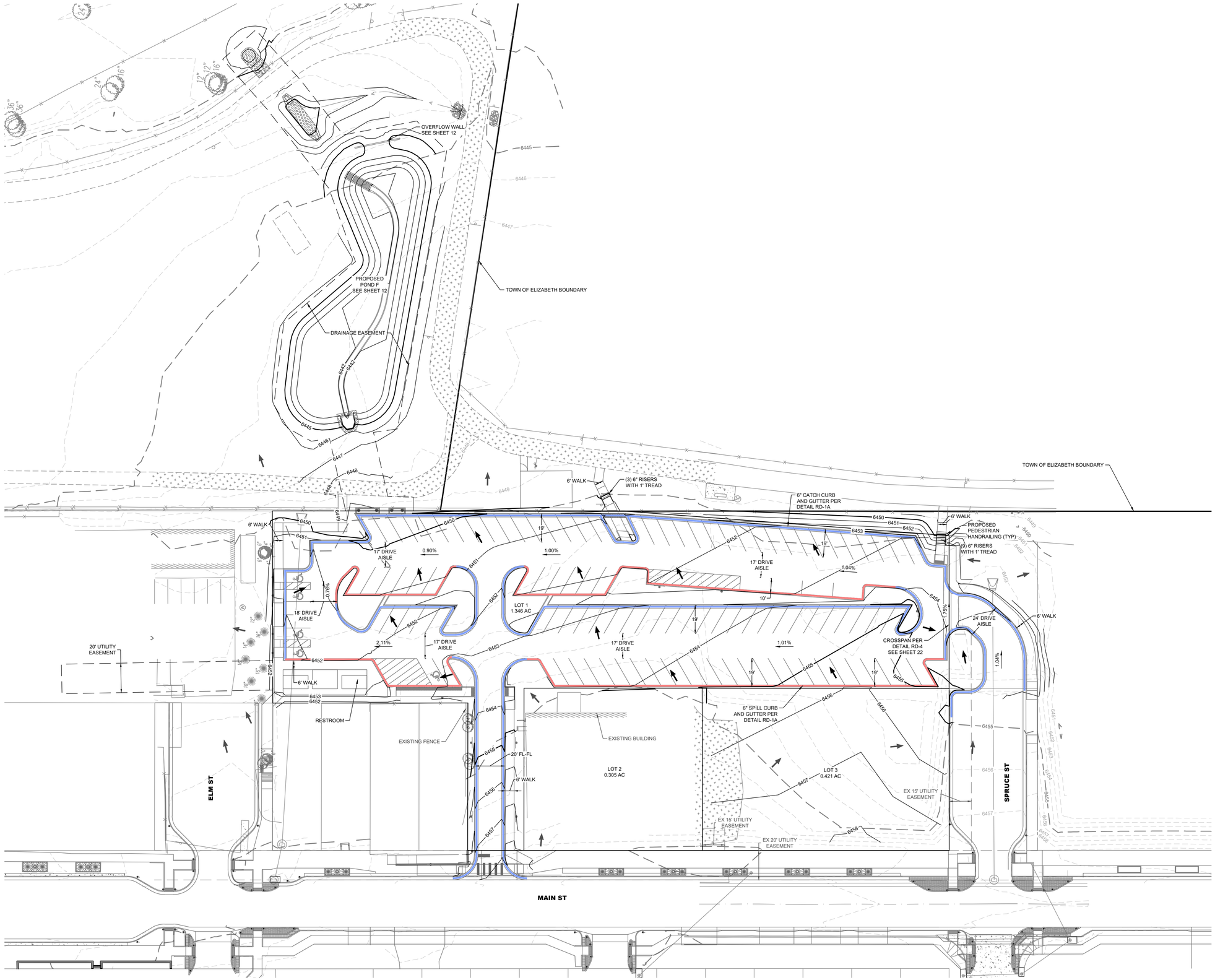
CONSTRUCTION DOCUMENTS

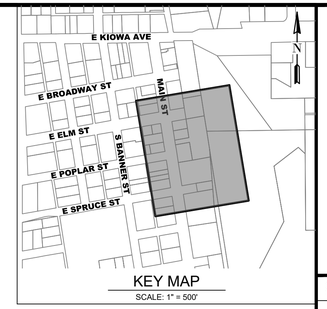
OVERALL UTILITY PLAN

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

SHEET 5 OF 24

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS UTILITY PLAN.DWG 1





0 30' 60'

1 inch = 30'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

SPILL CURB -

CATCH CURB -

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#	REVISION DESCRIPTION	DATE	BY
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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

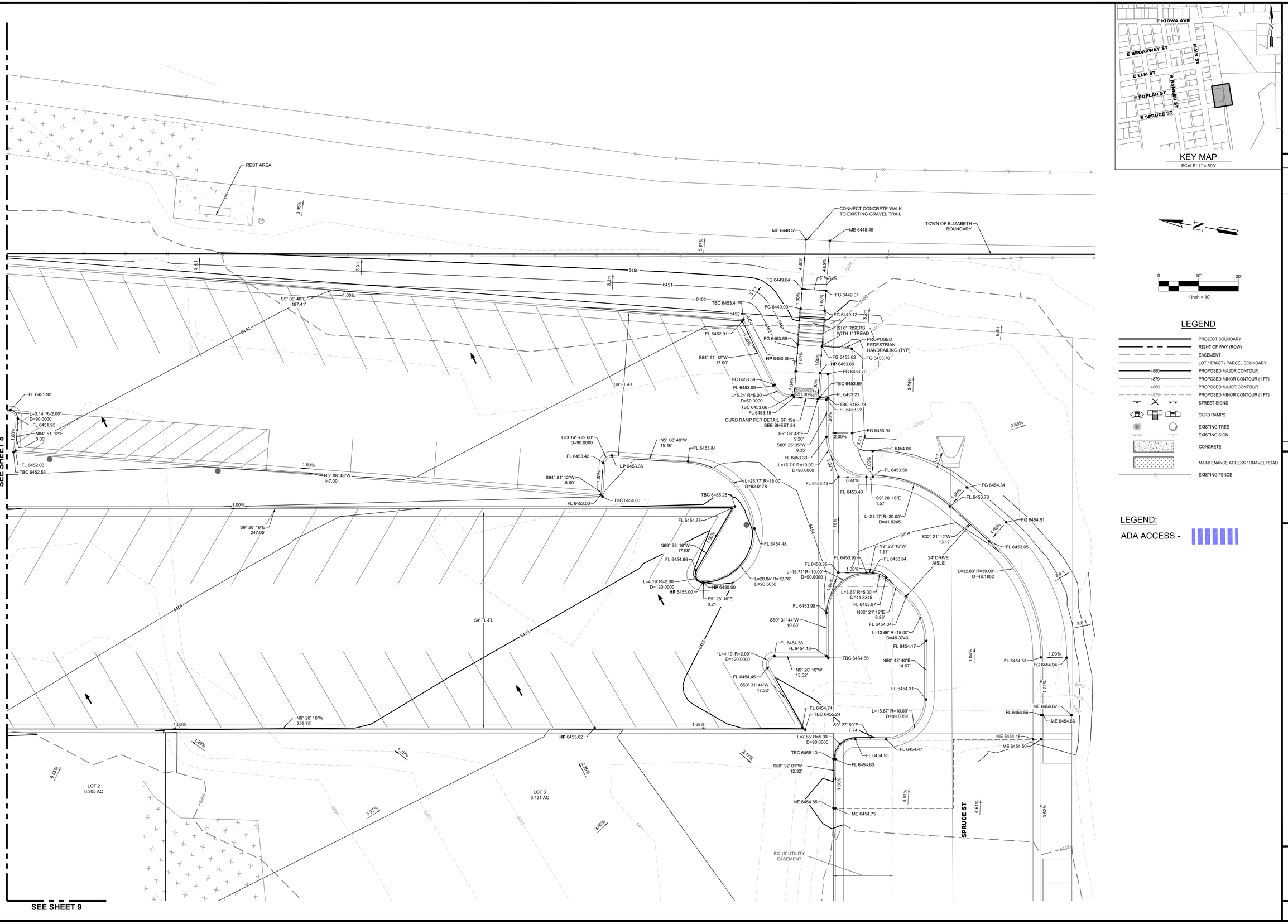
TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
OVERALL GRADING PLAN

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

SHEET 6 OF

1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GRADING PLAN.DWG 1



KEY MAP
SCALE: 1" = 500'

0 10' 20'
1 inch = 10'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

ADA ACCESS -

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

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MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
HORIZONTAL CONTROL & GRADING PLAN (1 OF 4)

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

SHEET 7 OF 24

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1/30/2025 11:23 AM X:\TOWN OF ELIZABETH\CAD\PLANSET\1 - MAIN ST PARKING\PRELIMINARY CDS DETAILED GRADING PLAN.DWG 1

SEE SHEET 10

SEE SHEET 7

SEE SHEET 9

DRAINAGE EASEMENT

TOWN OF ELIZABETH BOUNDARY

CONNECT CONCRETE WALK TO EXISTING GRAVEL TRAIL

CONNECT CONCRETE WALK TO EXISTING GRAVEL TRAIL

DESIGNATED SMOKING AREA

PROPOSED PEDESTRIAN HANDRAILING (TYP)

(3) 6" RISERS WITH 1' TREADS

6' WALK

CURB CHASE

CURB RAMP PER DETAIL SP.19a ON SHEET 24

CURB RAMP PER DETAIL SP.20 ON SHEET 24

CURB RAMP PER DETAIL SP.20 ON SHEET 24

RESTROOM (SEE ARCHITECTURE PLANS)

RESTROOM (SEE ARCHITECTURE PLANS)

RESTROOM (SEE ARCHITECTURE PLANS)

20' UTILITY EASEMENT

2' WIDE INLAYED PATTERN OF TRUNCATED DOMES PER DETAIL RD-3A SEE SHEET 22

DRIVEWAY CUT PER DETAIL RD-2 SEE SHEET 22

EXISTING FENCE

EXISTING BUILDING

LOT 1
1.346 AC

LOT 2
0.305 AC

56' FL-FL

ME 6446.86
ME 6447.25
ME 6448.09
ME 6448.57
ME 6448.70
ME 6448.77
ME 6449.12
ME 6449.15
ME 6449.17
ME 6452.44
ME 6452.54

FG 6448.35
FG 6448.47
FG 6449.14
FG 6449.35
FG 6449.47
FG 6449.47
FG 6449.57
FG 6449.62
FG 6449.63
FG 6449.68
FG 6449.97
FG 6450.77
FG 6450.86
FG 6450.86
FG 6450.92
FG 6451.12
FG 6451.18
FG 6451.27
FG 6451.29
FG 6451.47
FG 6451.59
FG 6451.64
FG 6451.76
FG 6451.83
FG 6451.94
FG 6452.00
FG 6452.16
FG 6452.21
FG 6452.23
FG 6452.55
FG 6452.65
FG 6452.77
FG 6453.01
FG 6453.03
FG 6453.17

TBC 6449.49
TBC 6449.58
TBC 6451.21
TBC 6451.27
TBC 6451.41
TBC 6451.57
TBC 6451.60
TBC 6451.76
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TBC 6452.17
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TBC 6452.49
TBC 6452.55
TBC 6452.71
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TBC 6454.37
TBC 6454.45

FL 6449.58
FL 6449.69
FL 6450.57
FL 6450.63
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FL 6451.04
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FL 6453.28
FL 6453.36
FL 6453.45
FL 6453.48
FL 6453.64
FL 6453.71
FL 6453.77
FL 6454.54

HP 6451.40
HP 6451.73
HP 6451.76
HP 6451.88
HP 6452.23
HP 6452.37
HP 6452.85
HP 6453.48

LP 6449.11
LP 6450.52
LP 6450.59
LP 6450.77
LP 6451.59
LP 6451.77
LP 6452.17
LP 6453.06
LP 6453.19

L=4.19' R=2.00' D=120.0000
L=5.76' R=2.00' D=165.0000
L=14.14' R=18.00' D=45.0000
L=18.85' R=18.00' D=60.0000
L=7.85' R=5.00' D=90.0000
L=2.09' R=2.00' D=60.0000
L=2.09' R=2.00' D=59.9998
L=20.42' R=13.00' D=90.0002
L=4.19' R=2.00' D=119.9707
L=2.09' R=2.00' D=59.8849
L=25.13' R=16.00' D=90.0000
L=23.56' R=15.00' D=90.0000
L=2.25' R=2.00' D=64.3243

S9° 28' 16"E 37.61'
S9° 28' 16"E 13.00'
S9° 28' 16"E 1.38'
S9° 28' 16"E 28.22'
S9° 28' 16"E 31.81'
S9° 28' 16"E 20.78'
S9° 28' 16"E 18.34'
S9° 28' 16"E 7.99'
S9° 28' 16"E 1.20'
S9° 28' 16"E 3.37'
S9° 28' 16"E 7.85'
S9° 28' 16"E 20.78'
S9° 28' 16"E 16.18'
S9° 28' 16"E 15.99'
S9° 28' 16"E 16.18'
S9° 28' 16"E 15.10'
S9° 28' 16"E 6.84'
S9° 28' 16"E 2.31'
S9° 28' 16"E 7.85'
S9° 28' 16"E 20.78'
S9° 28' 16"E 35.66'
S9° 28' 16"E 18.48'
S9° 28' 16"E 50.24'
S9° 28' 16"E 58.90'
S9° 28' 16"E 0.37'
S9° 28' 16"E 0.43'
S9° 28' 16"E 6.96'
S9° 28' 16"E 19.66'
S9° 28' 16"E 2.31'
S9° 28' 16"E 1.38'
S9° 28' 16"E 13.00'
S9° 28' 16"E 7.99'
S9° 28' 16"E 1.20'
S9° 28' 16"E 3.37'
S9° 28' 16"E 7.85'
S9° 28' 16"E 20.78'
S9° 28' 16"E 16.18'
S9° 28' 16"E 15.99'
S9° 28' 16"E 16.18'
S9° 28' 16"E 15.10'
S9° 28' 16"E 6.84'
S9° 28' 16"E 2.31'
S9° 28' 16"E 7.85'
S9° 28' 16"E 20.78'
S9° 28' 16"E 35.66'
S9° 28' 16"E 18.48'
S9° 28' 16"E 50.24'
S9° 28' 16"E 58.90'
S9° 28' 16"E 0.37'
S9° 28' 16"E 0.43'
S9° 28' 16"E 6.96'
S9° 28' 16"E 19.66'
S9° 28' 16"E 2.31'
S9° 28' 16"E 1.38'
S9° 28' 16"E 13.00'
S9° 28' 16"E 7.99'
S9° 28' 16"E 1.20'
S9° 28' 16"E 3.37'
S9° 28' 16"E 7.85'
S9° 28' 16"E 20.78'
S9° 28' 16"E 16.18'
S9° 28' 16"E 15.99'
S9° 28' 16"E 16.18'
S9° 28' 16"E 15.10'
S9° 28' 16"E 6.84'
S9° 28' 16"E 2.31'
S9° 28' 16"E 7.85'
S9° 28' 16"E 20.78'
S9° 28' 16"E 35.66'
S9° 28' 16"E 18.48'
S9° 28' 16"E 50.24'
S9° 28' 16"E 58.90'
S9° 28' 16"E 0.37'
S9° 28' 16"E 0.43'
S9° 28' 16"E 6.96'
S9° 28' 16"E 19.66'

N80° 31' 44"E 14.42'
N80° 31' 44"E 61.50'
N80° 31' 44"E 4.53'
N50° 31' 44"E 17.32'
N50° 31' 44"E 19.63'
N69° 28' 16"W 7.99'
N69° 28' 16"W 16.41'
N69° 28' 16"W 18.29'
N9° 28' 16"W 49.64'
N9° 28' 16"W 0.37'
N9° 28' 16"W 2.31'
N9° 28' 16"W 35.66'
N9° 28' 16"W 0.43'
N9° 28' 16"W 50.24'
N9° 28' 16"W 58.90'
N9° 28' 16"W 6.96'
N20° 31' 44"E 5.73'
N54° 51' 12"E 15.10'
N50° 24' 50"E 19.66'
N5° 08' 48"W 14.67'
N69° 28' 16"W 20.71'
N9° 18' 52"W 16.18'

S50° 31' 44"W 17.32'
S80° 31' 44"W 18.80'
S54° 28' 16"E 7.78'
S69° 28' 16"E 28.22'
S69° 28' 16"E 20.78'
S69° 28' 16"E 18.34'
S69° 30' 01"E 18.47'
S50° 31' 44"W 18.48'
S9° 18' 52"E 15.99'
S9° 18' 52"E 16.18'
S5° 08' 48"E 6.84'
S9° 28' 16"E 1.38'
S9° 28' 16"E 1.20'

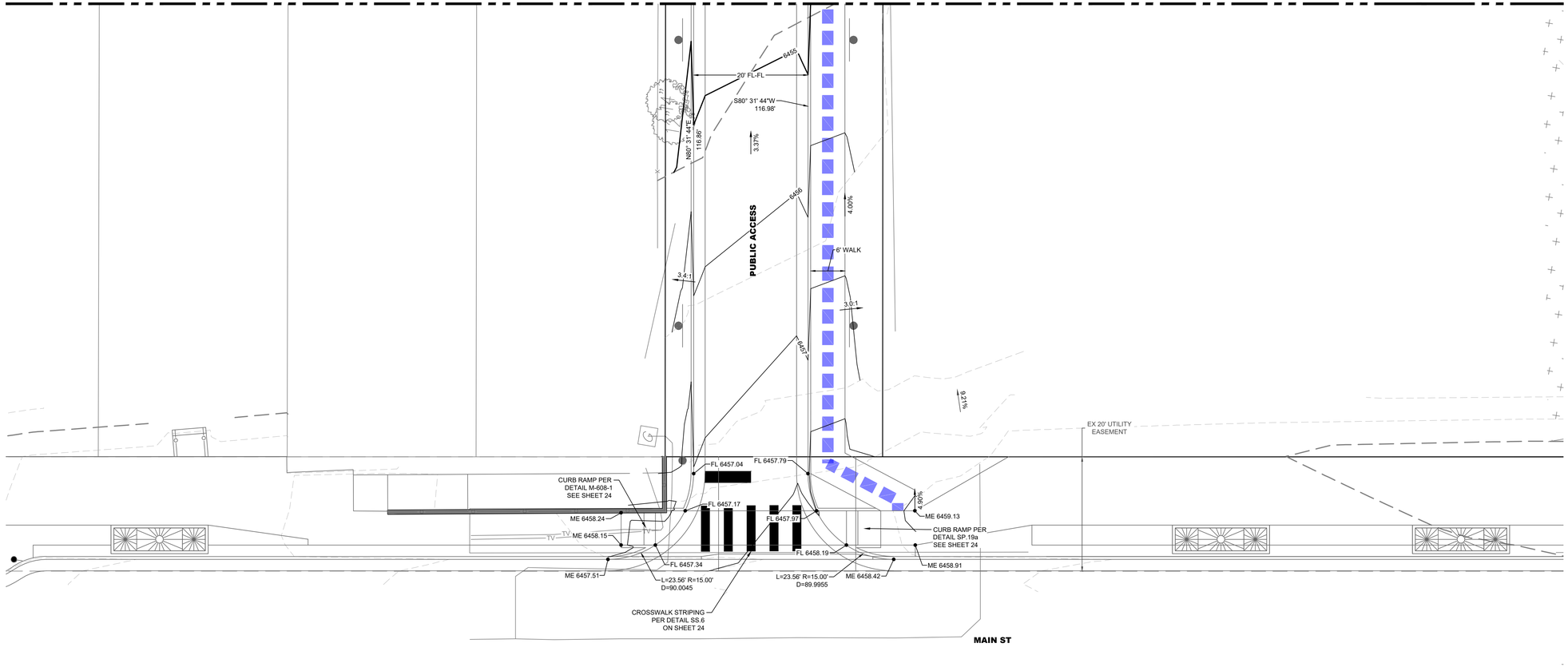
6' WALK
6' WALK
6' WALK

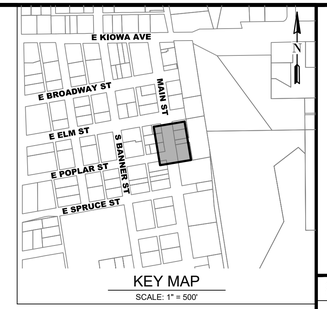
4.34%
3.26%
3.87%
3.04%
3.59%
4.61%
4.53%
2.00%
1.67%
1.58%
1.78%
1.69%
1.51%
1.25%
2.55%
2.61%
2.68%
1.89%
1.34%
4.08%
4.54%
4.78%
4.99%
5.08%
6.87%
7.98%
8.03%
8.58%
8.61%
10.00%
12.00%
14.00%
16.00%
3.4:1
2.1:1

1.00%
1.50%
2.00%
2.88%
2.91%
2.94%
2.98%
2.99%
3.00%
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3.31%
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3.33%
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3.36%
3.37%

SEE SHEET 8

SEE SHEET 7





KEY MAP

SCALE: 1" = 500'

0 10' 20'

1 inch = 10'

LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
- EXISTING TREE
- EXISTING SIGN
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

ADA ACCESS -

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

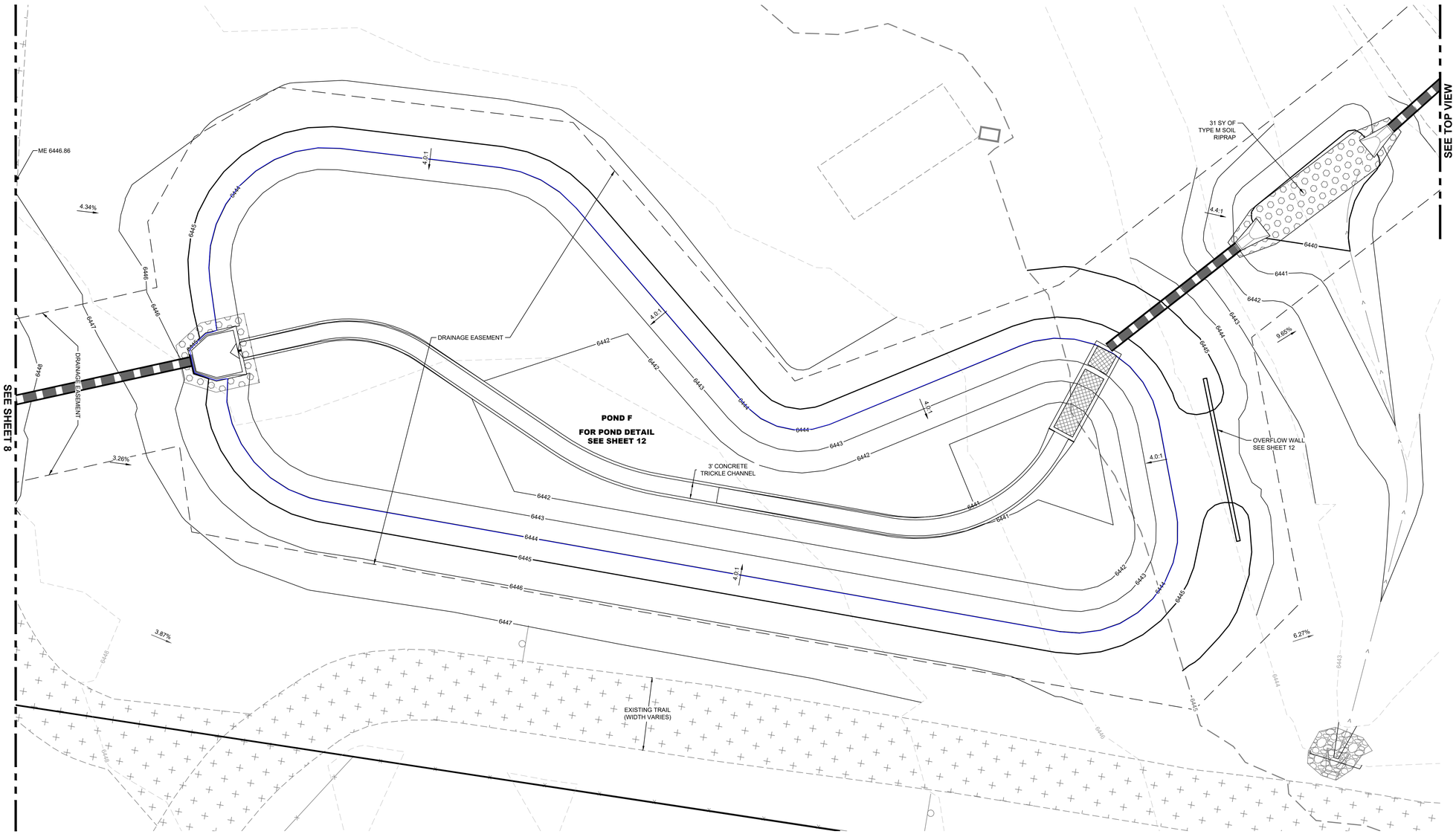
CONSTRUCTION DOCUMENTS

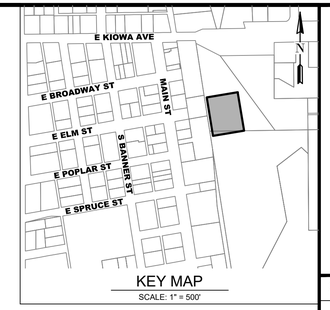
HORIZONTAL CONTROL & GRADING PLAN (3 OF 4)

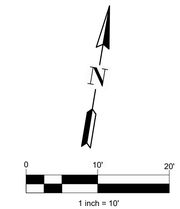
Know what's **below.** **Call** before you dig. 811

SHEET 9 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILED GRADING PLAN.DWG 3







LEGEND

- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT / TRACT / PARCEL BOUNDARY
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- 4880 PROPOSED MAJOR CONTOUR
- 4879 PROPOSED MINOR CONTOUR (1 FT)
- STREET SIGNS
- CURB RAMPS
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- MAINTENANCE ACCESS / GRAVEL ROAD
- EXISTING FENCE

LEGEND:

ADA ACCESS -

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Denver, CO 80231
ph. 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

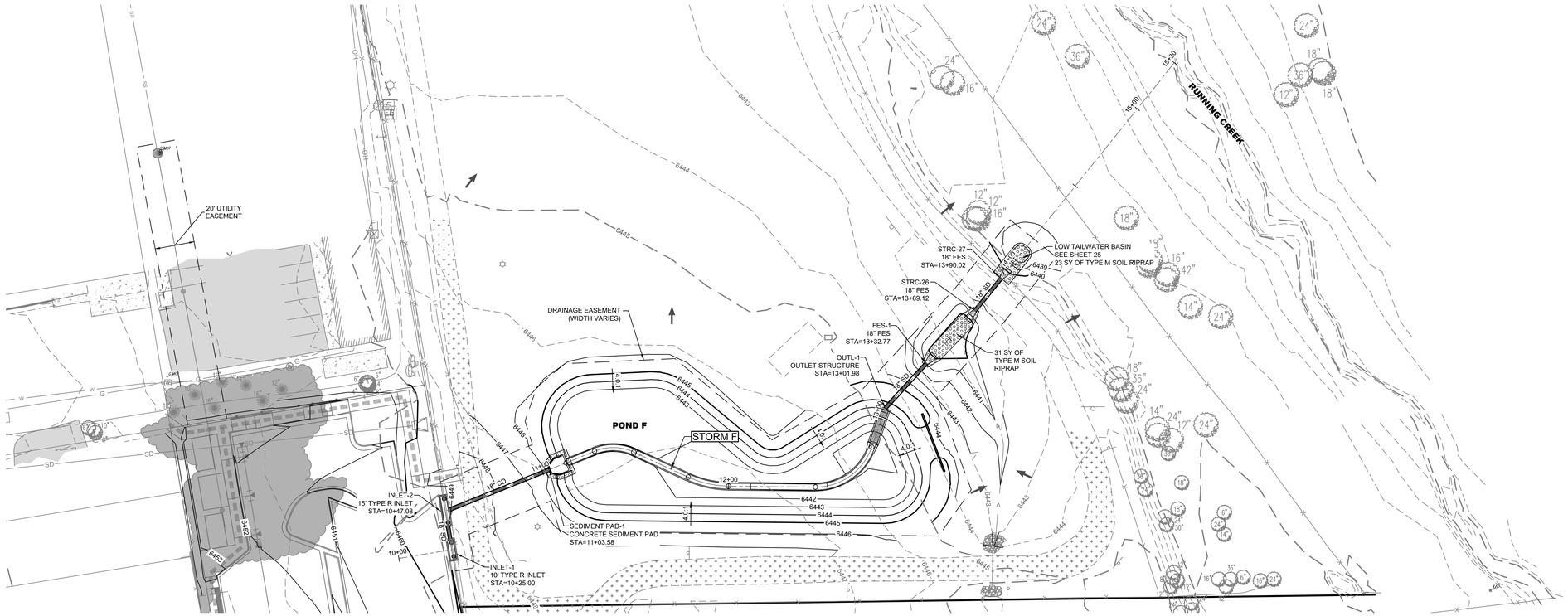
CONSTRUCTION DOCUMENTS

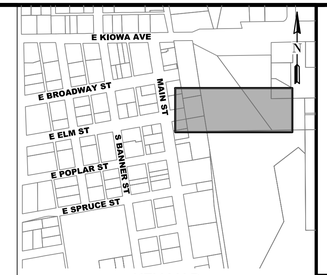
HORIZONTAL CONTROL & GRADING PLAN (4 OF 4)

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

SHEET 10 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILED GRADING PLAN.DWG 4





KEY MAP

SCALE: 1" = 500'

N

0 30' 60'

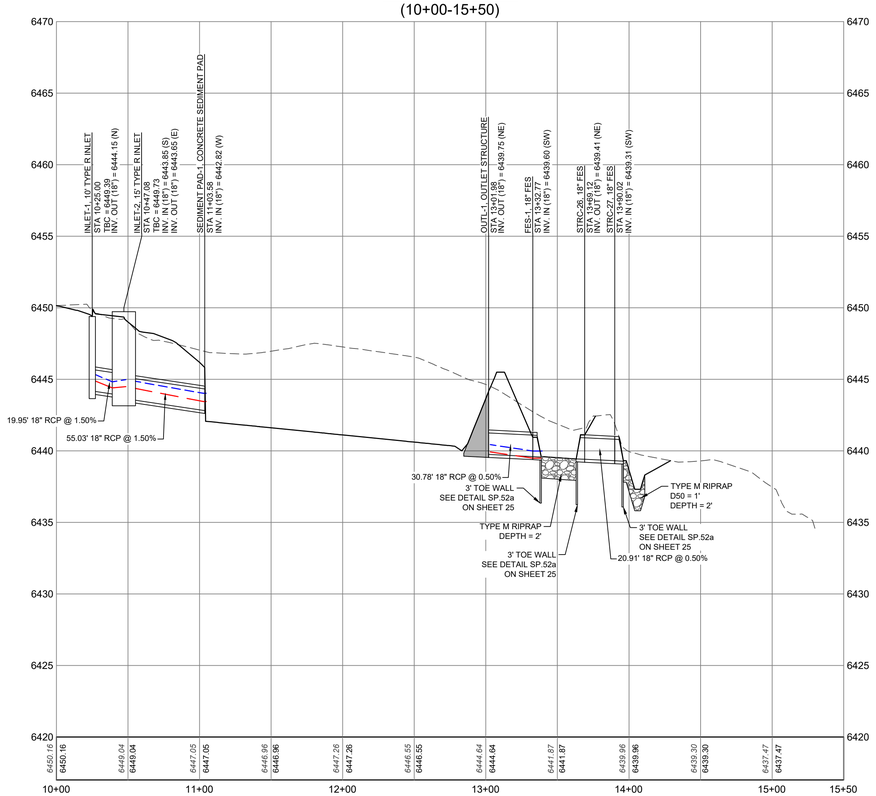
1 inch = 30'

PROFILE LEGEND

EXIST GRADE
PROP GRADE
1"=50' (HORZ) 1"=5' (VERT)

STORM F

(10+00-15+50)



terracina design
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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

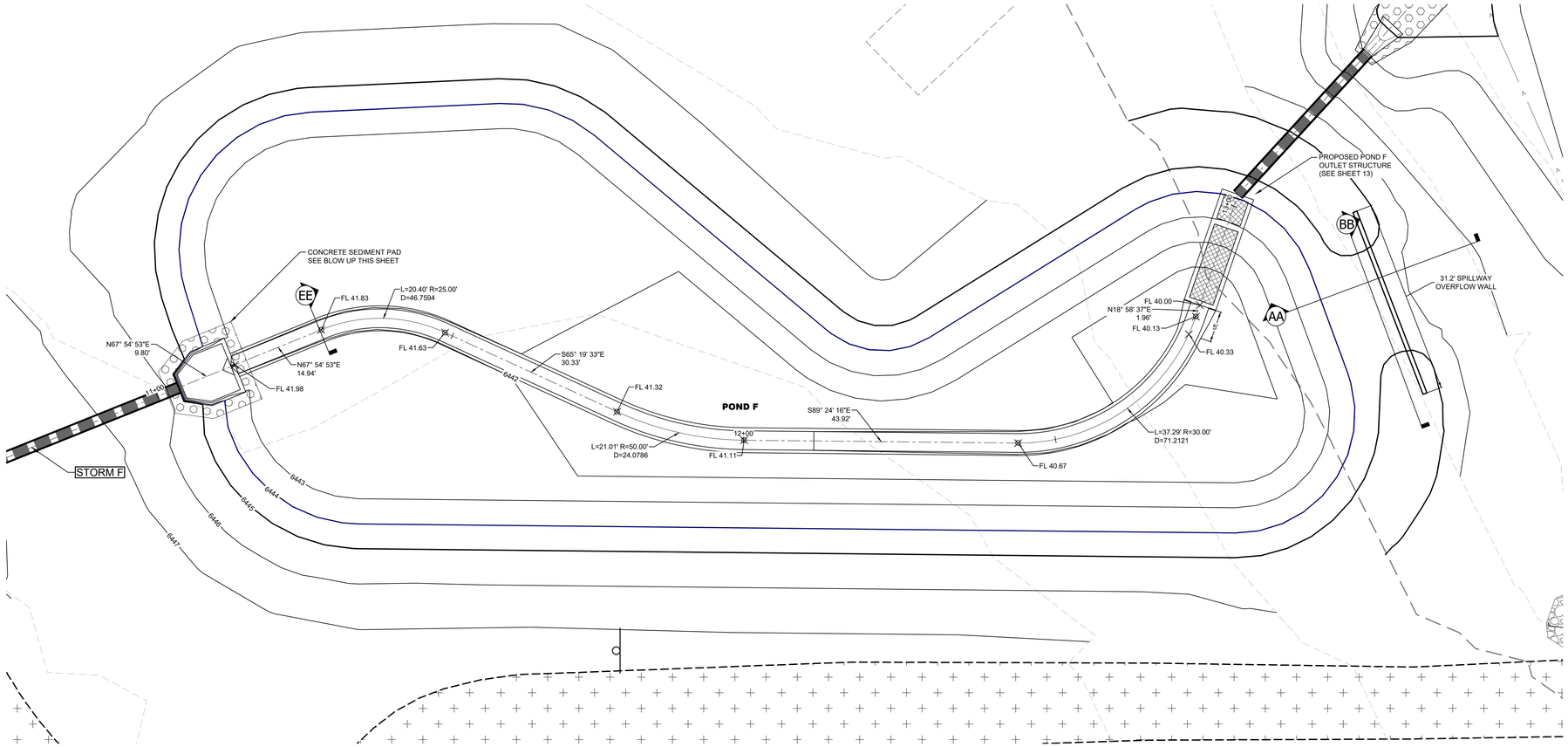
TOWN OF ELIZABETH, COLORADO

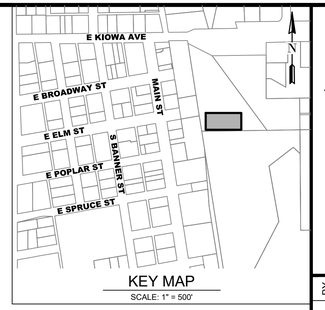
CONSTRUCTION DOCUMENTS
STORM P&P - STORM F

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

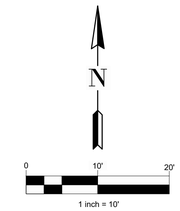
SHEET 11 OF

1/30/2025 11:24 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS STORM P&P.DWG 1



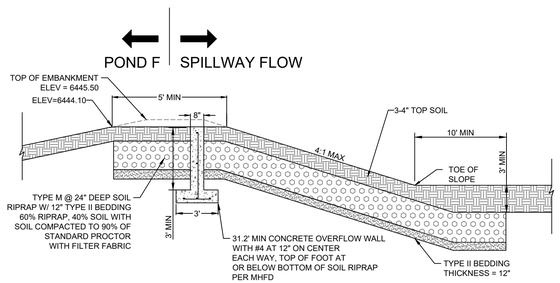


KEY MAP
SCALE: 1" = 500'

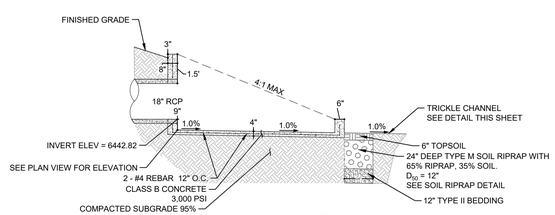


LEGEND

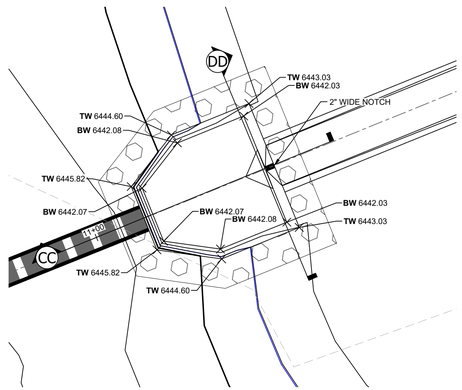
- PROPOSED MAJOR CONTOUR (6350)
- PROPOSED MINOR CONTOUR (6349)
- EXISTING MAJOR CONTOUR (6350)
- EXISTING MINOR CONTOUR (6349)
- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT BOUNDARY
- CONCRETE
- MAINTENANCE ACCESS / GRAVEL ROAD
- RIPRAP
- SOIL RIPRAP
- STORM (FES, MH, & INLET)
- SANITARY
- WATER (HYDRANT, VALVE, BEND, MH)
- FOREBAY
- STORM INLETS (TYPE C, D, 13, & R)
- STORM 100 YEAR HGL
- STORM 5 YEAR HGL
- EX STORM (FES, MH, & INLET)
- EXISTING UTILITY
- EXISTING SWALE
- EXISTING SIGN
- EXISTING WATER
- EXISTING FENCE
- EXISTING POWER POLE & GUY WIRE
- EX WATER MH, METER, & VENT PIPE
- EX WATER VALVE & HYDRANT



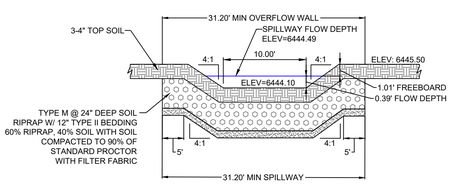
SPILLWAY
SECTION A-A
NTS



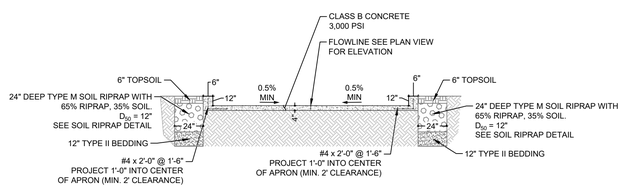
CONCRETE PAD
SECTION C-C
NTS



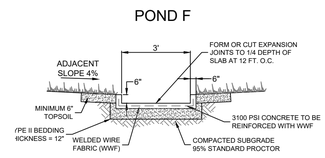
CONCRETE PAD BLOW UP
SCALE = 1" = 5'



SPILLWAY
SECTION B-B
NTS



CONCRETE PAD
SECTION D-D
NTS



CONCRETE TRICKLE CHANNEL
SECTION E-E
NTS

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

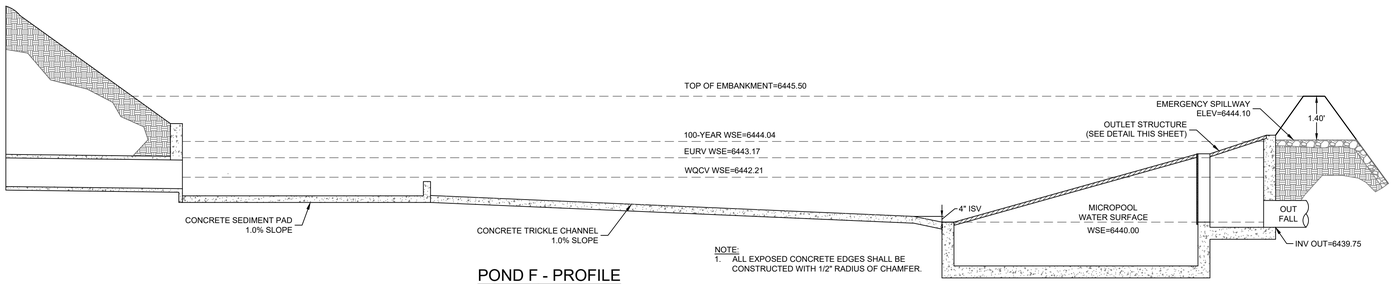
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
STORM - POND F

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

SHEET 12 OF

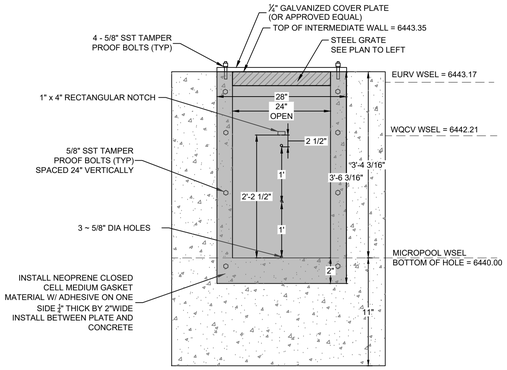
terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

10/2/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS POND SHEETS.DWG POND

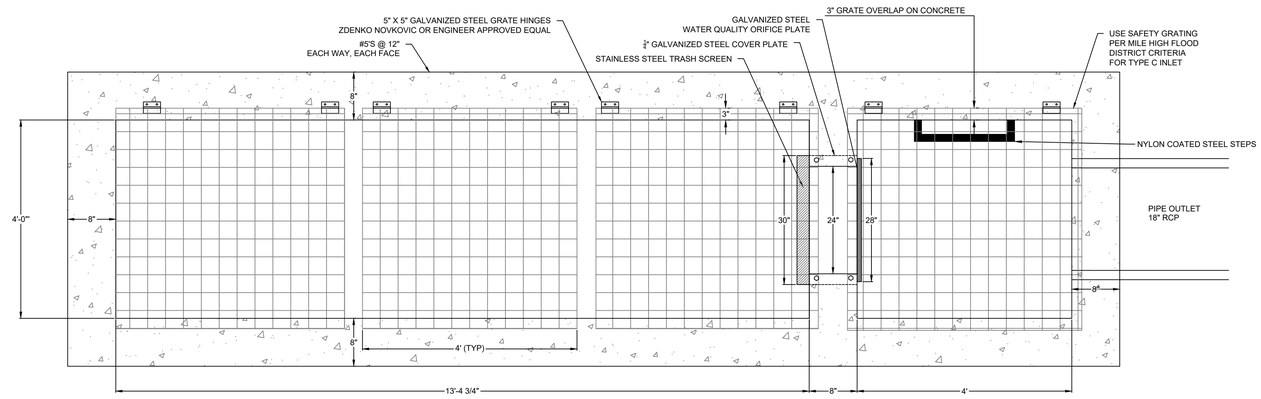


NOTE:
1. ALL EXPOSED CONCRETE EDGES SHALL BE CONSTRUCTED WITH 1/2" RADIUS OF CHAMFER.

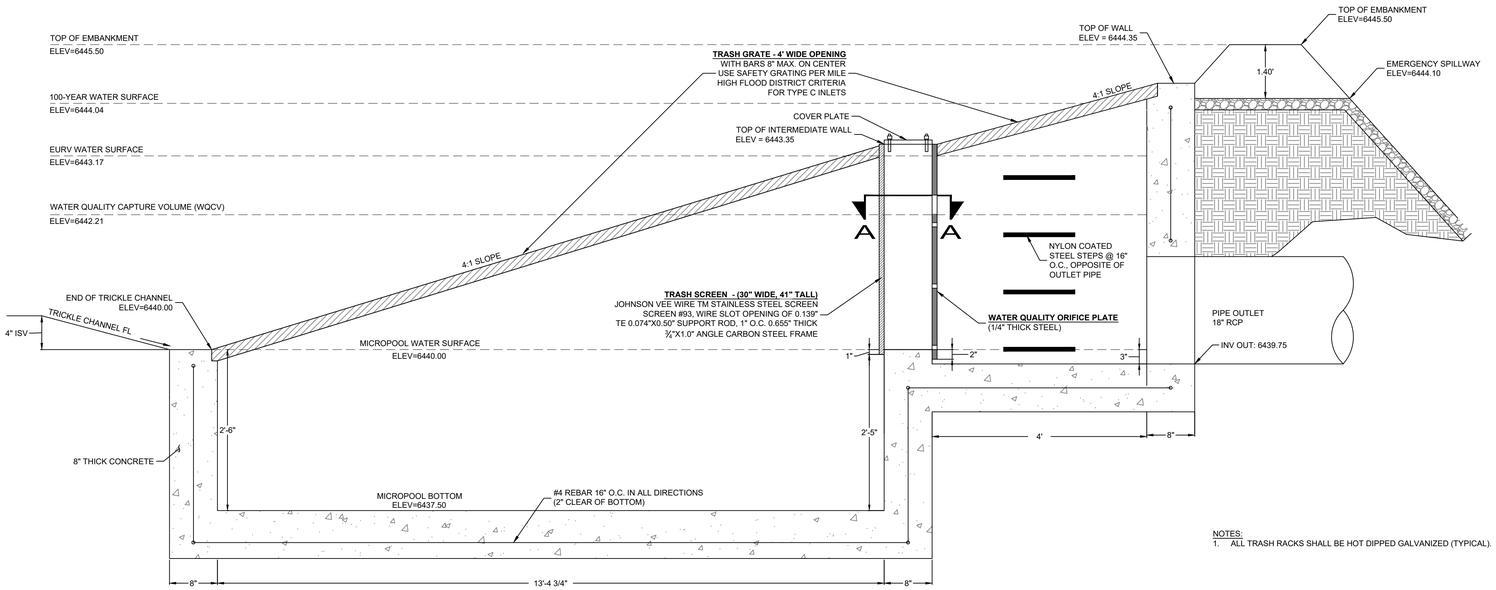
POND F - PROFILE
NTS



ORIFICE PLATE - ELEVATION
NTS

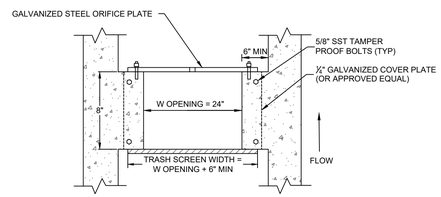


POND F - OUTLET STRUCTURE PLAN
NTS



NOTES:
1. ALL TRASH RACKS SHALL BE HOT DIPPED GALVANIZED (TYPICAL).

POND F - OUTLET STRUCTURE SECTION
NTS



TRASH SCREEN/ORIFICE PLATE SECTION (A)
NTS

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#	REVISION DESCRIPTION	DATE	BY
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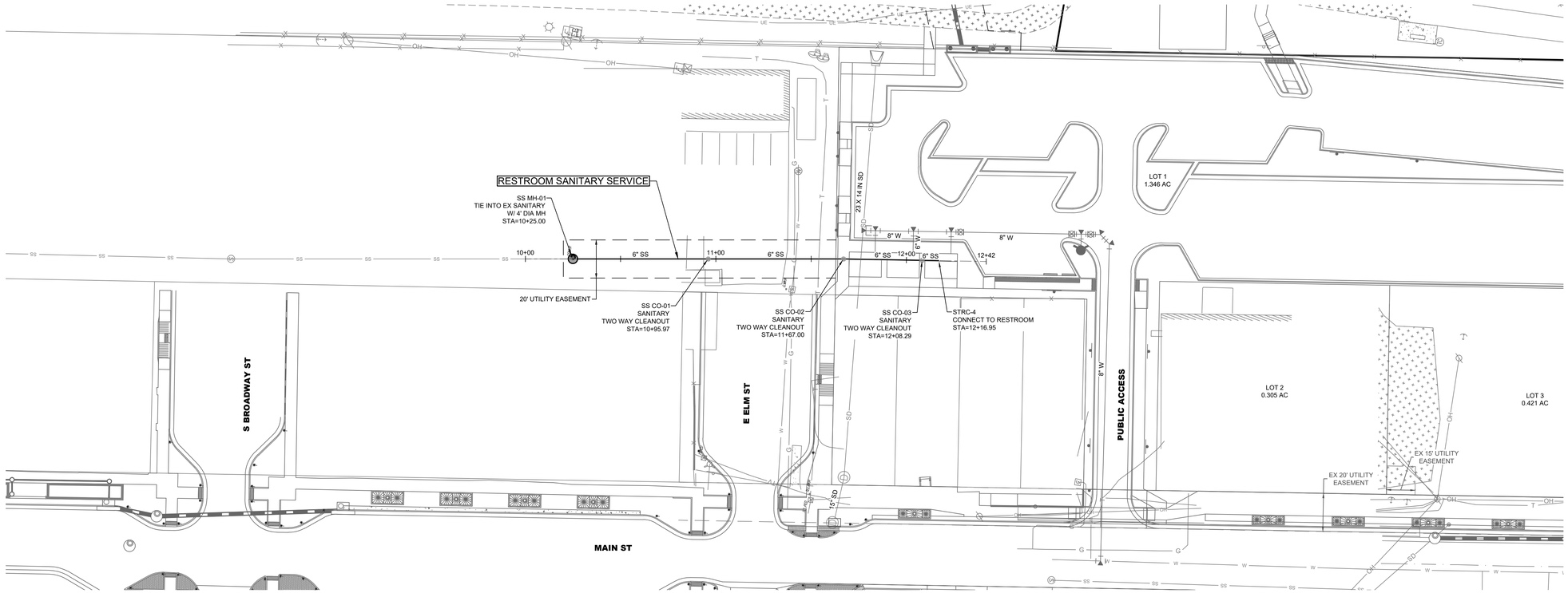
NOT FOR CONSTRUCTION

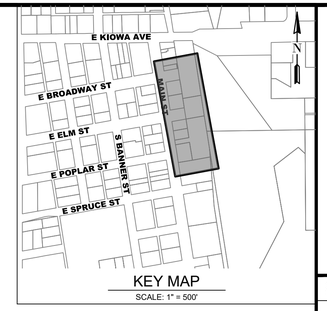
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
STORM - OUTLET STRUCTURE - POND F

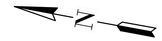
Know what's **below.** **Call** before you dig. 811

SHEET
13 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS POND SHEETS.DWG OUTLET STUCTURE





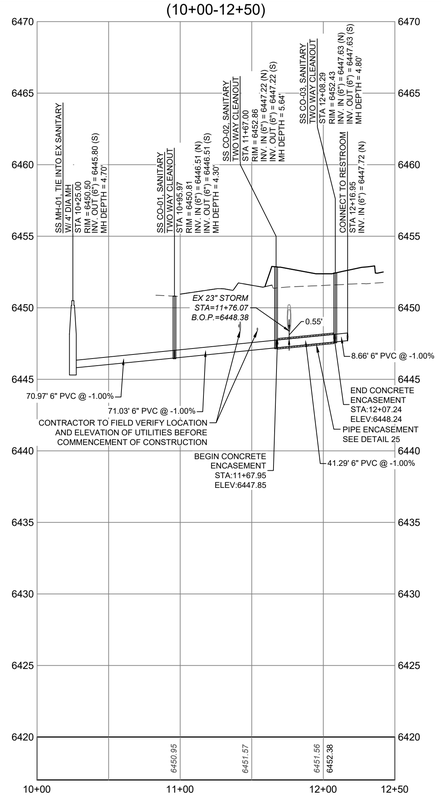


PROFILE LEGEND

EXIST GRADE	
PROP GRADE	
1"=50' (HORZ)	1"=5' (VERT)

RESTROOM SANITARY SERVICE

(10+00-12+50)



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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

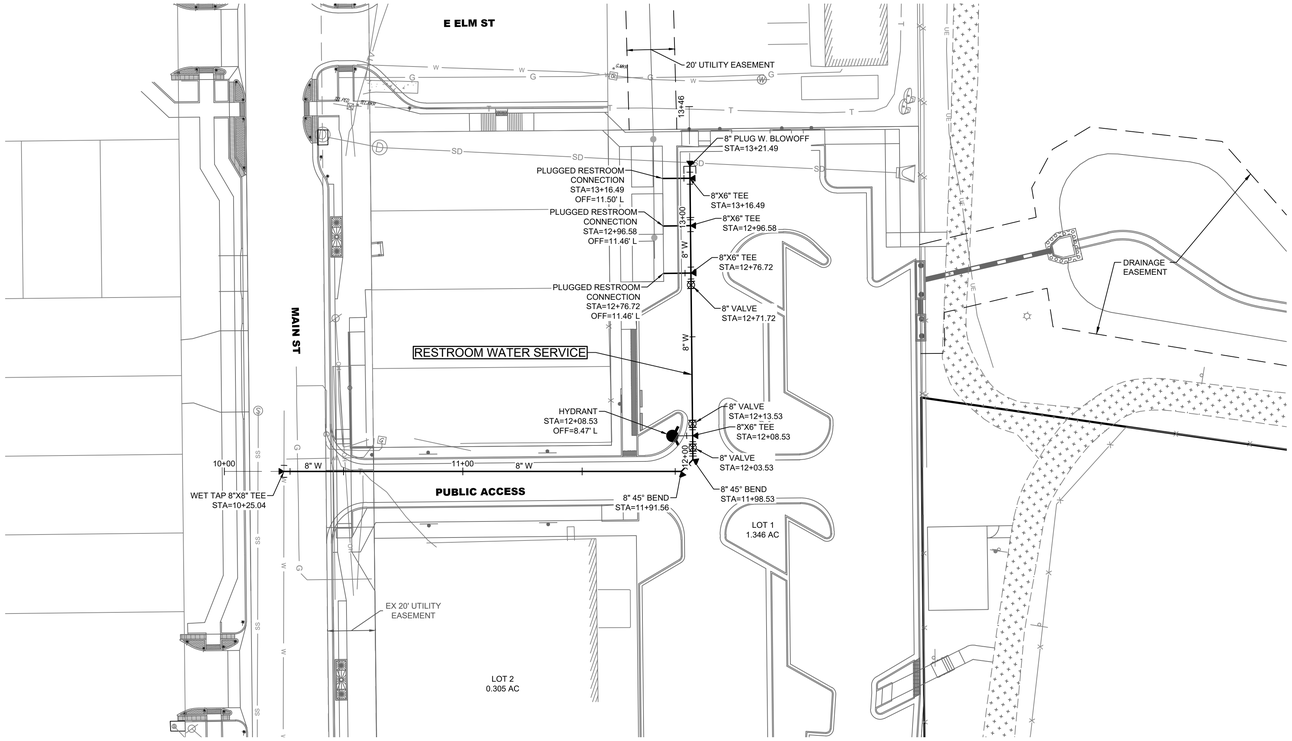
NOT FOR CONSTRUCTION

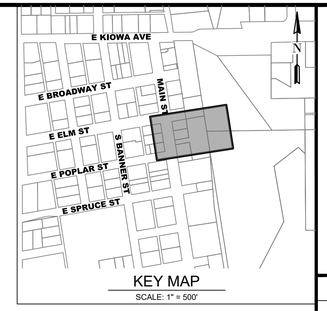
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
SANITARY P&P - RESTROOM SANITARY SERVICE

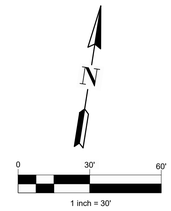
Know what's **below.** **Call** before you dig. 811

SHEET 14 OF

1/30/2025 11:24 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS SANITARY P&P.DWG 1





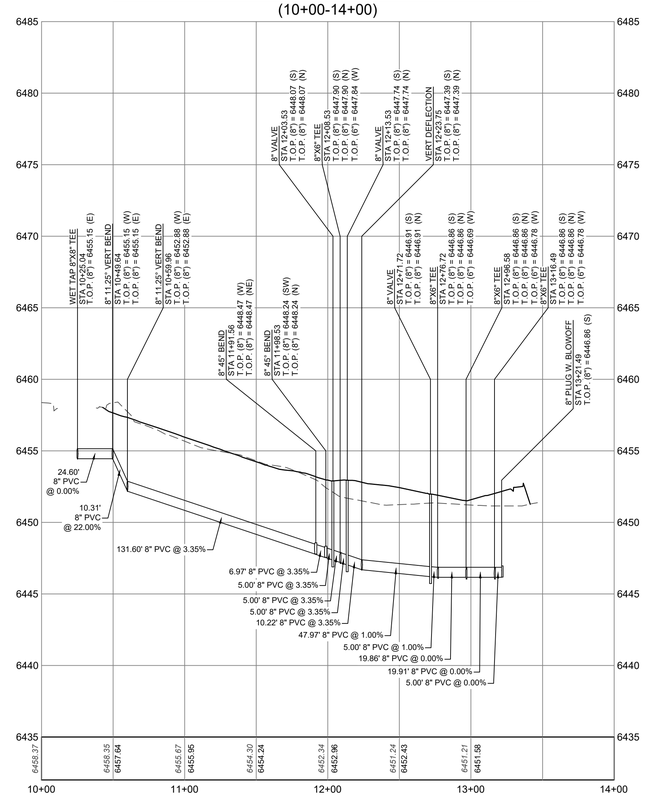


PROFILE LEGEND

EXIST GRADE	
PROP GRADE	
1"=50' (HORZ)	1"=5' (VERT)

RESTROOM WATER SERVICE

(10+00-14+00)



#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

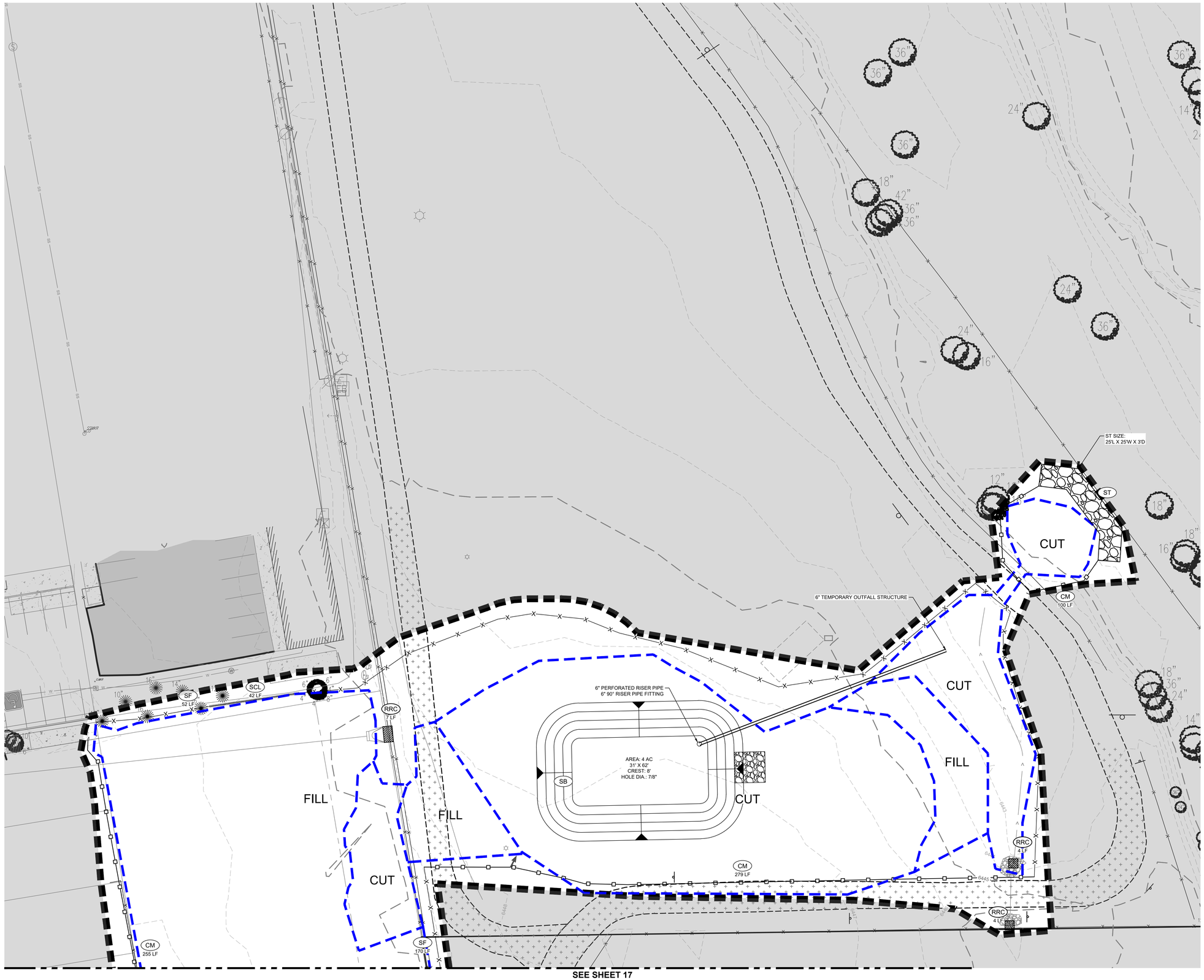
MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
WATER P&P - RESTROOM WATER SERVICE

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

SHEET 15 OF

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10/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS WATER R&P.DWG 1



NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

terracina design
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Denver, CO 80231
ph. 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - INITIAL PLAN

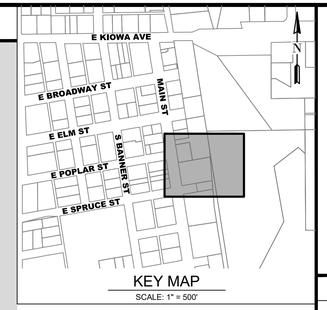
Know what's below. Call before you dig. 811

SHEET 16 OF

1/30/2025 11:24 AM, X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - INITIAL.DWG 1

SEE SHEET 16





KEY MAP
SCALE: 1" = 500'

N

0 20' 40'

1 inch = 20'

LEGEND

- OUTSIDE LIMITS OF CONSTRUCTION
- CD — CHECK DAM
- CWA — CONCRETE WASHOUT AREA
- CM — CONSTRUCTION MARKER
- CS — CURB SOCK / ROCK SOCK
- DD — DIVERSION DITCH
- ECB — EROSION CONTROL BLANKET
- IP — INLET PROTECTION
- RRC — REINFORCED ROCK BERM FOR CULVERT PROTECTION
- SB — TEMPORARY SEDIMENT BASIN
- SCL — SEDIMENT CONTROL LOG
- SF — SILT FENCE
- ST — SEDIMENT TRAP
- SM — SEEDING AND MULCHING
- SSA — STABILIZED STAGING AREA
- SR — SURFACE ROUGHENING
- VTC — VEHICLE TRACKING CONTROL
- LOC — LIMITS OF CONSTRUCTION

NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

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#	REVISION DESCRIPTION	DATE	BY
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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - INITIAL PLAN

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

SHEET 17 OF 24

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS GESC - INITIAL.DWG 2



NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - INTERIM PLAN

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

SHEET 18 OF

1/30/2025 11:24 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - INTERIM.DWG 1

SEE SHEET 18


CM
SF
SCL
SR
SSA
CWA
RRC
VTC
SB
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6411



NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

#	REVISION DESCRIPTION	DATE	BY
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NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - FINAL PLAN

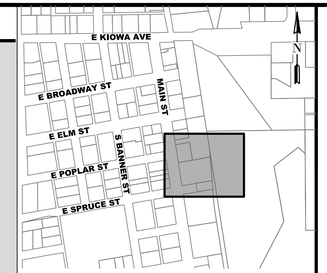
Know what's below. Call before you dig. 811

SHEET 20 OF 31

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINAY CDS GESC - FINAL.DWG 1

SEE SHEET 20





KEY MAP
SCALE: 1" = 500'

N

0 20' 40'

1 inch = 20'

LEGEND

- OUTSIDE LIMITS OF CONSTRUCTION
- CD — CHECK DAM
- CWA — CONCRETE WASHOUT AREA
- CM — CONSTRUCTION MARKER
- CS — CURB SOCK / ROCK SOCK
- DD — DIVERSION DITCH
- ECB — EROSION CONTROL BLANKET
- IP — INLET PROTECTION
- RRC — REINFORCED ROCK BERM FOR CULVERT PROTECTION
- SB — TEMPORARY SEDIMENT BASIN
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- SM — SEEDING AND MULCHING
- SSA — STABILIZED STAGING AREA
- SR — SURFACE ROUGHENING
- VTC — VEHICLE TRACKING CONTROL
- LOC — LIMITS OF CONSTRUCTION

NOTES:

1. SEE SHEETS 24-31 FOR GESC DETAILS.
2. THE SITE EARTHWORK:
   1966 CY CUT, 4779 CY FILL, 2814 CY NET FILL

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#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT

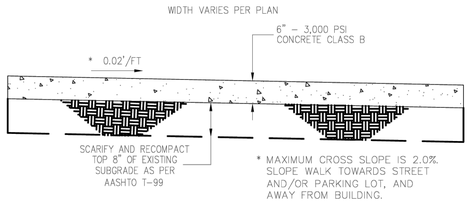
TOWN OF ELIZABETH, COLORADO

CONSTRUCTION DOCUMENTS
GESC - FINAL PLAN

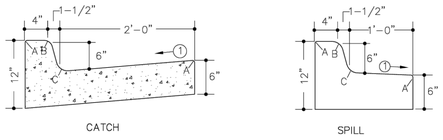
Know what's **below.** **Call** before you dig. 811

SHEET 21 OF 31

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS GESC - FINAL.DWG 2



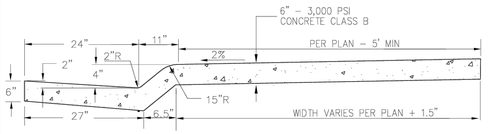
SIDEWALK DETAIL



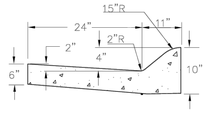
CURB DETAIL LEGEND	
A	RADIUS = 1/8"
B	RADIUS = 1-1/2"
C	RADIUS = 1-1/2" - 2"
1	CROSS SLOPE SHALL BE 1/2" PER FOOT WHEN DRAINING AWAY FROM CURB, AND 1" PER FOOT WHEN DRAINING TOWARD THE CURB

CURB DETAIL

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB, GUTTER, & SIDEWALK DETAILS	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-1A



COMBINATION CURB, GUTTER & SIDEWALK



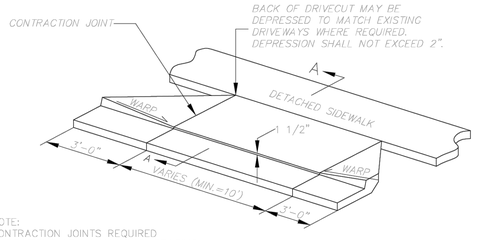
LOCAL MOUNTABLE CURB & GUTTER

NOTES:

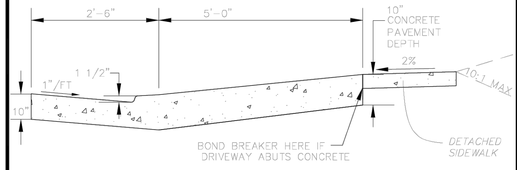
1) IF A SIDEWALK IS PLACED BEHIND THE CURB BUT IS NOT PLACED MONOLITHICALLY, EXPANSION JOINT MATERIAL AND A SILICONE BASE SEALER MUST BE APPLIED BETWEEN THE SIDEWALK AND CURB.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB, GUTTER, & SIDEWALK DETAILS	
SCALE: NOT TO SCALE DATE: 09/06/17	
APPROVED: CORE CONSULTANTS INC. TOWN ENGINEER	RD-1B

NOTE: CURBCUTS ARE TO BE PLACED MONOLITHIC WITH CURB & GUTTER.

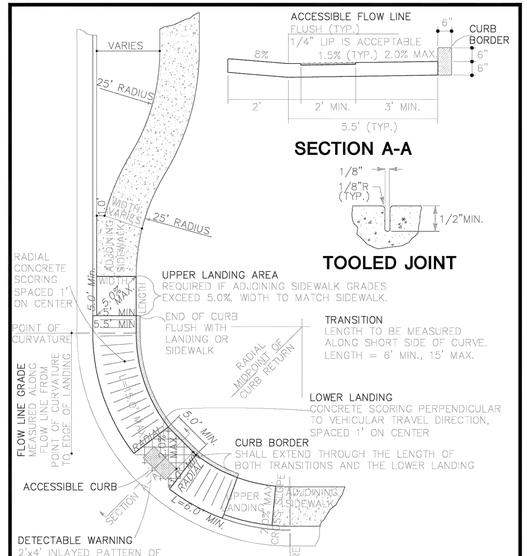


NOTE:
CONTRACTION JOINTS REQUIRED IN DRIVECUT AT MAXIMUM 10' SPACING



SECTION A-A

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
DRIVEWAY CUT DETAIL	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-2



TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
HANDICAP RAMP DETAIL	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-3A

NOTES

SLOPED TRANSITIONS SHALL COMPLY WITH ALL APPLICABLE RULES AND GUIDELINES OF THE AMERICANS WITH DISABILITIES ACT.

SLOPED TRANSITIONS SHALL BE CONSISTENT WITH THE CURRENT PUBLICATION OF FEDERAL GUIDELINES FOR ACCESSIBLE RIGHTS OF WAY.

LONGITUDINAL SLOPES WITHIN THE TRANSITION SHALL NOT EXCEED 1:12 (8.33%).

CROSS SLOPES, OR SLOPES PEPENDICULAR TO THE DIRECTION OF TRAVEL SHALL NOT EXCEED 1:50 (2.0%)

THE LOWER LANDING AREA IS A REQUIRED ELEMENT.
SLOPED TRANSITIONS ARE A REQUIRED ELEMENT AND SHALL:
A. NOT EXCEED 1:12 (8.3%) LONGITUDINAL SLOPE ALONG THE SHORTEST SIDE UNLESS TRANSITION LENGTH EXCEEDS 15.0'
B. NOT EXCEED 1:50 (2.0%) SLOPE PERPENDICULAR TO THE TRAVELED DIRECTION.
C. NOT EXCEED 15.0' IN LENGTH AS MEASURED ALONG THE SHORTEST SIDE. MAXIMUM LONGTITUDINAL SLOPE SHALL BE ADJUSTED TO ACCOMODATE THE LENGTH.
D. NOT BE LESS THAN 6.0' IN LENGTH.

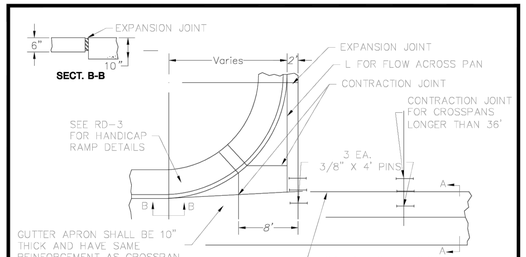
THE UPPER LANDING AREA IS REQUIRED IF:
A. THE ADJOINING SIDEWALK HAS A LONGITUDINAL GRADE (DIRECTION OF TRAVEL) IN EXCESS OF 1:20 (5.0%). SAID LANDING SHALL NOT EXCEED A 1:20 (5.0%) SLOPE IN ANY DIRECTION.
B. A CHANGE IN DIRECTION IS REQUIRED TO ENTER OF EXIT THE SLOPED TRANSITION. SAID LANDING SHALL SHALL NOT EXCEED 1:50 (2.0%) SLOPE IN ANY DIRECTION.

LANDINGS AND SLOPED TRANSITIONS SHALL MATCH THE WIDTH OF THE ADJOINING SIDEWALK, 3.0' MINIMUM.

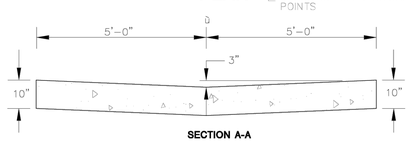
ALL TOOLED JOINTS WITHIN THE SLOPED TRANSITIONS SHALL RUN PERPENDICULAR TO THE DIRECTION OF TRAVEL.

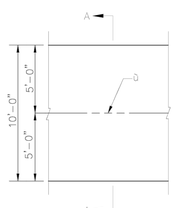
ALL TOOLED JOINTS WITHIN THE LOWER LANDING AREA SHALL RUN PARALLEL TO AND/OR PERPENDICULAR TO THE DIRECTION OF VEHICULAR TRAVEL WITHIN THE TRAVELED WAY.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
HANDICAP RAMP DETAIL NOTES	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-3B



PLAN





PLAN

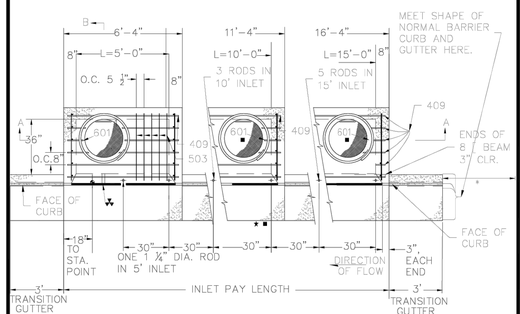
PAN LENGTH	REBAR HAVING END AREA OF
36'	.10 Sq. In. Per Ft. (#4 @ 18" E.W.)
46'	.13 Sq. In. Per Ft. (#4 @ 18" E.W.)
64'	.20 Sq. In. Per Ft. (#4 @ 18" E.W.)
84'	.26 Sq. In. Per Ft. (#4 @ 18" E.W.)

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CROSSPAN	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-4

■ ADDITIONAL MANHOLE, RING AND COVER REQUIRED WHEN L=10' OR MORE. CUT REINFORCEMENT BAR ACCORDINGLY.

☘ A 2" DIAMETER TEMPORARY HOLE FOR DRAINAGE SHALL BE PLACED AT SUBGRADE ELEVATION OR A MINIMUM THREE INCHES BELOW ROAD BASE. THE HOLE SHALL BE PLUGGED WITH CONCRETE BEFORE ACCEPTANCE OF THE INLET.

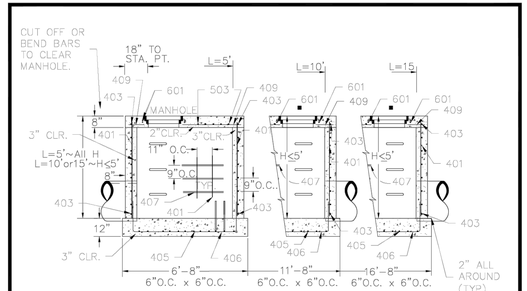
* FOR LENGTH GREATER THEN 5 FT. PROVIDE ACCESS AT BOTH ENDS.



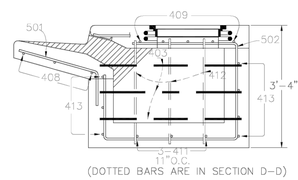
TYPICAL PLAN VIEW

NOTE:
MANHOLE RING & COVER, STATION POINT AND OUTFLOW PIPE SHALL BE LOCATED AT THE SAME END OF THE INLET.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET - TYPE R	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5A



SECTION A-A REGULAR INLET



(DOTTED BARS ARE IN SECTION D-D)

SECTIONS C-C & D-D

■ ADDITIONAL MANHOLE, RING AND COVER REQUIRED WHEN L=10' OR MORE. CUT REINFORCEMENT BAR ACCORDINGLY.

NOTE:
MANHOLE RING & COVER, STATION POINT AND OUTFLOW PIPE SHALL BE LOCATED AT THE SAME END OF THE INLET.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET - TYPE R	
SCALE: NOT TO SCALE DATE: 02/10/09	
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5B

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

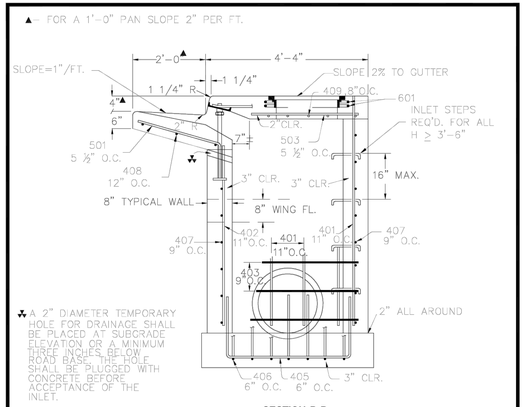
NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

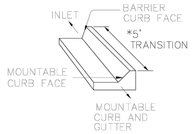
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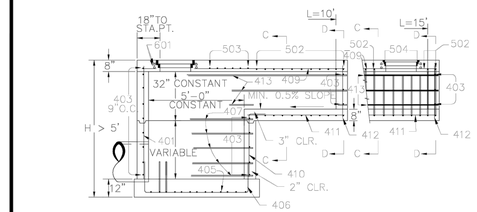


SECTION B-B
TYPICAL END VIEW

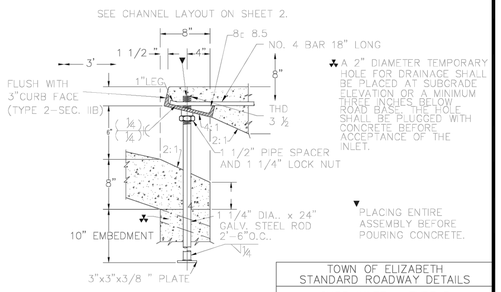


TRANSITION CURB

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET – TYPE R	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5C

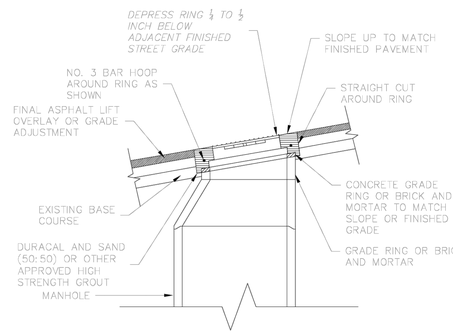


SECTION A-A
INLET WITH DROP BOX~H>5'



CURB FACE ASSEMBLY

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
CURB INLET – TYPE R	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-5D



NOTES:
1. ADEQUATE BARRICADES SHALL BE PLACED AND MAINTAINED UNTIL THE COLLAR ATTAINS A COMPRESSIVE STRENGTH OF 3000 PSI.
2. DURACAL GROUT SHALL BE A MIXTURE OF 100 LBS. DURACAL, 26 LBS. WATER (3.12 GAL.) AND 100 LBS. OF SAND CONFORMING TO ASTM C-35.
3. MANHOLES SHALL NOT BE LOCATED IN CROSSPANS OR GUTTERS

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
MANHOLE RING AND COVER	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-7

THE FOLLOWING NOTES ARE APPLICABLE TO ALL ROADWAY SECTIONS IDENTIFIED ON THE FOLLOWING PAGES (LOCAL, MINOR COLLECTOR, MAJOR COLLECTOR, MINOR ARTERIAL AND MAJOR ARTERIAL), UNLESS MODIFICATIONS ARE APPROVED IN WRITING BY THE DIRECTOR OF PUBLIC WORKS.

NOTES:

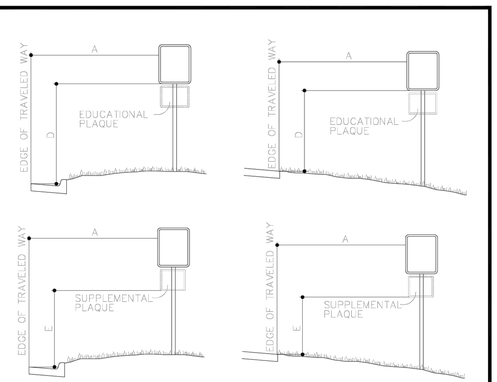
1. GUTTERS SHALL BE AT LEAST 6" THICK.
2. ALL COMBINATION CURB, GUTTER, AND SIDEWALKS TO BE 6" THICK (MIN.). SIDEWALKS WITH VERTICAL CURB AND GUTTER MAY BE 4" THICK.
3. TOTAL PAVEMENT THICKNESS TO BE DETERMINED BY PAVEMENT DESIGN PROCEDURES IN SECTION 5.4.
4. PLACEMENT, MOISTURE AND DENSITY CONTROL FOR SUBGRADE, SUBBASE AND SURFACING MATERIALS SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF CHAPTER 8 OF THE ROADWAY DESIGN AND CONSTRUCTION STANDARDS.
5. NON-LANDSCAPED MEDIAN ISLANDS SHALL BE COVERED WITH AN ACCEPTABLE IMPERMEABLE SURFACE.
6. LEGEND

P = PARKING ALLOWED

NP = NO PARKING ALLOWED

▲ = LANEAGE

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
STREET CROSS SECTIONS NOTES	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-8

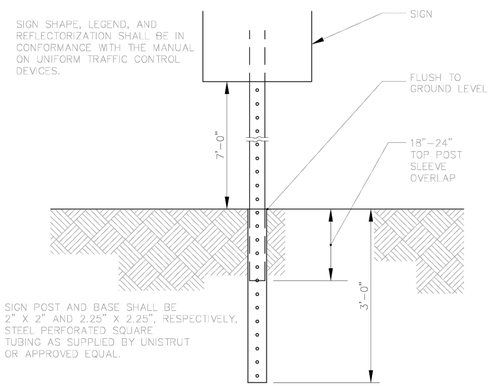


LATERAL PLACEMENT				
KEY	LOCAL STREETS		COLLECTORS & ARTERIALS	
	MINIMUM	NORMAL	MINIMUM	NORMAL
A	8'-0"	12'-0"	10'-0"	14'-0"

VERTICAL PLACEMENT				
KEY	URBAN		RURAL	
	W/ SIDEWALKS	W/OUT SIDEWALKS	W/ SIDEWALKS	W/OUT SIDEWALKS
D	7'-0"	7'-0"	9'-0"	
E	7'-0"	6'-0"	4'-0"	

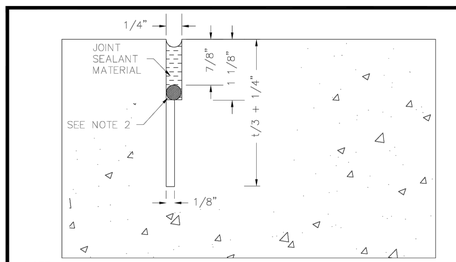
REGULATION SIGN PLACEMENT

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
REGULATION SIGN PLACEMENT	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-15



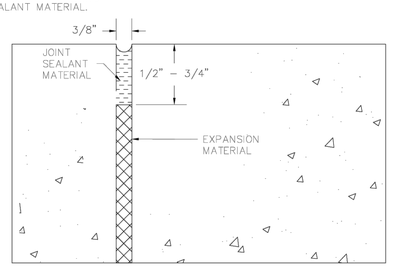
SIGN BASE DETAIL

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
SIGN BASE DETAIL	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-16



NOTE:
WASH & BLOW OUT WITH FORCED AIR UNTIL DRY BEORE APPLYING SEALANT MATERIAL.

SAWED JOINT



EXPANSION JOINT

NOTE:
JOINT SEALANT MATERIAL MUST MEET ASTM 3406, NYLON ROPE OR OPEN CEL POLYURETHANE STRAND.

TOWN OF ELIZABETH STANDARD ROADWAY DETAILS	
SAWED JOINT AND EXPANSION JOINT	
SCALE: NOT TO SCALE	DATE: 02/10/09
APPROVED: TST INC. OF DENVER TOWN ENGINEER	RD-20

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10200 E. Girard Ave, A-314
Denver, CO 80231
ph. 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
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2	2ND SUBMITTAL	01/17/2025	MM

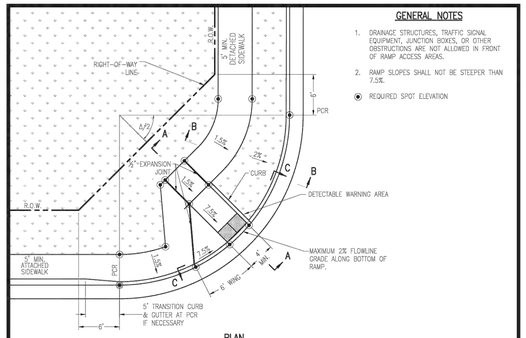
NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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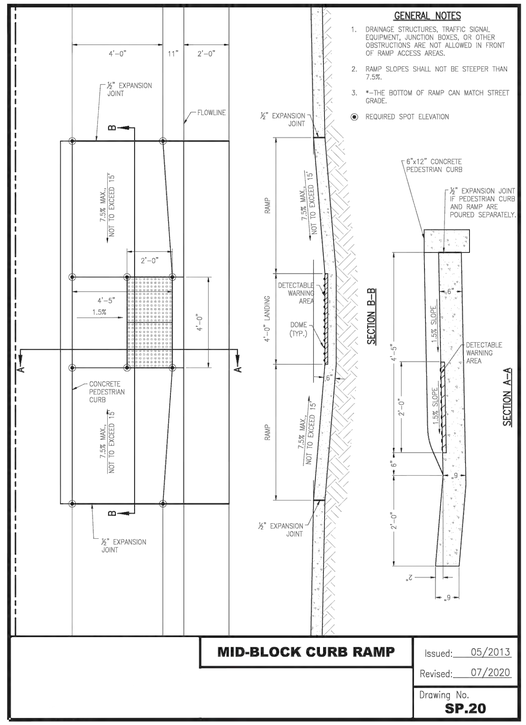
SHEET 23 OF

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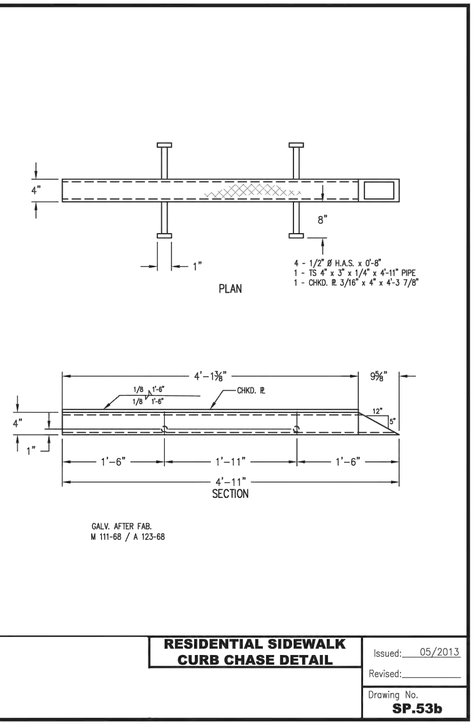
CURB RAMP FOR CURB RETURN RADIUS OF 20' TO 30'

Issued: 05/2013
Revised: 07/2021
Drawing No. **SP.19a**



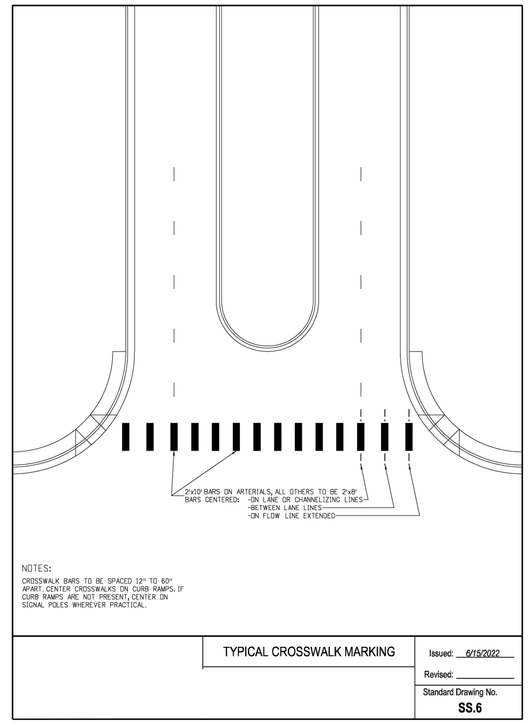
MID-BLOCK CURB RAMP

Issued: 05/2013
Revised: 07/2020
Drawing No. **SP.20**



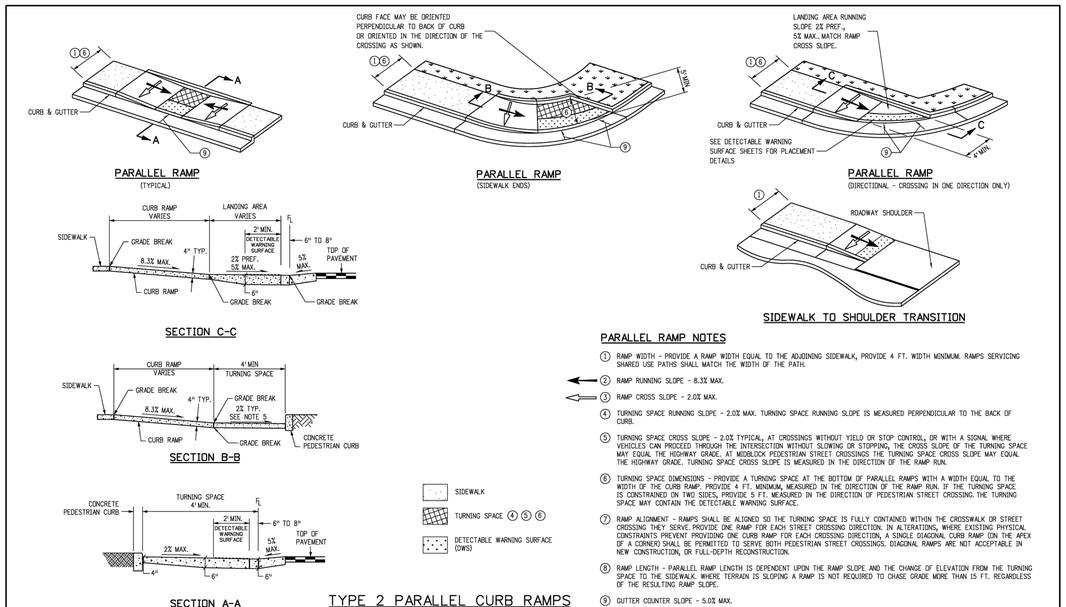
RESIDENTIAL SIDEWALK CURB CHASE DETAIL

Issued: 05/2013
Revised:
Drawing No. **SP.53b**



TYPICAL CROSSWALK MARKING

Issued: 6/15/2022
Revised:
Standard Drawing No. **SS.6**



PARALLEL RAMP NOTES

1. RAMP WIDTH - PROVIDE A RAMP WIDTH EQUAL TO THE ADJOINING SIDEWALK, PROVIDE 4 FT. WIDTH MINIMUM. RAMPS SERVICING SHARED USE PATHS SHALL MATCH THE WIDTH OF THE PATH.
2. RAMP RUNNING SLOPE - 8.3% MAX.
3. RAMP CROSS SLOPE - 2.0% MAX.
4. TURNING SPACE RUNNING SLOPE - 2.0% MAX. TURNING SPACE RUNNING SLOPE IS MEASURED PERPENDICULAR TO THE BACK OF CURB.
5. TURNING SPACE CROSS SLOPE - 2.0% TYPICAL, AT CROSSINGS WITHOUT YIELD OR STOP CONTROL, OR WITH A SIGNAL WHERE VEHICLES CAN PROCEED THROUGH THE INTERSECTION WITHOUT SLOWING OR STOPPING, THE CROSS SLOPE OF THE TURNING SPACE MAY EQUAL THE HIGHWAY GRADE. AT MIDBLOCK PEDESTRIAN STREET CROSSINGS THE TURNING SPACE CROSS SLOPE MAY EQUAL THE HIGHWAY GRADE. TURNING SPACE CROSS SLOPE IS MEASURED IN THE DIRECTION OF THE RAMP RUN.
6. TURNING SPACE DIMENSIONS - PROVIDE A TURNING SPACE AT THE BOTTOM OF PARALLEL RAMPS WITH A WIDTH EQUAL TO THE WIDTH OF THE CURB RAMP. PROVIDE 4 FT. MINIMUM, MEASURED IN THE DIRECTION OF THE RAMP RUN. IF THE TURNING SPACE IS CONSTRAINED ON TWO SIDES, PROVIDE 5 FT. MEASURED IN THE DIRECTION OF PEDESTRIAN STREET CROSSING. THE TURNING SPACE MAY CONTAIN THE DETECTABLE WARNING SURFACE.
7. RAMP ALIGNMENT - RAMPS SHALL BE ALIGNED SO THE TURNING SPACE IS FULLY CONTAINED WITHIN THE CROSSWALK OR STREET CROSSING THEY SERVE. PROVIDE ONE RAMP FOR EACH STREET CROSSING DIRECTION. IN ALTERATIONS, WHERE EXISTING PHYSICAL CONSTRAINTS PREVENT PROVIDING ONE CURB RAMP FOR EACH CROSSING DIRECTION, A SINGLE DIAGONAL CURB RAMP (ON THE APEX OF A CORNER) SHALL BE PERMITTED TO SERVE BOTH PEDESTRIAN STREET CROSSINGS. DIAGONAL RAMPS ARE NOT ACCEPTABLE IN NEW CONSTRUCTION, OR FULL-DEPTH RECONSTRUCTION.
8. RAMP LENGTH - PARALLEL RAMP LENGTH IS DEPENDENT UPON THE RAMP SLOPE AND THE CHANGE OF ELEVATION FROM THE TURNING SPACE TO THE SIDEWALK. WHERE TERRAIN IS SLOPING A RAMP IS NOT REQUIRED TO CHASE GRADE MORE THAN 15 FT. REGARDLESS OF THE RESULTING RAMP SLOPE.
9. GUTTER COUNTER SLOPE - 5.0% MAX.

TYPE 2 PARALLEL CURB RAMPS

Computer File Information		Sheet Revisions	
Creation Date: 07/31/19		Date:	Comments
Designer Initials: JBK	(E-X)		
Last Modification Date: 07/31/19	(E-X)		
Detailer Initials: LTA	(E-X)		
CAD Ver.: MicroStation V8 Scale: Not to Scale Units: English	(E-X)		

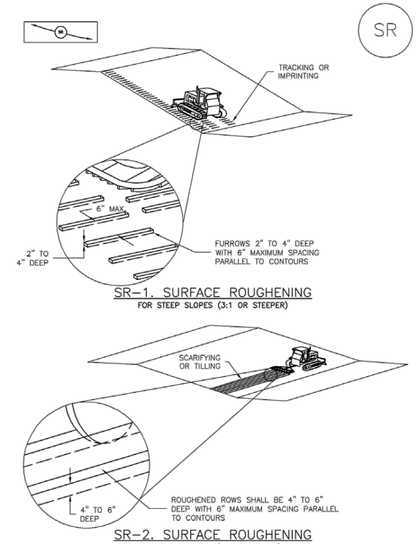
Colorado Department of Transportation
2829 West Howard Place
CDOT HQ, 3rd Floor
Denver, CO 80204
Phone: 303-757-9021 FAX: 303-757-9868
Project Development Branch JBK

CURB RAMPS

Issued by the Project Development Branch: July 31, 2019

STANDARD PLAN NO.
M-608-1
Standard Sheet No. 4 of 10
Project Sheet Number:

Surface Roughening (SR) EC-1



terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 24 OF 24

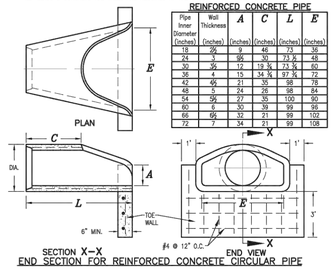
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GENERAL NOTES

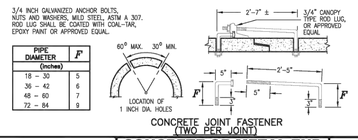
1. DIMENSIONS OF END SECTIONS MAY VARY SLIGHTLY FROM THOSE SHOWN ON THE TABLES DUE TO DIFFERENT MANUFACTURER'S VARIATIONS.
2. CONCRETE END SECTIONS ARE TO BE FURNISHED WITH TONGUE OR GROOVE AS REQUIRED.
3. DESIGN LENGTH OF CULVERT OR SIDE DRAIN IS BASED ON LENGTH OF END SECTION SHOWN IN TABLE. ANY ADDITIONAL PIPE REQUIRED TO PROVIDE THE DESIGN LENGTH SHALL BE FURNISHED BY AND AT THE EXPENSE OF THE CONTRACTOR.
4. INSIDE CONFIGURATION AND JOINT OF CONCRETE END SECTION END PIPE SHALL MATCH.
5. END SECTIONS FOR CMP ARCH CULVERT SHALL MATCH THE DIMENSIONS OF THE CULVERT SHOWN ON THE PLANS.
6. GALVANIZED TOE PLATE AS SHOWN, WILL BE REQUIRED ON END SECTIONS FOR CORRUGATED STEEL PIPE AND SHALL BE THE SAME THICKNESS AS END SECTIONS. TOE PLATE SHALL BE FIELD-BOLTED TO END SECTION WITH ⅜" GALVANIZED BOLTS, NUTS AND WASHERS.
7. GALVANIZED STEEL SHALL BE IN CONFORMANCE WITH AASHTO M 111, M 218 OR M 232.
8. FOR TYPE SD END SECTIONS, BARS SHALL BE FABRICATED FROM NPS-3 GALVANIZED STEEL SCHEDULE 40 PIPE WHICH SHALL BE IN CONFORMANCE WITH ASTM A 53.
9. FOR A TYPE SD END SECTION, THE INSTALLATION OF ALTERNATIVE 1 OR ALTERNATIVE 2 END SECTION SHALL BE THE CONTRACTOR'S OPTION.
10. CONCRETE PIPE JOINT FASTENERS SHALL BE INSTALLED AT THE FLARED END SECTION AND LAST TWO PIPE JOINTS OF ALL RCP OUTFALLS.
11. CONNECTIONS OF METAL END SECTIONS TO PLASTIC PIPE SHALL BE APPROVED BY THE ENGINEER.
12. CLASS D CONCRETE TOE WALLS ARE REQUIRED AT THE ENDS OF ALL FLARED END SECTIONS.

REINFORCED CONCRETE PIPE

Pipe Inner Diameter (inches)	Wall Thickness (inches)	A (inches)	C (inches)	L (inches)	E (inches)
18	2½	9	46	73	38
24	3	9½	30	73 ½	48
30	3½	12	19 ½	73 ½	60
36	4	15	34 ½	97 ½	72
42	4½	21	35	98	78
48	5	24	25	98	84
54	5½	27	35	100	90
60	6	30	39	99	96
66	6½	32	21	99	102
72	7	34	21	99	108



SECTION X–X
END SECTION FOR REINFORCED CONCRETE CIRCULAR PIPE

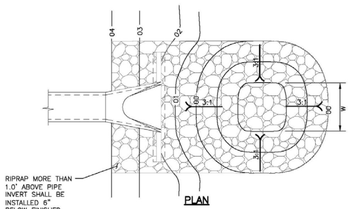


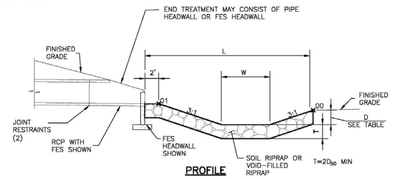
PIPE DIAMETER (inches)	F
18 – 30	5
36 – 42	6
48 – 60	7
72 – 84	9

CONCRETE JOINT FASTENER
(TWO PER JOINT)

CONCRETE OR METAL END SECTIONS

Issued: 05/2013
Revised: 09/2017
Drawing No. **SP.52a**

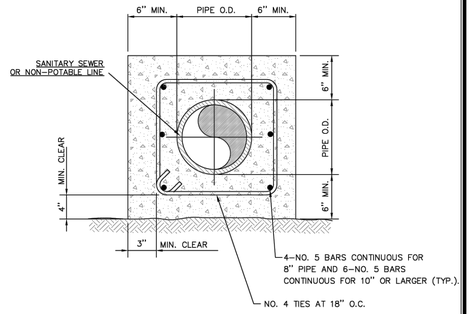




PIPE SIZE OR BOX HEIGHT	D	W*	L
18" – 24"	1'–0"	4'	15'
30" – 36"	1'–6"	6'	20'
42" – 48"	2'–0"	7'	24'
54" – 60"	2'–6"	8'	28'
66" – 72"	3'–0"	9'	32'

* IF OUTLET PIPE IS A BOX CULVERT WITH A WIDTH GREATER THAN W, THEN W = CULVERT WIDTH

Figure 9-37. Low tailwater riprap basin



PIPE ENCASEMENT DETAIL

NOTE:

1. CONCRETE SHALL NOT BE LEANER THAN 1 CEMENT; 2–1/2 SAND; 5 STONE AND SHALL NOT HAVE LESS THAN 3,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS.
2. PLACE CONCRETE AGAINST EITHER SOLID FORMWORK OR UNDISTURBED SOIL.
3. USE GR. 40 REINFORCING BARS.
4. USE ONLY IF SANITARY SEWER IS BELOW THE WATER LINE. DO NOT PLACE OR SPILL CONCRETE ON WATER LINE.

Pipe Encasement Detail

THESE DETAILS ARE PROVIDED FOR STANDARDIZATION PURPOSES ONLY. THIS DETAIL REPRESENTS MINIMUM DESIGN STANDARDS WHICH MAY REQUIRE UPGRADING FOR SPECIFIC APPLICATIONS. REFER TO TOWN OF FRASER MINIMUM DESIGN CRITERIA AND CONSTRUCTION STANDARDS FOR SPECIFIC MATERIAL AND INSTALLATION REQUIREMENTS.

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Description

Temporary seeding can be used to stabilize disturbed areas that will be inactive for an extended period. Permanent seeding should be used to stabilize areas at final grade that will not be otherwise stabilized. Effective seeding includes preparing a seedbed, selecting an appropriate seed mixture, using proper planting techniques, and protecting the seeded area with mulch, geotextiles, or other appropriate measures.



Photograph TS/PS -1. Equipment used to drill seed. Photo courtesy of Douglas County.

Appropriate Uses

When the soil surface is disturbed and will remain inactive for an extended period (typically determined by local government requirements), proactive stabilization measures, including planting a temporary seed mix, should be implemented. If the inactive period is short-lived (on the order of two weeks), techniques such as surface roughening may be appropriate. For longer periods of inactivity of up to one year, temporary seeding and mulching can provide effective erosion control. Permanent seeding should be used on finished areas that have not been otherwise stabilized.

The USDCM Volume 2 *Revegetation* Chapter contains suggested annual grains and native seed mixes to use for temporary seeding. Alternatively, local governments may have their own seed mixes and timelines for seeding. Check jurisdictional requirements for seeding and temporary stabilization.

Design and Installation

Effective seeding requires proper seedbed preparation, selecting an appropriate seed mixture, using appropriate seeding equipment to ensure proper coverage and density, and protecting seeded areas with mulch or fabric until plants are established.

The USDCM Volume 2 *Revegetation* Chapter contains detailed seed mixes, soil preparation practices, and seeding and mulching recommendations that should be referenced to supplement this Fact Sheet.

Drill seeding is the preferred seeding method. Hydroseeding is not recommended except in areas where steep slopes prevent use of drill seeding equipment, and even in these instances it is preferable to hand seed and mulch. Some jurisdictions do not allow hydroseeding or hydromulching.

Temporary and Permanent Seeding	
Functions	
Erosion Control	Yes
Sediment Control	No
Site/Material Management	No

Seedbed Preparation

Prior to seeding, ensure that areas to be revegetated have soil conditions capable of supporting vegetation. Overlot grading can result in loss of topsoil and compaction, resulting in poor quality subsoils at the ground surface that

have low nutrient value, little organic matter content, few soil microorganisms, rooting restrictions, and conditions less conducive to infiltration of precipitation. As a result, it is typically necessary to provide stockpiled topsoil, compost, or other soil amendments and rototill them into the soil to a depth of 6 inches or more.

Topsoil should be salvaged during grading operations for use and spread on areas to be revegetated later. Topsoil should be viewed as an important resource to be utilized for vegetation establishment, due to its water-holding capacity, structure, texture, organic matter content, biological activity, and nutrient content. The rooting depth of most native grasses in the semi-arid Denver metropolitan area is 6 to 18 inches. If present, at a minimum of the upper 6 inches of topsoil should be stripped, stockpiled, and ultimately respread across areas that will be revegetated.

Where topsoil is not available, subsoils should be amended to provide an appropriate plant-growth medium. Organic matter, such as well digested compost, can be added to improve soil characteristics conducive to plant growth. Other treatments can be used to adjust soil pH conditions when needed. Soil testing, which is typically inexpensive, should be completed to determine and optimize the types and amounts of amendments that are required.

If the disturbed ground surface is compacted, rip or rototill the upper 12 inches of the surface prior to placing topsoil. If adding compost to the existing soil surface, rototilling is necessary. Surface roughening will assist in placing a stable topsoil layer on steeper slopes, and allow infiltration and root penetration to greater depth. Topsoil should not be placed when either the salvaged topsoil or receiving ground are frozen or snow covered.

Prior to seeding, the soil surface should be rough and the seedbed should be firm, but neither too loose nor compacted. The upper layer of soil should be in a condition suitable for seeding at the proper depth and conducive to plant growth. Seed-to-soil contact is the key to good germination.

Refer to MHFD's Topsoil Management Guidance for detailed information on topsoil assessment, design, and construction.

Temporary Vegetation

To provide temporary vegetative cover on disturbed areas which will not be paved, built upon, or fully landscaped or worked for an extended period (typically 30 days or more), plant an annual grass appropriate for the time of planting and mulch the planted areas. Temporary grain seed mixes suitable for the Denver metropolitan area are listed in Table TS/PS-1. Native temporary seed mixes are provided in USDCM Volume 2, Chapter 13, Appendix A. These are to be considered only as general recommendations when specific design guidance for a particular site is not available. Local governments typically specify seed mixes appropriate for their jurisdiction.

Permanent Revegetation

To provide vegetative cover on disturbed areas that have reached final grade, a perennial grass mix should be established. Permanent seeding should be performed promptly (typically within 14 days) after reaching final grade. Each site will have different characteristics and a landscape professional or the local jurisdiction should be contacted to determine the most suitable seed mix for a specific site. In lieu of a specific recommendation, one of the perennial grass mixes appropriate for site conditions and growth season listed in seed mix tables in the USDCM Volume 2 *Revegetation* Chapter can be used. The pure live seed (PLS) rates of application recommended in these tables are considered to be absolute minimum rates for seed applied using proper drill-seeding equipment. These are to be considered only as general

recommendations when specific design guidance for a particular site is not available. Local governments typically specify seed mixes appropriate for their jurisdiction.

If desired for wildlife habitat or landscape diversity, shrubs such as rubber rabbitbrush (*Chrysothamnus nauseosus*), fourwing saltbush (*Atriplex canescens*) and skunkbrush sumac (*Rhus trilobata*) could be added to the upland seed mixes at 0.25, 0.5 and 1 pound PLS/acre, respectively. In riparian zones, planting root stock of such species as American plum (*Prunus americana*), woods rose (*Rosa woodsii*), plains cottonwood (*Populus sargentii*), and willow (*Salix spp.*) may be considered. On non-topsoiled upland sites, a legume such as Ladak alfalfa at 1 pound PLS/acre can be included as a source of nitrogen for perennial grasses.

Timing of seeding is an important aspect of the revegetation process. For upland and riparian areas on the Colorado Front Range, the suitable timing for seeding is from October through May. The most favorable time to plant non-irrigated areas is during the fall, so that seed can take advantage of winter and spring moisture. Seed should not be planted if the soil is frozen, snow covered, or wet.

Seeding dates for the highest success probability of perennial species along the Front Range are generally in the spring from April through early May and in the fall after the first of September until the ground freezes. If the area is irrigated, seeding may occur in summer months, as well. See Table TS/PS-2 for appropriate seeding dates.

Table TS/PS-1. Minimum Drill Seeding Rates for Various Temporary Annual Grasses

Species[a] (Common name)	Growth Season[b]	Pounds of Pure Live Seed (PLS)/acre[c]	Planting Depth (inches)
1. Oats	Cool	35 - 50	1 - 2
2. Spring wheat	Cool	25 - 35	1 - 2
3. Spring barley	Cool	25 - 35	1 - 2
4. Annual ryegrass	Cool	10 - 15	½
5. Millet	Warm	3 - 15	½ - ¾
6. Winter wheat	Cool	20–35	1 - 2
7. Winter barley	Cool	20–35	1 - 2
8. Winter rye	Cool	20–35	1 - 2
9. Triticale	Cool	25–40	1 - 2

[a] Successful seeding of annual grass resulting in adequate plant growth will usually produce enough dead-plant residue to provide protection from wind and water erosion for an additional year. This assumes that the cover is not disturbed or mowed closer than 8 inches.

Hydraulic seeding may be substituted for drilling only where slopes are steeper than 3:1 or where access limitations exist. When hydraulic seeding is used, hydraulic mulching should be applied as a separate operation, when practical, to prevent the seeds from being encapsulated in the mulch.

[b] See Table TS/PS-2 for seeding dates. Irrigation, if consistently applied, may extend the use of cool season species during the summer months.

[c] Seeding rates should be doubled if seed is broadcast, or increased by 50 percent if done using a Brillion Drill or by hydraulic seeding.

Table TS/PS-2. Seeding Dates for Annual and Perennial Grasses

	Annual Grasses (Numbers in table reference species in Table TS/PS-1)		Perennial Grasses	
Seeding Dates	**Warm**	**Cool**	**Warm**	**Cool**
January 1–March 15			✓	✓
March 16–April 30		1,2,3	✓	✓
May 1–May 15			✓	
May 16–June 30	5			
July 1–July 15	5			
July 16–August 31				
September 1–September 30		6, 7, 8, 9		
October 1–December 31			✓	✓

Mulch

Cover seeded areas with mulch or an appropriate rolled erosion control product to promote establishment of vegetation. Anchor mulch by crimping, netting or use of a non-toxic tackifier. See the USDCM Volume 2 *Revegetation* Chapter and Volume 3 Mulching BMP Fact Sheet (EC-04) for additional guidance.

Maintenance and Removal

Monitor and observe seeded areas to identify areas of poor growth or areas that fail to germinate. Reseed and mulch these areas, as needed.

If a temporary annual seed was planted, the area should be reseeded with the desired perennial mix when there will be no further work in the area. To minimize competition between annual and perennial species, the annual mix needs time to mature and die before seeding the perennial mix. To increase success of the perennial mix, it should be seeded during the appropriate seeding dates the second year after the temporary annual mix was seeded. Alternatively, if this timeline is not feasible, the annual mix seed heads should be removed and then the area seeded with the perennial mix.

An area that has been permanently seeded should have a good stand of vegetation within one growing season if irrigated and within three growing seasons without irrigation in Colorado. Reseed portions of the site that fail to germinate or remain bare after the first growing season.

Seeded areas may require irrigation, particularly during extended dry periods. Targeted weed control may also be necessary.

Protect seeded areas from construction equipment and vehicle access.

Description

Mulching consists of evenly applying straw, hay, shredded wood mulch, rock, bark or compost to disturbed soils and securing the mulch by crimping, tackifiers, netting or other measures. Mulching helps reduce erosion by protecting bare soil from rainfall impact, increasing infiltration, and reducing runoff. Although often applied in conjunction with temporary or permanent seeding, it can also be used for temporary stabilization of areas that cannot be reseeded due to seasonal constraints.

Mulch can be applied either using standard mechanical dry application methods or using hydromulching equipment that hydraulically applies a slurry of water, wood fiber mulch, and often a tackifier.



Photograph MU-1. An area that was recently seeded, mulched, and crimped.

Appropriate Uses

Use mulch in conjunction with seeding to help protect the seedbed and stabilize the soil. Mulch can also be used as a temporary cover on low to mild slopes to help temporarily stabilize disturbed areas where growing season constraints prevent effective reseeding. Disturbed areas should be properly mulched and tacked, or seeded, mulched and tacked promptly after final grade is reached (typically within no longer than 14 days) on portions of the site not otherwise permanently stabilized.

Standard dry mulching is encouraged in most jurisdictions; however, hydromulching may not be allowed in certain jurisdictions or may not be allowed near waterways.

Do not apply mulch during windy conditions.

Design and Installation

Prior to mulching, surface-roughen areas by rolling with a crimping or punching type roller or by track walking. Track walking should only be used where other methods are impractical because track walking with heavy equipment typically compacts the soil.

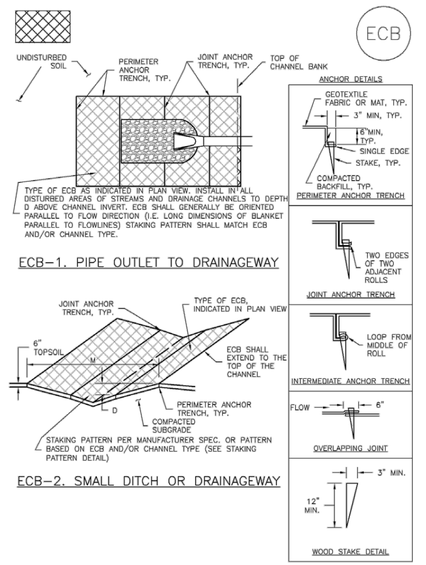
A variety of mulches can be used effectively at construction sites. Consider the following:

Mulch	
Functions	
Erosion Control	Yes
Sediment Control	Moderate
Site/Material Management	No

- Clean, weed-free and seed-free cereal grain straw should be applied evenly at a rate of 2 tons per acre and must be tacked or fastened by a method suitable for the condition of the site. Straw mulch must be anchored (and not merely placed) on the surface. This can be accomplished mechanically by crimping or with the aid of tackifiers or nets. Anchoring with a crimping implement is preferred, and is the recommended method for areas flatter than 3:1. Mechanical crimpers must be capable of tucking the long mulch fibers into the soil to a depth of 3 inches without cutting them. An agricultural disk, while not an ideal substitute, may work if the disk blades are dull or blunted and set vertically; however, the frame may have to be weighted to afford proper soil penetration.
- Grass hay may be used in place of straw; however, because hay is comprised of the entire plant including seed, mulching with hay may seed the site with non-native grass species which might in turn out-compete the native seed. Alternatively, native species of grass hay may be purchased, but can be difficult to find and are more expensive than straw. Purchasing and utilizing a certified weed-free straw is an easier and less costly mulching method. When using grass hay, follow the same guidelines as for straw (provided above).
- On small areas sheltered from the wind and heavy runoff, spraying a tackifier on the mulch is satisfactory for holding it in place. For steep slopes and special situations where greater control is needed, erosion control blankets anchored with stakes should be used instead of mulch.
- Hydraulic mulching consists of wood cellulose fibers mixed with water and a tackifying agent and should be applied at a rate of no less than 1,500 pounds per acre (1,425 lbs of fibers mixed with at least 75 lbs of tackifier) with a hydraulic mulcher. For steeper slopes, up to 2000 pounds per acre may be required for effective hydroseeding. Hydromulch typically requires up to 24 hours to dry; therefore, it should not be applied immediately prior to inclement weather. Application to roads, waterways and existing vegetation should be avoided.
- Erosion control mats, blankets, or nets are recommended to help stabilize steep slopes (generally 3:1 and steeper) and waterways. Depending on the product, these may be used alone or in conjunction with grass or straw mulch. Normally, use of these products will be restricted to relatively small areas. Biodegradable mats made of straw and jute, straw-coconut, coconut fiber, or excelsior can be used instead of mulch. (See the ECM/TRM BMP for more information.)
- Some tackifiers or binders may be used to anchor mulch. Check with the local jurisdiction for allowed tackifiers. Manufacturer's recommendations should be followed at all times. (See the Soil Binder BMP for more information on general types of tackifiers.)
- Rock can also be used as mulch. It provides protection of exposed soils to wind and water erosion and allows infiltration of precipitation. An aggregate base course can be spread on disturbed areas for temporary or permanent stabilization. The rock mulch layer should be thick enough to provide full coverage of exposed soil on the area it is applied.

Maintenance and Removal

After mulching, the bare ground surface should not be more than 10 percent exposed. Reapply mulch, as needed, to cover bare areas.



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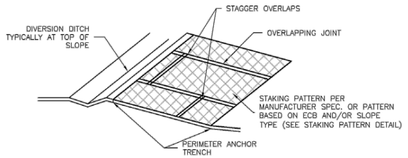
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MAIN STREET OFF-STREET PARKING LOT
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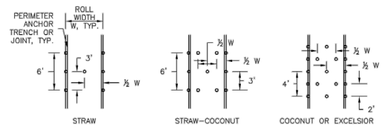
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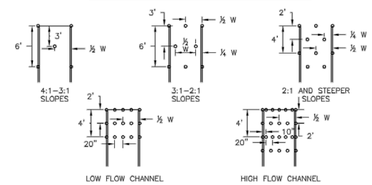
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ECB–3. OUTSIDE OF DRAINAGEWAY



STAKING PATTERNS BY ECB TYPE



STAKING PATTERNS BY SLOPE OR CHANNEL TYPE

EROSION CONTROL BLANKET INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF ECB.
   –TYPE OF ECB (STRAW, STRAW–COCONUT, COCONUT, OR EXCELSIOR).
   –AREA, A, IN SQUARE YARDS OF EACH TYPE OF ECB.

2. 100% NATURAL AND BIODEGRADABLE MATERIALS ARE PREFERRED FOR RECPs, ALTHOUGH SOME JURISDICTIONS MAY ALLOW OTHER MATERIALS IN SOME APPLICATIONS.

3. IN AREAS WHERE ECBs ARE SHOWN ON THE PLANS, THE PERMITTEE SHALL PLACE TOPSOIL AND PERFORM FINAL GRADING, SURFACE PREPARATION, AND SEEDING AND MULCHING. SUBGRADE SHALL BE SMOOTH AND MOIST PRIOR TO ECB INSTALLATION AND THE ECB SHALL BE IN FULL CONTACT WITH SUBGRADE. NO GAPS OR VOIDS SHALL EXIST UNDER THE BLANKET.

4. PERIMETER ANCHOR TRENCH SHALL BE USED ALONG THE OUTSIDE PERIMETER OF ALL BLANKET AREAS.

5. JOINT ANCHOR TRENCH SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER (LONGITUDINALLY AND TRANSVERSELY) FOR ALL ECBs EXCEPT STRAW WHICH MAY USE AN OVERLAPPING JOINT.

6. INTERMEDIATE ANCHOR TRENCH SHALL BE USED AT SPACING OF ONE–HALF ROLL LENGTH FOR COCONUT AND EXCELSIOR ECBs.

7. OVERLAPPING JOINT DETAIL SHALL BE USED TO JOIN ROLLS OF ECBs TOGETHER FOR ECBs ON SLOPES.

8. MATERIAL SPECIFICATIONS OF ECBs SHALL CONFORM TO TABLE ECB–1.

9. ANY AREAS OF SEEDING AND MULCHING DISTURBED IN THE PROCESS OF INSTALLING ECBS SHALL BE RESEEDED AND MULCHED.

10. DETAILS ON DESIGN PLANS FOR MAJOR DRAINAGEWAY STABILIZATION WILL GOVERN IF DIFFERENT FROM THOSE SHOWN HERE.

TABLE ECB–1. ECB MATERIAL SPECIFICATIONS

TYPE	COCONUT CONTENT	STRAW CONTENT	EXCELSIOR CONTENT	RECOMMENDED NETTING**
STRAW*	–	100%	–	DOUBLE/ NATURAL
STRAW–COCONUT	30% MIN	70% MAX	–	DOUBLE/ NATURAL
COCONUT	100%	–	–	DOUBLE/ NATURAL
EXCELSIOR	–	–	100%	DOUBLE/ NATURAL

*STRAW ECBs MAY ONLY BE USED OUTSIDE OF STREAMS AND DRAINAGE CHANNEL.
**ALTERNATE NETTING MAY BE ACCEPTABLE IN SOME JURISDICTIONS

EROSION CONTROL BLANKET MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

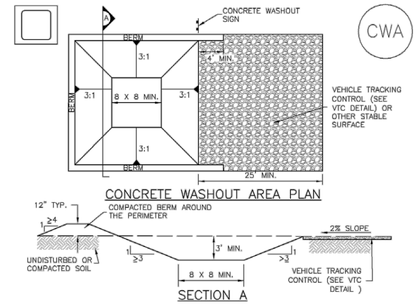
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ECBs SHALL BE LEFT IN PLACE TO EVENTUALLY BIODEGRADE, UNLESS REQUESTED TO BE REMOVED BY THE LOCAL JURISDICTION.

5. ANY ECB PULLED OUT, TORN, OR OTHERWISE DAMAGED SHALL BE REPAIRED OR REINSTALLED. ANY SUBGRADE AREAS BELOW THE GEOTEXTILE THAT HAVE ERODED TO CREATED A VOID UNDER THE BLANKET, OR THAT REMAIN DEVOID OF GRASS SHALL BE REPAIRED, RESEEDED AND MULCHED AND THE ECB REINSTALLED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO AND TOWN OF PARKER COLORADO, NOT AVAILABLE IN AUTOCAD)



CONCRETE WASHOUT AREA PLAN

SECTION A

CWA–1. CONCRETE WASHOUT AREA

CWA INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –CWA INSTALLATION LOCATION.

2. DO NOT LOCATE AN UNLINED CWA WITHIN 400' OF ANY NATURAL DRAINAGE PATHWAY OR WATERBODY. DO NOT LOCATE WITHIN 1,000' OF ANY WELLS OR DRINKING WATER SOURCES. IF SITE CONSTRAINTS MAKE THIS INFEASIBLE, OR IF HIGHLY PERMEABLE SOILS EXIST ON SITE, THE CWA MUST BE INSTALLED WITH AN IMPERMEABLE LINER (10 MIL MIN. THICKNESS) OR SURFACE STORAGE ALTERNATIVES USING PREFABRICATED CONCRETE WASHOUT DEVICES OR A LINED ABOVE GROUND STORAGE ARE SHOULD BE USED.

3. THE CWA SHALL BE INSTALLED PRIOR TO CONCRETE PLACEMENT ON SITE.

4. CWA SHALL INCLUDE A FLAT SUBSURFACE PIT THAT IS AT LEAST 8' BY 8' SLOPES LEADING OUT OF THE SUBSURFACE PIT SHALL BE 3:1 OR FLATTER. THE PIT SHALL BE AT LEAST 3' DEEP.

5. BERM SURROUNDING SIDES AND BACK OF THE CWA SHALL HAVE MINIMUM HEIGHT OF 1'.

6. VEHICLE TRACKING PAD SHALL BE SLOPED 2% TOWARDS THE CWA.

7. SIGNS SHALL BE PLACED AT THE CONSTRUCTION ENTRANCE, AT THE CWA, AND ELSEWHERE AS NECESSARY TO CLEARLY INDICATE THE LOCATION OF THE CWA TO OPERATORS OF CONCRETE TRUCKS AND PUMP RIGS.

8. USE EXCAVATED MATERIAL FOR PERIMETER BERM CONSTRUCTION.

CWA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. THE CWA SHALL BE REPAIRED, CLEANED, OR ENLARGED AS NECESSARY TO MAINTAIN CAPACITY FOR CONCRETE WASTE. CONCRETE MATERIALS, ACCUMULATED IN PIT, SHALL BE REMOVED ONCE THE MATERIALS HAVE REACHED A DEPTH OF 2'.

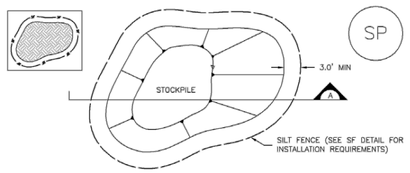
5. CONCRETE WASHOUT WATER, WASTED PIECES OF CONCRETE AND ALL OTHER DEBRIS IN THE SUBSURFACE PIT SHALL BE TRANSPORTED FROM THE JOB SITE IN A WATER–TIGHT CONTAINER AND DISPOSED OF PROPERLY.

6. THE CWA SHALL REMAIN IN PLACE UNTIL ALL CONCRETE FOR THE PROJECT IS PLACED.

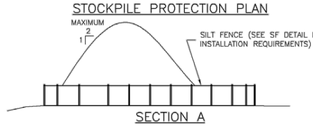
7. WHEN THE CWA IS REMOVED, COVER THE DISTURBED AREA WITH TOP SOIL, SEED AND MULCH OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM DOUGLAS COUNTY, COLORADO AND THE CITY OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD).

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



STOCKPILE PROTECTION PLAN



SECTION A

SP–1. STOCKPILE PROTECTION

STOCKPILE PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF STOCKPILES.
   –TYPE OF STOCKPILE PROTECTION.

2. INSTALL PERIMETER CONTROLS IN ACCORDANCE WITH THEIR RESPECTIVE DESIGN DETAILS. SILT FENCE IS SHOWN IN THE STOCKPILE PROTECTION DETAILS; HOWEVER, OTHER TYPES OF PERIMETER CONTROLS INCLUDING SEDIMENT CONTROL LOGS OR ROCK SOCKS MAY BE SUITABLE IN SOME CIRCUMSTANCES. CONSIDERATIONS FOR DETERMINING THE APPROPRIATE TYPE OF PERIMETER CONTROL FOR A STOCKPILE INCLUDE WHETHER THE STOCKPILE IS LOCATED ON A PERVIOUS OR IMPERVIOUS SURFACE, THE RELATIVE HEIGHTS OF THE PERIMETER CONTROL AND STOCKPILE, THE ABILITY OF THE PERIMETER CONTROL TO CONTAIN THE STOCKPILE WITHOUT FAILING IN THE EVENT THAT MATERIAL FROM THE STOCKPILE SHIFTS OR SLUMPS AGAINST THE PERIMETER, AND OTHER FACTORS.

3. STABILIZE THE STOCKPILE SURFACE WITH SURFACE ROUGHENING, TEMPORARY SEEDING AND MULCHING, EROSION CONTROL BLANKETS, OR SOIL BINDERS. SOILS STOCKPILED FOR AN EXTENDED PERIOD (TYPICALLY FOR MORE THAN 60 DAYS) SHOULD BE SEEDED AND MULCHED WITH A TEMPORARY GRASS COVER ONCE THE STOCKPILE IS PLACED (TYPICALLY WITHIN 14 DAYS). USE OF MULCH ONLY OR A SOIL BINDER IS ACCEPTABLE IF THE STOCKPILE WILL BE IN PLACE FOR A MORE LIMITED TIME PERIOD (TYPICALLY 30–60 DAYS).

4. FOR TEMPORARY STOCKPILES ON THE INTERIOR PORTION OF A CONSTRUCTION SITE, WHERE OTHER DOWNGRADIENT CONTROLS, INCLUDING PERIMETER CONTROL, ARE IN PLACE, STOCKPILE PERIMETER CONTROLS MAY NOT BE REQUIRED.

STOCKPILE PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

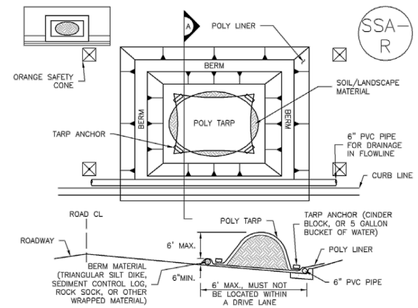
STOCKPILE PROTECTION MAINTENANCE NOTES

4. IF PERIMETER PROTECTION MUST BE MOVED TO ACCESS SOIL STOCKPILE, REPLACE PERIMETER CONTROLS BY THE END OF THE WORKDAY.

5. STOCKPILE PERIMETER CONTROLS CAN BE REMOVED ONCE ALL THE MATERIAL FROM THE STOCKPILE HAS BEEN USED.

(DETAILS ADAPTED FROM PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



SP–2. MATERIALS STAGING IN ROADWAY

MATERIALS STAGING IN ROADWAYS INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF MATERIAL STAGING AREA(S).
   –CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.

2. FEATURE MUST BE INSTALLED PRIOR TO EXCAVATION, EARTHWORK OR DELIVERY OF MATERIALS.

3. MATERIALS MUST BE STATIONED ON THE POLY LINER. ANY INCIDENTAL MATERIALS DEPOSITED ON PAVED SECTION OR ALONG CURB LINE MUST BE CLEANED UP PROMPTLY.

4. POLY LINER AND TARP COVER SHOULD BE OF SIGNIFICANT THICKNESS TO PREVENT DAMAGE OR LOSS OF INTEGRITY.

5. SAND BAGS MAY BE SUBSTITUTED TO ANCHOR THE COVER TARP OR PROVIDE BERMING UNDER THE BASE LINER.

6. FEATURE IS NOT INTENDED FOR USE WITH WET MATERIAL THAT WILL BE DRAINING AND/OR SPREADING OUT ON THE POLY LINER OR FOR DEMOLITION MATERIALS.

7. THIS FEATURE CAN BE USED FOR:
   –UTILITY REPAIRS.
   –WHEN OTHER STAGING LOCATIONS AND OPTIONS ARE LIMITED.
   –OTHER LIMITED APPLICATION AND SHORT DURATION STAGING.

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 27 OF

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILS.DWG 5

MATERIALS STAGING IN ROADWAY MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

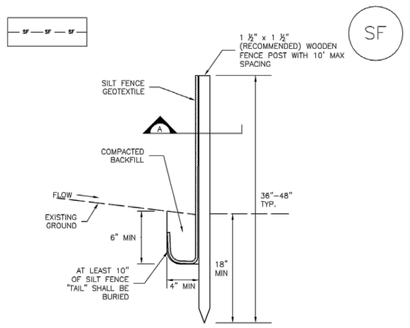
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. INSPECT PVC PIPE ALONG CURB LINE FOR CLOGGING AND DEBRIS. REMOVE OBSTRUCTIONS PROMPTLY.

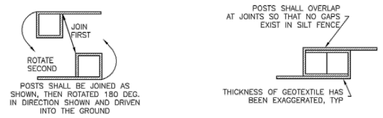
5. CLEAN MATERIAL FROM PAVED SURFACES BY SWEEPING OR VACUUMING.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM AURORA, COLORADO)



SILT FENCE



SECTION A

SF-1. SILT FENCE

SILT FENCE INSTALLATION NOTES

1. SILT FENCE MUST BE PLACED AWAY FROM THE TOE OF THE SLOPE TO ALLOW FOR WATER PONDING. SILT FENCE AT THE TOE OF A SLOPE SHOULD BE INSTALLED IN A FLAT LOCATION AT LEAST SEVERAL FEET (2–5 FT) FROM THE TOE OF THE SLOPE TO ALLOW ROOM FOR PONDING AND DEPOSITION.

2. A UNIFORM 6" X 4" ANCHOR TRENCH SHALL BE EXCAVATED USING TRENCHER OR SILT FENCE INSTALLATION DEVICE. NO ROAD GRADERS, BACKHOES, OR SIMILAR EQUIPMENT SHALL BE USED.

3. COMPACT ANCHOR TRENCH BY HAND WITH A "JUMPING JACK" OR BY WHEEL ROLLING. COMPACTION SHALL BE SUCH THAT SILT FENCE RESISTS BEING PULLED OUT OF ANCHOR TRENCH BY HAND.

4. SILT FENCE SHALL BE PULLED TIGHT AS IT IS ANCHORED TO THE STAKES. THERE SHOULD BE NO NOTICEABLE SAG BETWEEN STAKES AFTER IT HAS BEEN ANCHORED TO THE STAKES.

5. SILT FENCE FABRIC SHALL BE ANCHORED TO THE STAKES USING 1" HEAVY DUTY STAPLES OR NAILS WITH 1" HEADS. STAPLES AND NAILS SHOULD BE PLACED 3" ALONG THE FABRIC DOWN THE STAKE.

6. AT THE END OF A RUN OF SILT FENCE ALONG A CONTOUR, THE SILT FENCE SHOULD BE TURNED PERPENDICULAR TO THE CONTOUR TO CREATE A "J-HOOK." THE "J-HOOK" EXTENDING PERPENDICULAR TO THE CONTOUR SHOULD BE OF SUFFICIENT LENGTH TO KEEP RUNOFF FROM FLOWING AROUND THE END OF THE SILT FENCE (TYPICALLY 10' – 20').

7. SILT FENCE SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

SILT FENCE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF THE SILT FENCE SHALL BE REMOVED AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY 6".

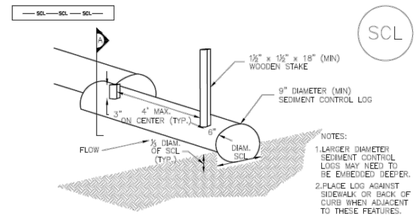
5. REPAIR OR REPLACE SILT FENCE WHEN THERE ARE SIGNS OF WEAR, SUCH AS SAGGING, TEARING, OR COLLAPSE.

6. SILT FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION, OR IS REPLACED BY AN EQUIVALENT PERIMETER SEDIMENT CONTROL BMP.

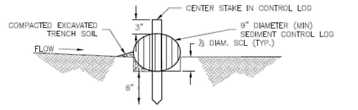
7. WHEN SILT FENCE IS REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, NOT AVAILABLE IN AUTOCAD)

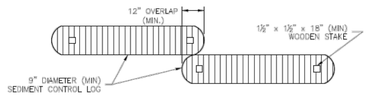
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TRENCHED SEDIMENT CONTROL LOG

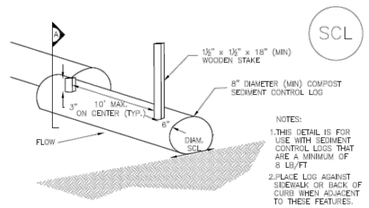


SECTION A
TRENCHED SEDIMENT CONTROL LOG

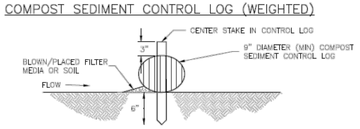


LOG JOINTS

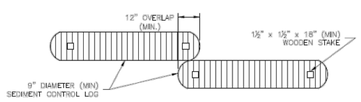
SCL-1. TRENCHED SEDIMENT CONTROL LOG



COMPOST SEDIMENT CONTROL LOG (WEIGHTED)

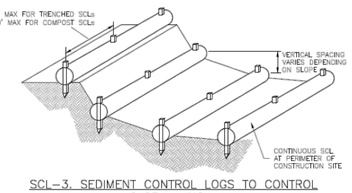


SECTION A
COMPOST SEDIMENT CONTROL LOG



LOG JOINTS

SCL-2. COMPOST SEDIMENT CONTROL LOG (WEIGHTED)



SCL-3. SEDIMENT CONTROL LOGS TO CONTROL SLOPE LENGTH

SEDIMENT CONTROL LOG INSTALLATION NOTES

1. SEE PLAN VIEW FOR LOCATION AND LENGTH OF SEDIMENT CONTROL LOGS.

2. SEDIMENT CONTROL LOGS THAT ACT AS A PERIMETER CONTROL SHALL BE INSTALLED PRIOR TO ANY UPGRADIENT LAND-DISTURBING ACTIVITIES.

3. SEDIMENT CONTROL LOGS SHALL CONSIST OF STRAW, COMPOST, EXCELSIOR OR COCONUT FIBER, AND SHALL BE FREE OF ANY NOXIOUS WEED SEEDS OR DEFECTS INCLUDING RIPS, HOLES AND OBVIOUS WEAR.

4. SEDIMENT CONTROL LOGS MAY BE USED AS SMALL CHECK DAMS IN DITCHES AND SWALES. HOWEVER, THEY SHOULD NOT BE USED IN PERENNIAL STREAMS.

5. IT IS RECOMMENDED THAT SEDIMENT CONTROL LOGS BE TRENCHED INTO THE GROUND TO A DEPTH OF APPROXIMATELY ⅓ OF THE DIAMETER OF THE LOG. IF TRENCHING TO THIS DEPTH IS NOT FEASIBLE AND/OR DESIRABLE (SHORT TERM INSTALLATION WITH DESIRE NOT TO DAMAGE LANDSCAPE) A LESSER TRENCHING DEPTH MAY BE ACCEPTABLE WITH MORE ROBUST STAKING. COMPOST LOGS THAT ARE 8 LB/FT DO NOT NEED TO BE TRENCHED.

6. THE UPHILL SIDE OF THE SEDIMENT CONTROL LOG SHALL BE BACKFILLED WITH SOIL OR FILTER MATERIAL THAT IS FREE OF ROCKS AND DEBRIS. THE SOIL SHALL BE TIGHTLY COMPACTED INTO THE SHAPE OF A RIGHT TRIANGLE USING A SHOVEL OR WEIGHTED LAWN ROLLER OR BLOWN IN PLACE.

7. FOLLOW MANUFACTURERS' GUIDANCE FOR STAKING. IF MANUFACTURERS' INSTRUCTIONS DO NOT SPECIFY SPACING, STAKES SHALL BE PLACED ON 4' CENTERS AND EMBEDDED A MINIMUM OF 6" INTO THE GROUND. 3" OF THE STAKE SHALL PROTRUDE FROM THE TOP OF THE LOG. STAKES THAT ARE BROKEN PRIOR TO INSTALLATION SHALL BE REPLACED. COMPOST LOGS SHOULD BE STAKED 10' ON CENTER.

SEDIMENT CONTROL LOG MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

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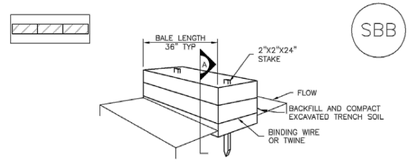
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF SEDIMENT CONTROL LOG SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY ½ OF THE HEIGHT OF THE SEDIMENT CONTROL LOG.

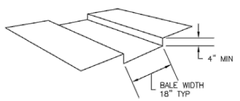
5. SEDIMENT CONTROL LOG SHALL BE REMOVED AT THE END OF CONSTRUCTION.COMPOST FROM COMPOST LOGS MAY BE LEFT IN PLACE AS LONG AS BAGS ARE REMOVED AND THE AREA SEEDED. IF DISTURBED AREAS EXIST AFTER REMOVAL, THEY SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, JEFFERSON COUNTY, COLORADO, DOUGLAS COUNTY, COLORADO, AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

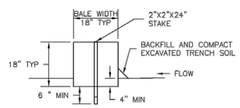
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STRAW BALE



TRENCH FOR STRAW BALE



SECTION A

SBB-1. STRAW BALE

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 28 OF

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILS.DWG 6

STRAW BALE INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION(S) OF STRAW BALES.

2. STRAW BALES SHALL CONSIST OF CERTIFIED WEED FREE STRAW OR HAY. LOCAL JURISDICTIONS MAY REQUIRE PROOF THAT BALES ARE WEED FREE.

3. STRAW BALES SHALL CONSIST OF APPROXIMATELY 5 CUBIC FEET OF STRAW OR HAY AND WEIGH NOT LESS THAN 35 POUNDS.

4. WHEN STRAW BALES ARE USED IN SERIES AS A BARRIER, THE END OF EACH BALE SHALL BE TIGHTLY ABUTTING ONE ANOTHER.

5. STRAW BALE DIMENSIONS SHALL BE APPROXIMATELY 36"X18"X18".

6. A UNIFORM ANCHOR TRENCH SHALL BE EXCAVATED TO A DEPTH OF 4". STRAW BALES SHALL BE PLACED SO THAT BINDING TWINE IS ENCOMPASSING THE VERTICAL SIDES OF THE BALE(S). ALL EXCAVATED SOIL SHALL BE PLACED ON THE UPHILL SIDE OF THE STRAW BALE(S) AND COMPACTED.

7. TWO (2) WOODEN STAKES SHALL BE USED TO HOLD EACH BALE IN PLACE. WOODEN STAKES SHALL BE 2"X2"X24". WOODEN STAKES SHALL BE DRIVEN 6" INTO THE GROUND.

STRAW BALE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. STRAW BALES SHALL BE REPLACED IF THEY BECOME HEAVILY SOILED, ROTTEN, OR DAMAGED BEYOND REPAIR.

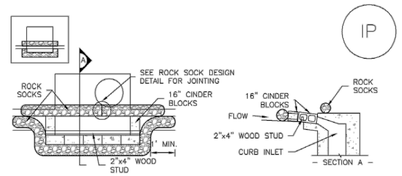
5. SEDIMENT ACCUMULATED UPSTREAM OF STRAW BALE BARRIER SHALL BE REMOVED AS NEEDED TO MAINTAIN FUNCTIONALITY OF THE BMP, TYPICALLY WHEN DEPTH OF ACCUMULATED SEDIMENTS IS APPROXIMATELY ¼ OF THE HEIGHT OF THE STRAW BALE BARRIER.

6. STRAW BALES ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

7. WHEN STRAW BALES ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.



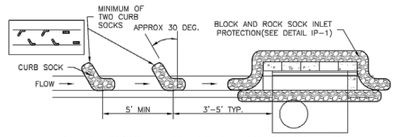
IP–1. BLOCK AND ROCK SOCK SUMP OR ON GRADE INLET PROTECTION

BLOCK AND CURB SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. CONCRETE "CINDER" BLOCKS SHALL BE LAID ON THEIR SIDES AROUND THE INLET IN A SINGLE ROW, ABUTTING ONE ANOTHER WITH THE OPEN END FACING AWAY FROM THE CURB.

3. GRAVEL BAGS SHALL BE PLACED AROUND CONCRETE BLOCKS, CLOSELY ABUTTING ONE ANOTHER AND JOINTED TOGETHER IN ACCORDANCE WITH ROCK SOCK DESIGN DETAIL.



IP–2. CURB ROCK SOCKS UPSTREAM OF INLET PROTECTION

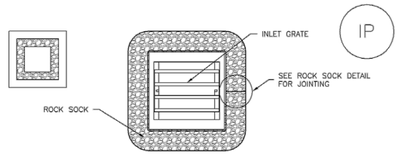
CURB ROCK SOCK INLET PROTECTION INSTALLATION NOTES

1. SEE ROCK SOCK DESIGN DETAIL INSTALLATION REQUIREMENTS.

2. PLACEMENT OF THE SOCK SHALL BE APPROXIMATELY 30 DEGREES FROM PERPENDICULAR IN THE OPPOSITE DIRECTION OF FLOW.

3. SOCKS ARE TO BE FLUSH WITH THE CURB AND SPACED A MINIMUM OF 5 FEET APART.

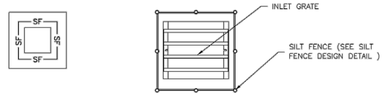
4. AT LEAST TWO CURB SOCKS IN SERIES ARE REQUIRED UPSTREAM OF ON–GRADE INLETS.



IP–3. ROCK SOCK SUMP/AREA INLET PROTECTION

ROCK SOCK SUMP/AREA INLET PROTECTION INSTALLATION NOTES
1. SEE ROCK SOCK DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF ROCK SOCKS FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



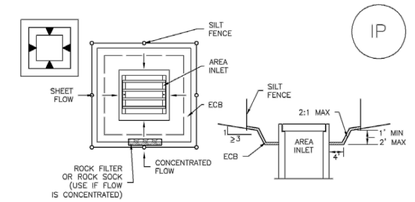
IP–4. SILT FENCE FOR SUMP INLET PROTECTION

SILT FENCE INLET PROTECTION INSTALLATION NOTES

1. SEE SILT FENCE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. POSTS SHALL BE PLACED AT EACH CORNER OF THE INLET AND AROUND THE EDGES AT A MAXIMUM SPACING OF 3 FEET.

3. STRAW WATTLES/SEDIMENT CONTROL LOGS MAY BE USED IN PLACE OF SILT FENCE FOR INLETS IN PERVIOUS AREAS. INSTALL PER SEDIMENT CONTROL LOG DETAIL.



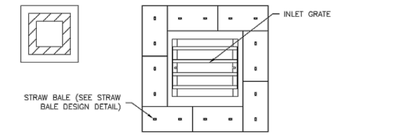
IP–5. OVEREXCAVATION INLET PROTECTION

OVEREXCAVATION INLET PROTECTION INSTALLATION NOTES

1. THIS FORM OF INLET PROTECTION IS PRIMARILY APPLICABLE FOR SITES THAT HAVE NOT YET REACHED FINAL GRADE AND SHOULD BE USED ONLY FOR INLETS WITH A RELATIVELY SMALL CONTRIBUTING DRAINAGE AREA.

2. WHEN USING FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW.

3. SEDIMENT MUST BE PERIODICALLY REMOVED FROM THE OVEREXCAVATED AREA.

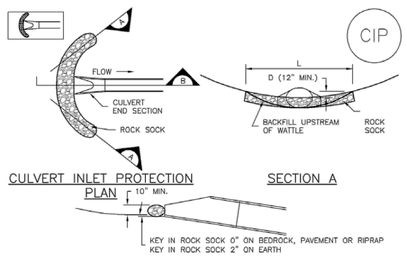


IP–6. STRAW BALE FOR SUMP INLET PROTECTION

STRAW BALE BARRIER INLET PROTECTION INSTALLATION NOTES

1. SEE STRAW BALE DESIGN DETAIL FOR INSTALLATION REQUIREMENTS.

2. BALES SHALL BE PLACED IN A SINGLE ROW AROUND THE INLET WITH ENDS OF BALES TIGHTLY ABUTTING ONE ANOTHER.



CIP–1. CULVERT INLET PROTECTION

CULVERT INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF CULVERT INLET PROTECTION.

2. SEE ROCK SOCK DESIGN DETAIL FOR ROCK GRADATION REQUIREMENTS AND JOINTING DETAIL.

CULVERT INLET PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF THE CULVERT SHALL BE REMOVED WHEN THE SEDIMENT DEPTH IS ½ THE HEIGHT OF THE ROCK SOCK.

5. CULVERT INLET PROTECTION SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

(DETAILS ADAPTED FROM AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

GENERAL INLET PROTECTION INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF INLET PROTECTION.
   –TYPE OF INLET PROTECTION (IP.1, IP.2, IP.3, IP.4, IP.5, IP.6)

2. INLET PROTECTION SHALL BE INSTALLED PROMPTLY AFTER INLET CONSTRUCTION OR PAVING IS COMPLETE (TYPICALLY WITHIN 48 HOURS). IF A RAINFALL/RUNOFF EVENT IS FORECAST, INSTALL INLET PROTECTION PRIOR TO ONSET OF EVENT.

3. MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

INLET PROTECTION MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. SEDIMENT ACCUMULATED UPSTREAM OF INLET PROTECTION SHALL BE REMOVED AS NECESSARY TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN STORAGE VOLUME REACHES 50% OF CAPACITY, A DEPTH OF 6" WHEN SILT FENCE IS USED, OR ¼ OF THE HEIGHT FOR STRAW BALES.

5. INLET PROTECTION IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS PERMANENTLY STABILIZED, UNLESS THE LOCAL JURISDICTION APPROVES EARLIER REMOVAL OF INLET PROTECTION IN STREETS.

6. WHEN INLET PROTECTION AT AREA INLETS IS REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOP SOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO AND CITY OF AURORA, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

NOTE: THE DETAILS INCLUDED WITH THIS FACT SHEET SHOW COMMONLY USED, CONVENTIONAL METHODS OF INLET PROTECTION IN THE DENVER METROPOLITAN AREA. THERE ARE MANY PROPRIETARY INLET PROTECTION METHODS ON THE MARKET. UDFCD NEITHER ENDORSES NOR DISCOURAGES USE OF PROPRIETARY INLET PROTECTION; HOWEVER, IN THE EVENT PROPRIETARY METHODS ARE USED, THE APPROPRIATE DETAIL FROM THE MANUFACTURER MUST BE INCLUDED IN THE SWMP AND THE BMP MUST BE INSTALLED AND MAINTAINED AS SHOWN IN THE MANUFACTURER'S DETAILS.

NOTE: SOME MUNICIPALITIES DISCOURAGE OR PROHIBIT THE USE OF STRAW BALES FOR INLET PROTECTION. CHECK WITH LOCAL JURISDICTION TO DETERMINE IF STRAW BALE INLET PROTECTION IS ACCEPTABLE.

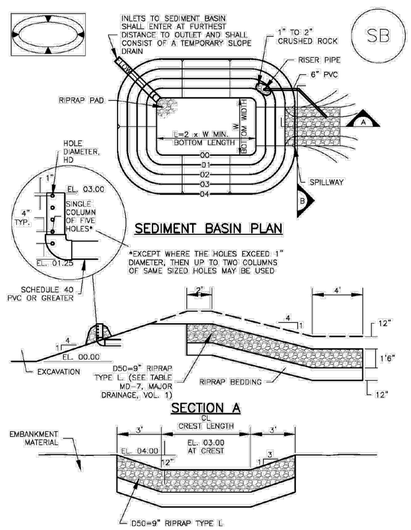


TABLE SB–1. SIZING INFORMATION FOR STANDARD SEDIMENT BASIN

Upstream Drainage Area (rounded to nearest acre), (ac)	Basin Bottom Width (W), (ft)	Spillway Crest Length (CL), (ft)	Hole Diameter (HD), (in)
1	12 ½	2	9/32
2	21	3	13/16
3	28	5	½
4	33 ½	6	9/16
5	38 ½	8	27/32
6	43	9	27/32
7	47 ¾	11	27/32
8	51	12	27/32
9	55	13	⅞
10	58 ¾	15	15/16
11	61	16	31/32
12	64	18	1
13	67 ½	19	1 1/16
14	70 ½	21	1 ⅛
15	73 ¼	22	1 3/16

SEDIMENT BASIN INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF SEDIMENT BASIN.
   –TYPE OF BASIN (STANDARD BASIN OR NONSTANDARD BASIN).
   –FOR STANDARD BASIN, BOTTOM WIDTH W, CREST LENGTH CL, AND HOLE DIAMETER, HD.
   –FOR NONSTANDARD BASIN, SEE CONSTRUCTION DRAWINGS FOR DESIGN OF BASIN INCLUDING RISER HEIGHT H, NUMBER OF COLUMNS N, HOLE DIAMETER HD AND PIPE DIAMETER D.

2. FOR STANDARD BASIN, BOTTOM DIMENSION MAY BE MODIFIED AS LONG AS BOTTOM AREA IS NOT REDUCED.

3. SEDIMENT BASINS SHALL BE INSTALLED PRIOR TO ANY OTHER LAND–DISTURBING ACTIVITY THAT RELIES ON ON BASINS AS AS A STORMWATER CONTROL.

4. EMBANKMENT MATERIAL SHALL CONSIST OF SOIL FREE OF DEBRIS, ORGANIC MATERIAL, AND ROCKS OR CONCRETE GREATER THAN 3 INCHES AND SHALL HAVE A MINIMUM OF 15 PERCENT BY WEIGHT PASSING THE NO. 200 SIEVE.

5. EMBANKMENT MATERIAL SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.

6. PIPE SCH 40 OR GREATER SHALL BE USED.

7. THE DETAILS SHOWN ON THESE SHEETS PERTAIN TO STANDARD SEDIMENT BASIN(S) FOR DRAINAGE AREAS LESS THAN 15 ACRES. SEE CONSTRUCTION DRAWINGS FOR EMBANKMENT, STORAGE VOLUME, SPILLWAY, OUTLET, AND OUTLET PROTECTION DETAILS FOR ANY SEDIMENT BASIN(S) THAT HAVE BEEN INDIVIDUALLY DESIGNED FOR DRAINAGE AREAS LARGER THAN 15 ACRES.

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

SHEET 29 OF 31

1/30/2025 11:25 AM X:\TOWN OF ELIZABETH\CAD\PLANS\01 - MAIN ST PARKING\PRELIMINARY CDS DETAILS.DWG 7

SEDIMENT BASIN MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

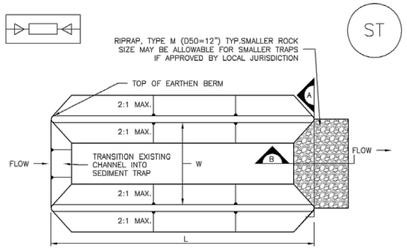
4. SEDIMENT ACCUMULATED IN BASIN SHALL BE REMOVED AS NEEDED TO MAINTAIN BMP EFFECTIVENESS, TYPICALLY WHEN SEDIMENT DEPTH REACHES ONE FOOT (I.E., TWO FEET BELOW THE SPILLWAY CREST).

5. SEDIMENT BASINS ARE TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND GRASS COVER IS ACCEPTED BY THE LOCAL JURISDICTION.

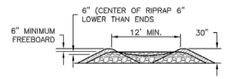
6. WHEN SEDIMENT BASINS ARE REMOVED, ALL DISTURBED AREAS SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO)

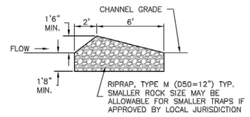
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SEDIMENT TRAP PLAN



SECTION A



SECTION B

ST-1. SEDIMENT TRAP

SEDIMENT TRAP INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION, LENGTH AND WIDTH OF SEDIMENT TRAP.

2. ONLY USE FOR DRAINAGE AREAS LESS THAN 1 ACRE.

3. SEDIMENT TRAPS SHALL BE INSTALLED PRIOR TO ANY UPGRADIENT LAND–DISTURBING ACTIVITIES.

4. SEDIMENT TRAP BERM SHALL BE CONSTRUCTED FROM MATERIAL FROM EXCAVATION. THE BERM SHALL BE COMPACTED TO 95% OF THE MAXIMUM DENSITY IN ACCORDANCE WITH ASTM D698.

5. SEDIMENT TRAP OUTLET TO BE CONSTRUCTED OF RIPRAP, TYPE M (D50=12") TYP.SMALLER ROCK SIZE MAY BE ALLOWABLE FOR SMALLER TRAPS IF APPROVED BY LOCAL JURISDICTION.

6. THE TOP OF THE EARTHEN BERM SHALL BE A MINIMUM OF 6" HIGHER THAN THE TOP OF THE RIPRAP OUTLET STRUCTURE.

7. THE ENDS OF THE RIPRAP OUTLET STRUCTURE SHALL BE A MINIMUM OF 6" HIGHER THAN THE CENTER OF THE OUTLET STRUCTURE.

SEDIMENT TRAP MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. REMOVE SEDIMENT ACCUMULATED IN TRAP AS NEEDED TO MAINTAIN THE FUNCTIONALITY OF THE BMP, TYPICALLY WHEN THE SEDIMENT DEPTH REACHES ½ THE HEIGHT OF THE RIPRAP OUTLET.

5. SEDIMENT TRAPS SHALL REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

6. WHEN SEDIMENT TRAPS ARE REMOVED, THE DISTURBED AREA SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY THE LOCAL JURISDICTION.

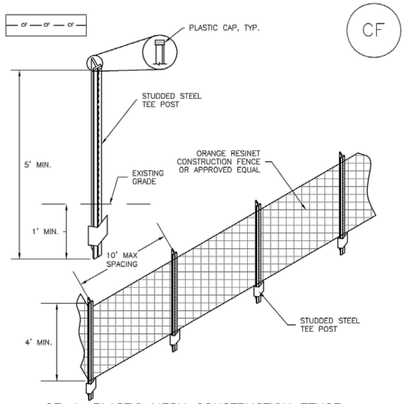
(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

Table CP-1. Typical Phased BMP Installation for Construction Projects

Project Phase	BMPs
Pre-disturbance, Site Access	▪ Install sediment controls downgradient of access point (on paved streets this may consist of inlet protection). ▪ Establish vehicle tracking control at entrances to paved streets. Fence as needed. ▪ Use construction fencing to define the boundaries of the project and limit access to areas of the site that are not to be disturbed. **Note: it may be necessary to protect inlets in the general vicinity of the site, even if not downgradient, if there is a possibility that sediment tracked from the site could contribute to the inlets.**
Site Clearing and Grubbing	▪ Install perimeter controls as needed on downgradient perimeter of site (silt fence, wattles, etc). ▪ Limit disturbance to those areas planned for disturbance and protect undisturbed areas within the site (construction fence, flagging, etc). ▪ Preserve vegetative buffer at site perimeter. ▪ Create stabilized staging area. ▪ Locate portable toilets on flat surfaces away from drainage paths. Stake in areas susceptible to high winds. ▪ Construct concrete washout area and provide signage. ▪ Establish waste disposal areas. ▪ Install sediment basins. ▪ Create dirt perimeter berms and/or brush barriers during grubbing and clearing. ▪ Separate and stockpile topsoil, leave roughened and/or cover. ▪ Protect stockpiles with perimeter control BMPs. Stockpiles should be located away from drainage paths and should be accessed from the upgradient side so that perimeter controls can remain in place on the downgradient side. Use erosion control blankets, temporary seeding, and/or mulch for stockpiles that will be inactive for an extended period. ▪ Leave disturbed area of site in a roughened condition to limit erosion. Consider temporary revegetation for areas of the site that have been disturbed but that will be inactive for an extended period. ▪ Water to minimize dust but not to the point that watering creates runoff.

Project Phase	BMPs
Utility And Infrastructure Installation	**In Addition to the Above BMPs:** ▪ Close trench as soon as possible (generally at the end of the day). ▪ Use rough-cut street control or apply road base for streets that will not be promptly paved. ▪ Provide inlet protection as streets are paved and inlets are constructed. ▪ Protect and repair BMPs, as necessary. ▪ Perform street sweeping as needed.
Building Construction	**In Addition to the Above BMPs:** ▪ Implement materials management and good housekeeping practices for home building activities. ▪ Use perimeter controls for temporary stockpiles from foundation excavations. ▪ For lots adjacent to streets, lot-line perimeter controls may be necessary at the back of curb.
Final Grading	**In Addition to the Above BMPs:** ▪ Remove excess or waste materials. ▪ Remove stored materials.
Final Stabilization	**In Addition to the Above BMPs:** ▪ Seed and mulch/tackify. ▪ Seed and install blankets on steep slopes. ▪ Remove all temporary BMPs when site has reached final stabilization.



CF–1. PLASTIC MESH CONSTRUCTION FENCE

CONSTRUCTION FENCE INSTALLATION NOTES

1. SEE PLAN VIEW FOR:
   –LOCATION OF CONSTRUCTION FENCE.

2. CONSTRUCTION FENCE SHOWN SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

3. CONSTRUCTION FENCE SHALL BE COMPOSED OF ORANGE, CONTRACTOR–GRADE MATERIAL THAT IS AT LEAST 4' HIGH. METAL POSTS SHOULD HAVE A PLASTIC CAP FOR SAFETY.

4. STUDDED STEEL TEE POSTS SHALL BE UTILIZED TO SUPPORT THE CONSTRUCTION FENCE. MAXIMUM SPACING FOR STEEL TEE POSTS SHALL BE 10'.

5. CONSTRUCTION FENCE SHALL BE SECURELY FASTENED TO THE TOP, MIDDLE, AND BOTTOM OF EACH POST.

CONSTRUCTION FENCE MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

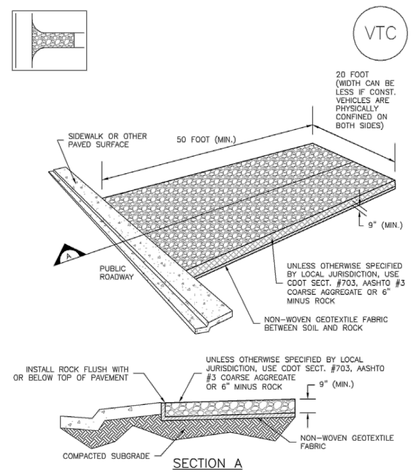
3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. CONSTRUCTION FENCE SHALL BE REPAIRED OR REPLACED WHEN THERE ARE SIGNS OF DAMAGE SUCH AS RIPS OR SAGS. CONSTRUCTION FENCE IS TO REMAIN IN PLACE UNTIL THE UPSTREAM DISTURBED AREA IS STABILIZED AND APPROVED BY THE LOCAL JURISDICTION.

5. WHEN CONSTRUCTION FENCES ARE REMOVED, ALL DISTURBED AREAS ASSOCIATED WITH THE INSTALLATION, MAINTENANCE, AND/OR REMOVAL OF THE FENCE SHALL BE COVERED WITH TOPSOIL, SEEDED AND MULCHED, OR OTHERWISE STABILIZED AS APPROVED BY LOCAL JURISDICTION.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAIL ADAPTED FROM TOWN OF PARKER, COLORADO, NOT AVAILABLE IN AUTOCAD)



SECTION A

VTC–1. AGGREGATE VEHICLE TRACKING CONTROL

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
1	1ST SUBMITTAL	11/01/2024	MM
2	2ND SUBMITTAL	01/17/2025	MM

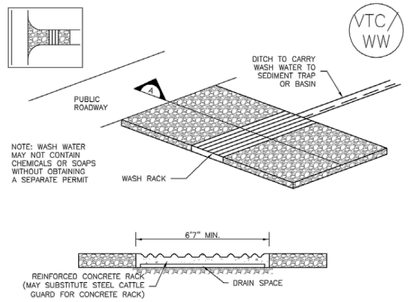
NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

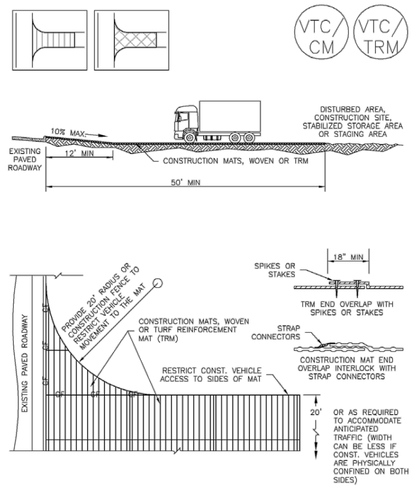
Know what's below. Call before you dig. 811

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VTC–2. AGGREGATE VEHICLE TRACKING CONTROL WITH WASH RACK



VTC–3. VEHICLE TRACKING CONTROL W/ CONSTRUCTION MAT OR TURF REINFORCEMENT MAT (TRM)

STABILIZED CONSTRUCTION ENTRANCE/EXIT INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF CONSTRUCTION ENTRANCE(S)/EXIT(S).
   –TYPE OF CONSTRUCTION ENTRANCE(S)/EXITS(S) (WITH/WITHOUT WHEEL WASH, CONSTRUCTION MAT OR TRM).

2. CONSTRUCTION MAT OR TRM STABILIZED CONSTRUCTION ENTRANCES ARE ONLY TO BE USED ON SHORT DURATION PROJECTS (TYPICALLY RANGING FROM A WEEK TO A MONTH) WHERE THERE WILL BE LIMITED VEHICULAR ACCESS.

3. A STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE LOCATED AT ALL ACCESS POINTS WHERE VEHICLES ACCESS THE CONSTRUCTION SITE FROM PAVED RIGHT–OF–WAYS.

4. STABILIZED CONSTRUCTION ENTRANCE/EXIT SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITIES.

5. A NON–WOVEN GEOTEXTILE FABRIC SHALL BE PLACED UNDER THE STABILIZED CONSTRUCTION ENTRANCE/EXIT PRIOR TO THE PLACEMENT OF ROCK.

6. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

STABILIZED CONSTRUCTION ENTRANCE/EXIT MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY TO THE STABILIZED ENTRANCE/EXIT TO MAINTAIN A CONSISTENT DEPTH.

5. SEDIMENT TRACKED ONTO PAVED ROADS IS TO BE REMOVED THROUGHOUT THE DAY AND AT THE END OF THE DAY BY SHOVELING OR SWEEPING. SEDIMENT MAY NOT BE WASHED DOWN STORM SEWER DRAINS.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

(DETAILS ADAPTED FROM CITY OF BROOMFIELD, COLORADO, NOT AVAILABLE IN AUTOCAD)

Description

A stabilized construction roadway is a temporary method to control sediment runoff, vehicle tracking, and dust from roads during construction activities.



Photograph SCR-1. Stabilized construction roadway.

Appropriate Uses

Use on high traffic construction roads to minimize dust and erosion.

Stabilized construction roadways are used instead of rough-cut street controls on roadways with frequent construction traffic.

Design and Installation

Stabilized construction roadways typically involve two key components: 1) stabilizing the road surface with an aggregate base course of 3-inch-diameter granular material and 2) stabilizing roadside ditches, if applicable. Early application of road base is generally suitable where a layer of coarse aggregate is specified for final road construction.

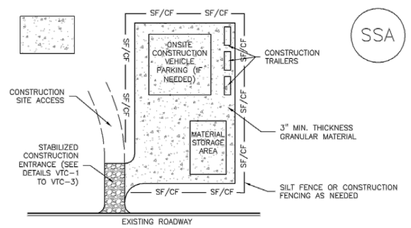
Maintenance and Removal

Apply additional gravel as necessary to ensure roadway integrity.

Inspect drainage ditches along the roadway for erosion and stabilize, as needed, through the use of check dams or rolled erosion control products.

Gravel may be removed once the road is ready to be paved. Prior to paving, the road should be inspected for grade changes and damage. Regrade and repair as necessary.

Stabilized Construction Roadway	
Functions	
Erosion Control	Yes
Sediment Control	Moderate
Site/Material Management	Yes



SSA–1. STABILIZED STAGING AREA

STABILIZED STAGING AREA INSTALLATION NOTES

1. SEE PLAN VIEW FOR
   –LOCATION OF STAGING AREA(S).
   –CONTRACTOR MAY ADJUST LOCATION AND SIZE OF STAGING AREA WITH APPROVAL FROM THE LOCAL JURISDICTION.

2. STABILIZED STAGING AREA SHOULD BE APPROPRIATE FOR THE NEEDS OF THE SITE. OVERSIZING RESULTS IN A LARGER AREA TO STABILIZE FOLLOWING CONSTRUCTION.

3. STAGING AREA SHALL BE STABILIZED PRIOR TO OTHER OPERATIONS ON THE SITE.

4. THE STABILIZED STAGING AREA SHALL CONSIST OF A MINIMUM 3" THICK GRANULAR MATERIAL.

5. UNLESS OTHERWISE SPECIFIED BY LOCAL JURISDICTION, ROCK SHALL CONSIST OF DOT SECT. #703, AASHTO #3 COARSE AGGREGATE OR 6" (MINUS) ROCK.

6. ADDITIONAL PERIMETER BMPs MAY BE REQUIRED INCLUDING BUT NOT LIMITED TO SILT FENCE AND CONSTRUCTION FENCING.

STABILIZED STAGING AREA MAINTENANCE NOTES

1. INSPECT BMPs EACH WORKDAY, AND MAINTAIN THEM IN EFFECTIVE OPERATING CONDITION. MAINTENANCE OF BMPs SHOULD BE PROACTIVE, NOT REACTIVE. INSPECT BMPs AS SOON AS POSSIBLE (AND ALWAYS WITHIN 24 HOURS) FOLLOWING A STORM THAT CAUSES SURFACE EROSION, AND PERFORM NECESSARY MAINTENANCE.

2. FREQUENT OBSERVATIONS AND MAINTENANCE ARE NECESSARY TO MAINTAIN BMPs IN EFFECTIVE OPERATING CONDITION. INSPECTIONS AND CORRECTIVE MEASURES SHOULD BE DOCUMENTED THOROUGHLY.

3. WHERE BMPs HAVE FAILED, REPAIR OR REPLACEMENT SHOULD BE INITIATED UPON DISCOVERY OF THE FAILURE.

4. ROCK SHALL BE REAPPLIED OR REGRADED AS NECESSARY IF RUTTING OCCURS OR UNDERLYING SUBGRADE BECOMES EXPOSED.

STABILIZED STAGING AREA MAINTENANCE NOTES

5. STABILIZED STAGING AREA SHALL BE ENLARGED IF NECESSARY TO CONTAIN PARKING, STORAGE, AND UNLOADING/LOADING OPERATIONS.

6. THE STABILIZED STAGING AREA SHALL BE REMOVED AT THE END OF CONSTRUCTION. THE GRANULAR MATERIAL SHALL BE REMOVED OR, IF APPROVED BY THE LOCAL JURISDICTION, USED ON SITE, AND THE AREA COVERED WITH TOPSOIL, SEEDED AND MULCHED OR OTHERWISE STABILIZED IN A MANNER APPROVED BY LOCAL JURISDICTION.

NOTE: MANY MUNICIPALITIES PROHIBIT THE USE OF RECYCLED CONCRETE AS GRANULAR MATERIAL FOR STABILIZED STAGING AREAS DUE TO DIFFICULTIES WITH RE–ESTABLISHMENT OF VEGETATION IN AREAS WHERE RECYCLED CONCRETE WAS PLACED.

NOTE: MANY JURISDICTIONS HAVE BMP DETAILS THAT VARY FROM UDFCD STANDARD DETAILS. CONSULT WITH LOCAL JURISDICTIONS AS TO WHICH DETAIL SHOULD BE USED WHEN DIFFERENCES ARE NOTED.

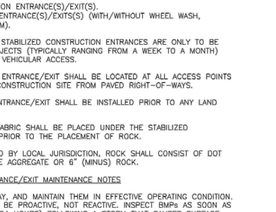
(DETAILS ADAPTED FROM DOUGLAS COUNTY, COLORADO, NOT AVAILABLE IN AUTOCAD)

Description

Street sweeping and vacuuming remove sediment that has been tracked onto roadways to reduce sediment transport into storm drain systems or a surface waterway.

Appropriate Uses

Use this practice at construction sites where vehicles may track sediment offsite onto paved roadways.



Photograph SS-1. A street sweeper removes sediment and potential pollutants along the curb line at a construction site. Photo courtesy of Tom Gore.

Design and Installation

Street sweeping or vacuuming should be conducted when there is noticeable sediment accumulation on roadways adjacent to the construction site. Typically, this will be concentrated at the entrance/exit to the construction site. Well-maintained stabilized construction entrances, vehicle tracking controls and tire wash facilities can help reduce the necessary frequency of street sweeping and vacuuming.

On smaller construction sites, street sweeping can be conducted manually using a shovel and broom. Never wash accumulated sediment on roadways into storm drains.

Maintenance and Removal

- Inspect paved roads around the perimeter of the construction site on a daily basis and more frequently, as needed. Remove accumulated sediment, as needed.
- Following street sweeping, check inlet protection that may have been displaced during street sweeping.
- Inspect area to be swept for materials that may be hazardous prior to beginning sweeping operations.

Street Sweeping/ Vacuuming	
Functions	
Erosion Control	No
Sediment Control	Yes
Site/Material Management	Yes

Description

Manage runoff from paving and grinding operations to reduce pollutants entering storm drainage systems and natural drainageways.

Appropriate Uses

Use runoff management practices during all paving and grinding operations such as surfacing, resurfacing, and saw cutting.

Photograph PGO-1. Paving operations on a Colorado highway. Photo courtesy of CDOT.

Design and Installation

There are a variety of management strategies that can be used to manage runoff from paving and grinding operations:

- Establish inlet protection for all inlets that could potentially receive runoff.
- Schedule paving operations when dry weather is forecasted.
- Keep spill kits onsite for equipment spills and keep drip pans onsite for stored equipment.
- Install perimeter controls when asphalt material is used on embankments or shoulders near waterways, drainages, or inlets.
- Do not wash any paved surface into receiving storm drain inlets or natural drainageways. Instead, loose material should be swept or vacuumed following paving and grinding operations.
- Store materials away from drainages or waterways.
- Recycle asphalt and pavement material when feasible. Material that cannot be recycled must be disposed of in accordance with applicable regulations.

See BMP Fact Sheets for Inlet Protection, Silt Fence and other perimeter controls selected for use during paving and grinding operations.

Maintenance and Removal

Perform maintenance and removal of inlet protection and perimeter controls in accordance with their respective fact sheets.

Promptly respond to spills in accordance with the spill prevention and control plan.

Paving and Grinding Operations	
Functions	
Erosion Control	No
Sediment Control	No
Site/Material Management	Yes

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

#	REVISION DESCRIPTION	DATE	BY
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2	2ND SUBMITTAL	01/17/2025	MM

NOT FOR CONSTRUCTION

MAIN STREET OFF-STREET PARKING LOT
TOWN OF ELIZABETH, COLORADO
CONSTRUCTION DOCUMENTS
DETAILS

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

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FINAL DRAINAGE REPORT

FOR

Main Street Depot Parking Lot
Town of Elizabeth, Colorado

Prepared for:

Town of Elizabeth
151 S Banner St, P.O. Box 159
Elizabeth, Colorado 80107
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Email: zhiggins@townofelizabeth.org

Prepared by:

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January 2025

Table of Contents

I. GENERAL LOCATION AND DESCRIPTION 4

A. SITE LOCATION 4
B. DESCRIPTION OF PROPERTY 4

II. DRAINAGE BASINS AND SUB-BASINS 4

A. MAJOR DRAINAGE BASINS 4
B. MINOR DRAINAGE BASINS 5

III. DRAINAGE DESIGN CRITERIA 5

A. REGULATIONS 5
B. DEVELOPMENT CRITERIA REFERENCE AND CONSTRAINTS 6
C. HYDROLOGIC CRITERIA 6
D. HYDRAULIC CRITERIA 6
E. STORMWATER QUALITY CRITERIA 6

IV. DRAINAGE FACILITY DESIGN 7

A. GENERAL CONCEPT 7
B. SPECIFIC DETAILS 7
C. VARIANCES 7

V. CONCLUSIONS 8

A. COMPLIANCE WITH STANDARDS 8
B. DISCUSSION OF FINAL DRAINAGE CONCEPT 8

VI. REFERENCES 10

Appendices

Appendix A - General Maps
- Vicinity Map
- Soil Map
- Firm Map
- NOAA Atlas 14 Results

Appendix B - Hydrologic Calculations
- Percent Imperviousness
- Runoff Coefficient
- Time of Concentration
- Minor Storm Rational Method
- Major Storm rational Method

Appendix C - Hydraulic Calculations
- Inlet Calculations
- StormCAD Keymap
- StormCAD Output Tables

Appendix D - Extended Detention Basin/Water Quality Enhancement BMP's
- Pond F Outlet Structures Design Spreadsheets v4.06
- Stormwater Control Measure Design Spreadsheet v4.00

Appendix E - Drainage Maps
- Proposed Drainage Map

I. GENERAL LOCATION AND DESCRIPTION

A. Site Location

This Final Drainage Report provides remediation for changes in the drainage patterns resulting from the construction of the infrastructure components for the development of the Main Street Depot Parking Lot, from here on known as "Site". The Site includes a parking lot, sidewalks, a public restroom, existing commercial development, and an Extended Detention Basin (EDB). The restroom will have the ability to be expanded in the future.

The Site is bound to the west by Main Street, to the north by the Alpaca Center and existing apartments, to the south by the lot to the south of Spruce Street, and to the east by Elizabeth Park. It is located within Section 18, Township 8 South, Range 64 West of the 6th Principal Meridian, Elbert County, Colorado. A vicinity map for the Site can be found in Appendix A.

B. Description of Property

The Site is approximately 3 acres consisting of gravel trails, storage buildings, and open space with varying levels of vegetation. The project will include the creation of a parking lot, sidewalks, a public restroom, and an EDB. The Site is primarily Nunn clay loam and Bresser sandy loam land. These soil types are a part of the Type C and B hydrologic soil groups, respectively. A soils map has been provided and can be found in Appendix A.

The Site currently flows to Running Creek on the east side of the Site. The tributary flows south to north and eventually drains to Box Elder Creek, which eventually drains into the South Platte River. To the east of the Site, there are two existing culverts that convey the flows under the existing trail, and ultimately to Running Creek. These culverts will not be impacted by this development.

The Site falls within Zone X, as shown on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) panel 08039C0480C. A FIRMette map can be found in Appendix A. There are no wetlands within or adjacent to the Site.

II. DRAINAGE BASINS AND SUB-BASINS

A. Major Drainage Basins

The existing drainage patterns within the major basin will generally follow the historic patterns. The development lies within the South Platte River Major Basin. Running Creek extends from the Southern boundary of Elbert County to the south through Spring Valley Golf Course to the north of the Site, where the flows will enter Box Elder Creek. Once the flows reach Box Elder Creek, it will be conveyed north and eventually flow into the South Platte River.

The redevelopment of the site will have minor impacts on the existing drainage as the runoff will be captured by an EDB and released below historic rates. This proposed EDB will be owned and maintained by the Town of Elizabeth.

B. Minor Drainage Basins

Minor Drainage Basins for the Site have been delineated using the existing and proposed site plan and grading for the development. Overall, the proposed drainage patterns for the sub-basins will generally follow the historic patterns prior to development. The developed minor basins will include overland flow and storm sewer collection systems which will direct stormwater to the proposed EDB. The EDB will release runoff below historic rates into Running Creek. Minor basins have been established for the Site, and are described below:

Sub-Basin F

Sub-basin F is 0.80 acres comprised of sidewalks, an existing gravel trail, and a proposed EDB. Runoff generated within the basin will sheet flow into the pond and drain to the east to the pond's outlet structure at Design Point F. Pond F's outlet structure will convey flows to the east into Running Creek.

The pond has been designed to store 0.371 acre-feet with a maximum depth of 4.04 feet for a 100-year storm. The 100-year storm predeveloped peak flow is 3.8 cfs and the pond outlet structure has been sized to release at 3.3 cfs. The MHFD detention basin design workbook (MHFD-Detention, Version 4.06, July 2022) was used to design EDB Pond F, and the output files for EDB Pond F have been included in Appendix D.

Sub-Basin F1

Sub-basin F1 is 1.80 acres comprised of sidewalks, a parking lot, and existing commercial development. Runoff generated within the basin will drain east to an on-grade Type R Inlet at Design Point F1. The captured runoff will be conveyed north via the proposed subsurface system to Design Point F2, and it will ultimately be discharged into proposed EDB Pond F. If the inlet were to get clogged, runoff would bypass the inlet and be received by a sump Type R Inlet at Design Point F2.

Sub-Basin F2

Sub-basin F2 is 0.68 acres comprised of sidewalks, a parking lot, and existing commercial development. Runoff generated within the basin will drain east to a sump Type R Inlet at Design Point F2. The captured runoff will be conveyed east via the proposed subsurface system to proposed EDB pond F. If the inlet were to get clogged, runoff would overtop the curb and sheet flow to proposed EDB pond F.

Sub-Basin OS1

Sub-basin OS1 is 0.21 acres comprised of open space and a portion of proposed sidewalk. Runoff generated within the basin will sheet flow east to Running Creek. To account for this direct runoff, EDB Pond F was sized to receive the runoff from this basin.

III. DRAINAGE DESIGN CRITERIA

A. Regulations

This Final Drainage Report is in accordance with the Town of Elizabeth Storm Drainage Design and Technical Criteria (Ref. D), and the Mile High Flood District (MHFD) Storm Drainage Criteria Manual (Ref. A, B, C). These manuals were used as a basis of design for the Site. All applicable figures, tables, and graphs from these manuals have been included in the Appendices. The report will analyze the minor (5-year) and major (100-year) storm events.

The design of the EDB is compliant with the Colorado Revised Statute 37-92-602 (8) pertaining to stormwater and detention facilities. In addition, per the new statute, the maximum micropool volume will be no greater than 1% of the 100-year volume including water quality.

The drainage design of The Project adheres to the requirements of Section 404 of the Clean Water Act, Section 106 of the National Historic Preservation Act of 1966 and the Endangered Species Act. Additionally, the drainage design conforms to all applicable local, state, and federal requirements for drainage design and stormwater discharge.

B. Development Criteria Reference and Constraints

There are no previous drainage studies associated with the Site. This report has been written as a standalone report.

C. Hydrologic Criteria

All the proposed minor drainage basins within The Project are less than 160 acres; therefore, the rational method can be used to determine the flow rates for the Site. The sub-basins were delineated based on the existing and proposed topography developed for the project. Impervious calculations were based on the values from the Mile High Flood District's Street Drainage Criteria Manual Volume 3 (revised March 2024). Flow rates for each basin can be found in Appendix B.

The intensity-frequency curves used in the rational method calculations were taken from the NOAA Atlas 14, which can be found in Appendix A. All drainage facilities were analyzed and designed for both the minor (5-year) and major (100-year) storm events. Time of concentration calculations were used to determine the rainfall intensity. These calculations can also be found in Appendix B.

D. Hydraulic Criteria

Street and inlet capacity design were performed and based on design spreadsheets provided by the MHFD which can be found in Appendix C.

Hydraulic grade lines and storm pipe capacities were designed and modeled using StormCAD. StormCAD uses the routed hydrograph method and the Manning's equation to compute the hydraulic grade line throughout a pipe network. See Appendix C for the StormCAD Output Tables and keymap.

Hydraulic calculations for EDB sizing and outlet structure design were based on MHFD design spreadsheets and can be found in Appendix D.

E. Stormwater Quality Criteria

Water quality measures have been included with the design of a concrete sediment pad and a proposed EDB, and these calculations can be found in Appendix D. The pond was designed as an EDB which includes a structure that releases flows for the water quality capture volume (WQCV), Excess Urban Runoff Volume (EURV), and the 100-year storm event.

IV. DRAINAGE FACILITY DESIGN

A. General Concept

Low Impact Development (LID) practices and strategies have been applied to the comprehensive land planning and engineering design approach to managing stormwater runoff. The primary objective of the Project is the preservation of the natural features of the property by arranging the development to minimize site grading, impacts to existing vegetation and wetlands, as well as providing large open space areas. The drainage design will generally maintain the historic drainage patterns and release rates for the Site. The EDB on Site has been located to minimize subsurface systems and control the developed discharge prior to entering the established waterways thus reducing the impact on Running Creek. Furthermore, the EDB was located next to an existing maintenance access, which will be used for maintenance of the pond. The EDB will discharge less than historical rates via a pipe from the outlet structure to Running Creek.

B. Specific Details

The Site will utilize a proposed EDB for water quality and detention storage. The EDB was located next to an existing maintenance access, which will be used for maintenance of the pond. The pond was designed as an EDB, which will release flows for water quality capture volume (WQCV), excess urban runoff volume (EURV), and the 100-year storm event. The pond's outlet structure will release flows below historic rates per the criteria. The EDB was calculated using the MHFD detention basin design workbook (MHFD-Detention, Version 4.06, July 2022). A copy of the output file for the ponds has been included in Appendix D.

The design of the EDB is compliant with the Colorado Revised Statute 37-92-602 (8) pertaining to stormwater and detention facilities. The applicable MHFD spreadsheet and calculations are in Appendix D. In addition, per the new statute, the maximum micropool volume will be no greater than 1% of the 100-year volume including water quality.

A concrete sediment pad was designed for the proposed EDB to help with water quality measures. A concrete sediment pad was used instead of a conventional forebay because this inflow point received less than 2 impervious acres, which is the new recommendation for forebays per MHFD's USDCM V.3 (Ref. D) section 5.2.2. A copy of the output file for the concrete sediment pad has been included in Appendix D.

There will be minimal impacts on downstream properties from the improvements within the Site because the runoff generated within the parking lot will be captured by proposed subsurface infrastructure before sheet flowing to the existing culverts. The outlet structure will release the pond's flows parallel to the existing culvert to the east of the pond, thereby not impacting the historic flow patterns of this area. The water quality of the flows released to Running Creek will improve because the runoff from the Site will be treated by the proposed EDB before being discharged into Running Creek instead of being conveyed directly to the creek via the existing culverts.

C. Variances

No variances associated with the proposed drainage design have been requested.

V. CONCLUSIONS

A. Compliance with Standards

The drainage design for the Site conforms to the Town of Elizabeth's Storm Drainage Design and Technical Criteria and the Mile High Flood Districts' Drainage Criteria Manual where applicable.

The design of the EDB is compliant with the Colorado Revised Statute 37-92-602 (8) pertaining to stormwater and detention facilities. In addition, per the new statute, the maximum micropool volume will be no greater than 1% of the 100-year volume including water quality.

The drainage design of The Project adheres to the requirements of Section 404 of the Clean Water Act, Section 106 of the National Historic Preservation Act of 1966 and the Endangered Species Act. Additionally, the drainage design conforms to all applicable local, state, and federal requirements for drainage design and stormwater discharge.

B. Discussion of Final Drainage Concept

The rational method was used to determine the developed runoff values for the minor drainage basins throughout the Site. These basins were delineated based on the natural Site topography and the developed Site plan. A proposed EDB and a concrete sediment pad will be used to improve the stormwater quality of the runoff leaving the Site. The proposed EDB was sized for a 100-year storm and will release below historic rates. The redevelopment of the site will have minor impacts on the existing drainage as the runoff will be captured by an EDB and released below historic rates. This report has been written as a standalone report.

Engineer's Statement:

This report for the final drainage design of the Main Street Depot Parking Lot, was prepared by me (or under my direct supervision) in accordance with the provisions of Town of Elizabeth Storm Drainage Design and Technical Criteria, and was designed to comply with the provisions thereof. I understand that the Town of Elizabeth does not and will not assume liability for drainage facilities designed by others.

_____

Martin Metsker, P.E.
Colorado Professional Engineer
License #41743

Owner/Developer's Statement:

The Town of Elizabeth hereby affirms that the drainage facilities for Main Street Depot Parking Lot shall be constructed according to the design presented in this report and plan. I understand that the Town of Elizabeth does not and will not assume liability for drainage facilities designed and/or certified by my engineer. I understand that the Town of Elizabeth reviews drainage reports and plans but cannot, on behalf of The Town of Elizabeth and/or their successors and/or assigns, absolve same of future liability for improper design.

_____

Town of Elizabeth Community Development Director

_____

Printed Name

VI. REFERENCES

A) MHFD (Mile High Flood District). 2018. Urban Storm Drainage Criteria Manual. Volume 1: Management, Hydrology and Hydraulics. Revised March 2024. https://mhfd.org/resources/criteria-manual.

B) MHFD. 2017. Urban Storm Drainage Criteria Manual. Volume 2: Structures, Storage and Recreation. Revised September 2017. https://mhfd.org/resources/criteria-manual.

C) MHFD. 2010. Urban Storm Drainage Criteria Manual. Volume 3: Stormwater Best Management Practices. Revised November 2010. https://mhfd.org/resources/criteria-manual.

D) Town of Elizabeth. Site Development Storm Drainage Design and Technical Criteria for the Town of Elizabeth, Colorado. Department of Public Works. https://www.townofelizabeth.org/media/4806

E) Computer Programs:

Street and Inlet Hydraulics Workbook by MHFD, V.5.03, August 2023

Detention Basin Design workbook by MHFD, V.4.06, July 2022

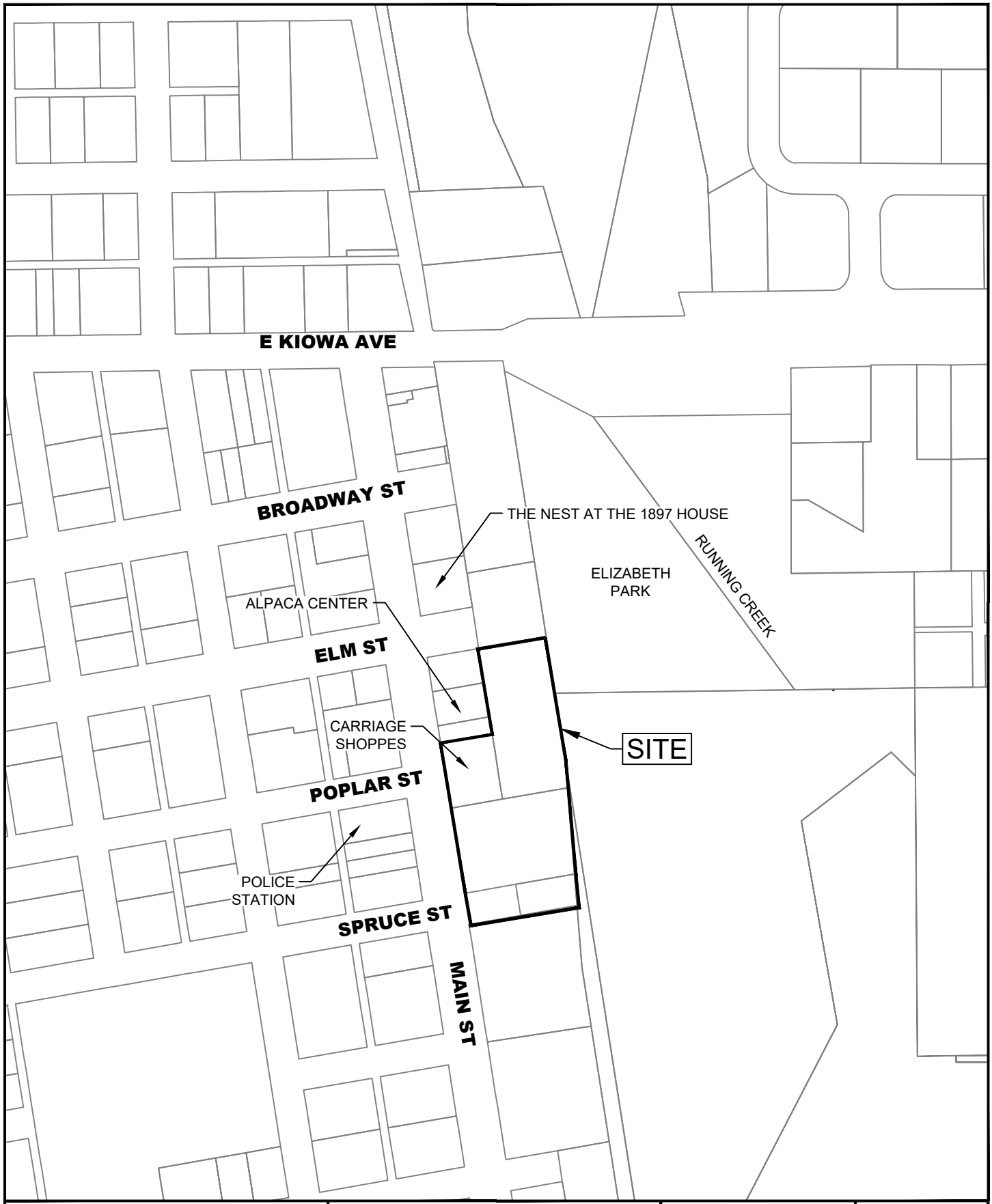
Stormwater Control Measures Design workbook by MHFD, V.400, April 2024

Open Flows StormCAD CONNECT Edition 4 by Bentley Systems. February 2023.

APPENDIX A

General Maps

Vicinity Map
Soil Map
Firm Map
NOAA Atlas 14 Results



terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

MAIN ST DEPOT PARKING VICINITY MAP

TOWN OF ELIZABETH DATE: 10/8/2024

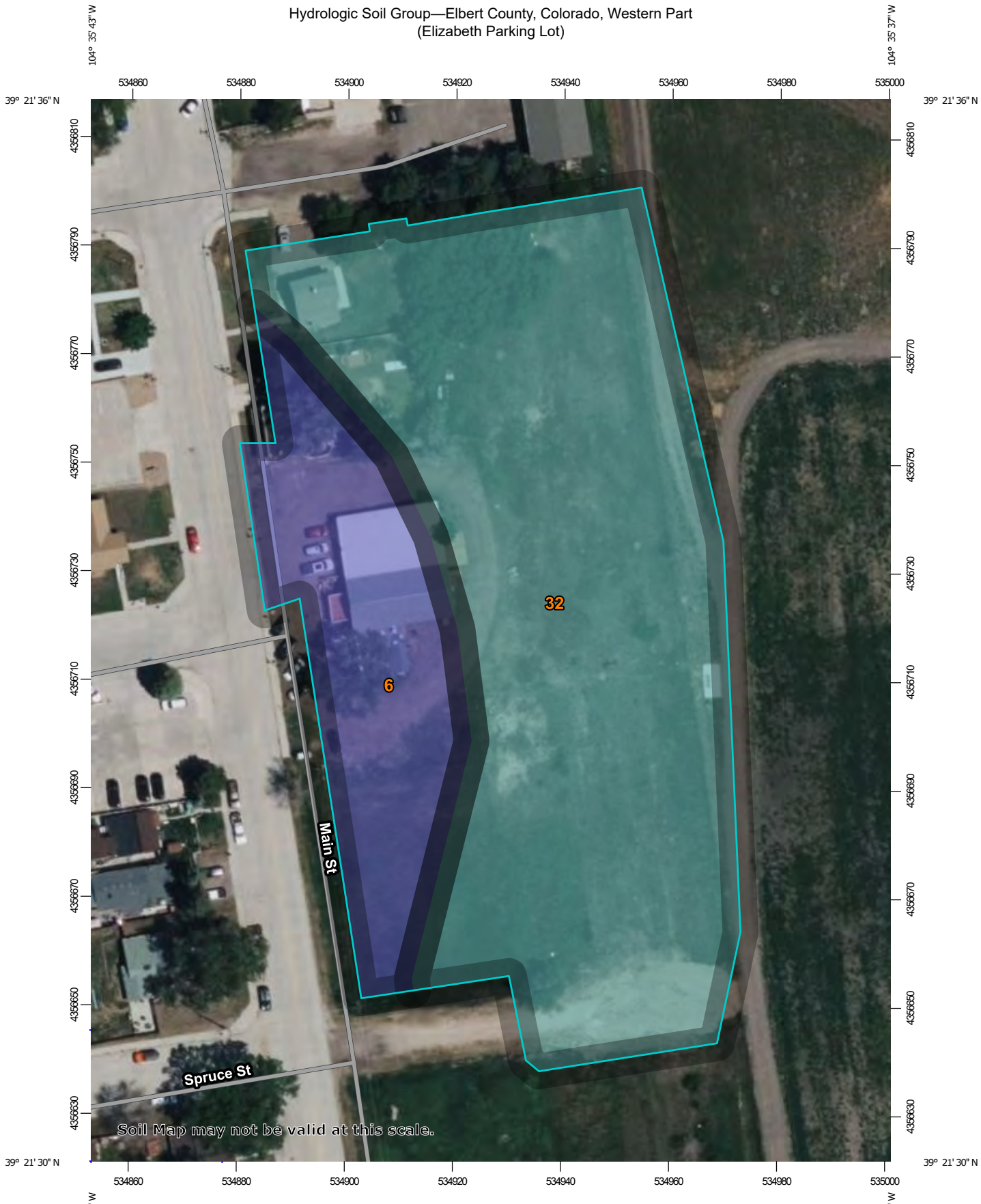
0 250'

1" = 250'

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10/16/2024 12:37 PM ; X:\TOWN OF ELIZABETH\DOCUMENTS\REPORTS\DRAINAGE\00 - MAIN ST PARKING LOT - RESEARCH\A1 - MAPS (VIC-FEMA-SOILS)\VICINITY MAP.DWG;

Hydrologic Soil Group—Elbert County, Colorado, Western Part
(Elizabeth Parking Lot)



Map Scale: 1:954 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 10 20 40 60

Feet: 0 45 90 180 270

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Rating Polygons

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Soil Rating Lines

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Soil Rating Points

A
A/D
B
B/D
C
C/D
D
Not rated or not available

Water Features

Streams and Canals

Transportation

Rails
Interstate Highways
US Routes
Major Roads
Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Elbert County, Colorado, Western Part
Survey Area Data: Version 19, Aug 24, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 9, 2021—Jun 12, 2021

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
6	Bresser sandy loam, cool, 5 to 9 percent slopes	B	0.7	23.9%
32	Nunn clay loam, 0 to 4 percent slopes	C	2.2	76.1%
Totals for Area of Interest			**2.9**	**100.0%**

Description

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The soils in the United States are assigned to four groups (A, B, C, and D) and three dual classes (A/D, B/D, and C/D). The groups are defined as follows:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas. Only the soils that in their natural condition are in group D are assigned to dual classes.

National Flood Hazard Layer FIRMette

FEMA

104°35'59"W 39°21'46"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

104°35'21"W 39°21'18"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/16/2024 at 2:43 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, comm FIRM panel number, and FIRM effective date unmapped and unmodernized areas cannot regulatory purposes.

NOAA Atlas 14, Volume 8, Version 2
Location name: Elizabeth, Colorado, USA*
Latitude: 39.3606°, Longitude: -104.5965°
Elevation: 6471 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Deborah Martin, Sandra Pavlovic, Ishani Roy, Michael St. Laurent, Carl Trypaluk, Dale Unruh, Michael Yekta, Geoffery Bonnin

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.231** (0.188-0.286)	**0.287** (0.233-0.355)	**0.382** (0.309-0.474)	**0.465** (0.374-0.580)	**0.586** (0.458-0.758)	**0.685** (0.521-0.892)	**0.788** (0.578-1.05)	**0.896** (0.630-1.22)	**1.05** (0.707-1.45)	**1.17** (0.765-1.63)
10-min	**0.338** (0.275-0.419)	**0.420** (0.341-0.520)	**0.559** (0.452-0.694)	**0.681** (0.548-0.849)	**0.859** (0.670-1.11)	**1.00** (0.762-1.31)	**1.15** (0.846-1.53)	**1.31** (0.923-1.78)	**1.53** (1.04-2.12)	**1.71** (1.12-2.38)
15-min	**0.413** (0.335-0.511)	**0.512** (0.415-0.634)	**0.682** (0.552-0.847)	**0.831** (0.668-1.04)	**1.05** (0.817-1.35)	**1.22** (0.930-1.59)	**1.41** (1.03-1.87)	**1.60** (1.12-2.17)	**1.87** (1.26-2.59)	**2.08** (1.37-2.91)
30-min	**0.561** (0.456-0.695)	**0.696** (0.565-0.863)	**0.927** (0.750-1.15)	**1.13** (0.908-1.41)	**1.42** (1.11-1.84)	**1.66** (1.26-2.16)	**1.91** (1.40-2.53)	**2.17** (1.52-2.94)	**2.53** (1.71-3.50)	**2.82** (1.85-3.93)
60-min	**0.703** (0.571-0.871)	**0.864** (0.701-1.07)	**1.15** (0.927-1.42)	**1.40** (1.12-1.74)	**1.77** (1.38-2.29)	**2.07** (1.58-2.71)	**2.40** (1.76-3.19)	**2.74** (1.93-3.73)	**3.23** (2.18-4.48)	**3.62** (2.37-5.05)
2-hr	**0.844** (0.690-1.04)	**1.03** (0.843-1.27)	**1.36** (1.11-1.68)	**1.67** (1.35-2.06)	**2.12** (1.67-2.73)	**2.49** (1.91-3.24)	**2.89** (2.14-3.83)	**3.32** (2.36-4.49)	**3.93** (2.68-5.43)	**4.42** (2.92-6.13)
3-hr	**0.931** (0.763-1.14)	**1.13** (0.924-1.38)	**1.49** (1.21-1.82)	**1.81** (1.47-2.23)	**2.31** (1.83-2.98)	**2.73** (2.10-3.54)	**3.18** (2.37-4.20)	**3.67** (2.62-4.95)	**4.37** (2.99-6.02)	**4.93** (3.28-6.82)
6-hr	**1.11** (0.912-1.34)	**1.33** (1.09-1.62)	**1.73** (1.42-2.11)	**2.11** (1.72-2.58)	**2.68** (2.14-3.44)	**3.17** (2.46-4.08)	**3.70** (2.77-4.86)	**4.28** (3.07-5.73)	**5.10** (3.52-6.98)	**5.77** (3.86-7.93)
12-hr	**1.33** (1.10-1.60)	**1.59** (1.32-1.92)	**2.06** (1.70-2.48)	**2.48** (2.04-3.01)	**3.12** (2.51-3.96)	**3.67** (2.86-4.68)	**4.25** (3.20-5.53)	**4.88** (3.53-6.49)	**5.78** (4.02-7.85)	**6.51** (4.39-8.88)
24-hr	**1.59** (1.33-1.91)	**1.89** (1.58-2.27)	**2.42** (2.01-2.90)	**2.89** (2.39-3.48)	**3.59** (2.89-4.50)	**4.17** (3.27-5.27)	**4.79** (3.63-6.17)	**5.45** (3.96-7.18)	**6.38** (4.46-8.59)	**7.12** (4.84-9.66)
2-day	**1.88** (1.57-2.23)	**2.22** (1.86-2.63)	**2.80** (2.34-3.34)	**3.32** (2.75-3.97)	**4.07** (3.29-5.04)	**4.68** (3.69-5.86)	**5.32** (4.06-6.79)	**6.00** (4.39-7.84)	**6.95** (4.89-9.28)	**7.70** (5.27-10.4)
3-day	**2.04** (1.72-2.41)	**2.42** (2.03-2.86)	**3.05** (2.56-3.62)	**3.61** (3.01-4.30)	**4.41** (3.57-5.43)	**5.06** (3.99-6.28)	**5.73** (4.38-7.27)	**6.43** (4.72-8.35)	**7.41** (5.23-9.84)	**8.18** (5.62-11.0)
4-day	**2.17** (1.83-2.56)	**2.57** (2.17-3.03)	**3.24** (2.72-3.84)	**3.83** (3.20-4.54)	**4.66** (3.78-5.72)	**5.34** (4.23-6.61)	**6.04** (4.62-7.63)	**6.77** (4.98-8.75)	**7.77** (5.51-10.3)	**8.56** (5.90-11.5)
7-day	**2.52** (2.14-2.96)	**2.95** (2.50-3.46)	**3.67** (3.10-4.31)	**4.29** (3.60-5.06)	**5.19** (4.23-6.33)	**5.92** (4.71-7.28)	**6.66** (5.14-8.38)	**7.45** (5.52-9.59)	**8.54** (6.09-11.2)	**9.39** (6.52-12.5)
10-day	**2.84** (2.41-3.31)	**3.28** (2.78-3.83)	**4.04** (3.41-4.72)	**4.69** (3.95-5.51)	**5.63** (4.61-6.83)	**6.39** (5.11-7.84)	**7.18** (5.55-8.99)	**8.01** (5.95-10.3)	**9.15** (6.55-12.0)	**10.0** (7.00-13.3)
20-day	**3.73** (3.19-4.32)	**4.26** (3.64-4.94)	**5.15** (4.39-5.98)	**5.92** (5.01-6.89)	**7.00** (5.75-8.40)	**7.86** (6.31-9.54)	**8.74** (6.80-10.8)	**9.65** (7.22-12.3)	**10.9** (7.86-14.2)	**11.9** (8.34-15.6)
30-day	**4.50** (3.86-5.18)	**5.13** (4.40-5.92)	**6.18** (5.28-7.14)	**7.05** (5.99-8.18)	**8.26** (6.80-9.85)	**9.21** (7.42-11.1)	**10.2** (7.93-12.5)	**11.1** (8.35-14.1)	**12.4** (8.99-16.1)	**13.4** (9.48-17.6)
45-day	**5.50** (4.73-6.31)	**6.29** (5.41-7.22)	**7.56** (6.48-8.70)	**8.60** (7.33-9.93)	**10.0** (8.24-11.8)	**11.1** (8.93-13.2)	**12.1** (9.46-14.8)	**13.1** (9.88-16.5)	**14.5** (10.5-18.6)	**15.5** (11.0-20.2)
60-day	**6.37** (5.50-7.28)	**7.31** (6.30-8.37)	**8.80** (7.56-10.1)	**10.0** (8.54-11.5)	**11.6** (9.54-13.6)	**12.7** (10.3-15.1)	**13.8** (10.8-16.8)	**14.9** (11.2-18.6)	**16.3** (11.8-20.8)	**17.2** (12.3-22.5)

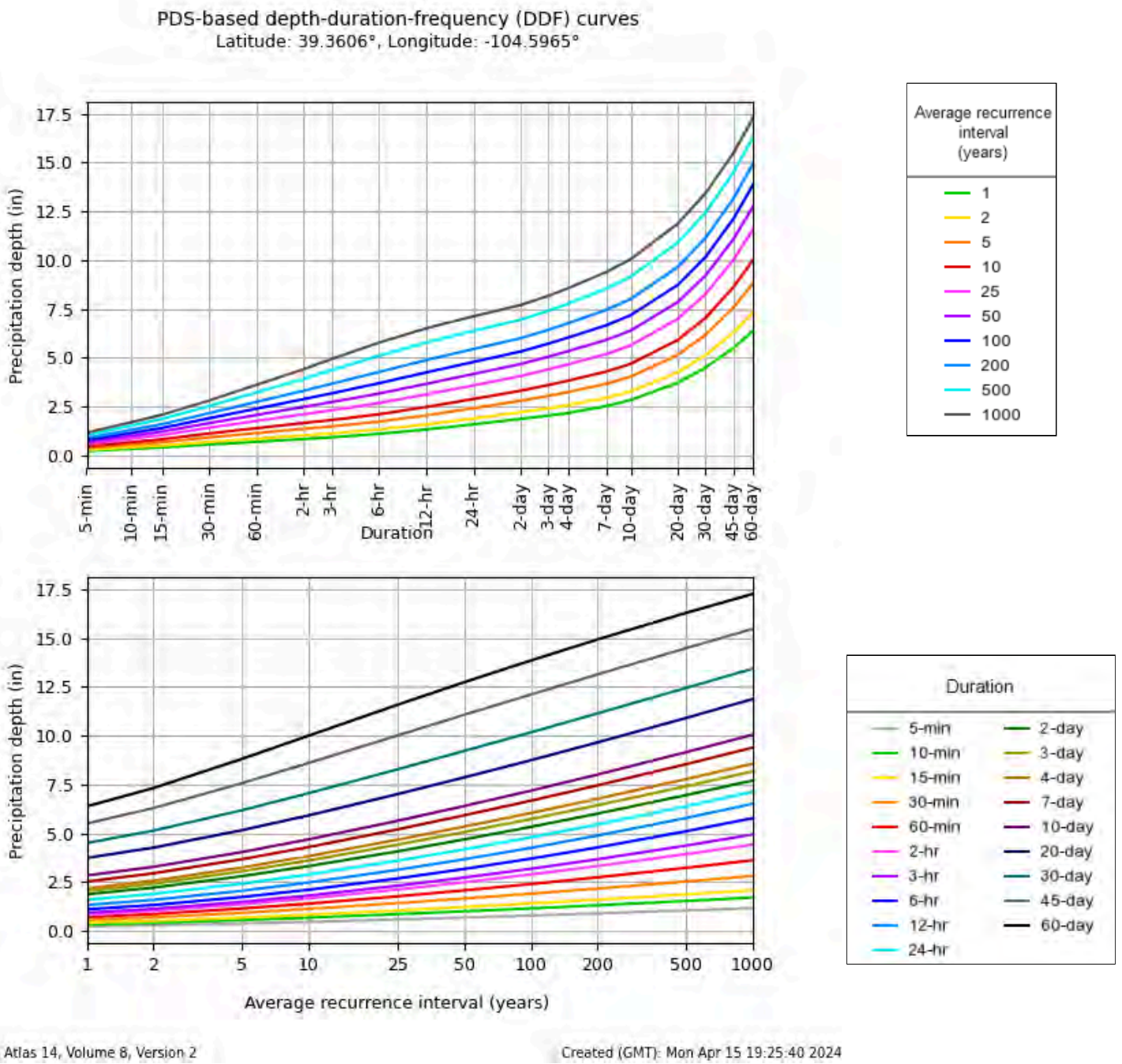
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

Back to Top

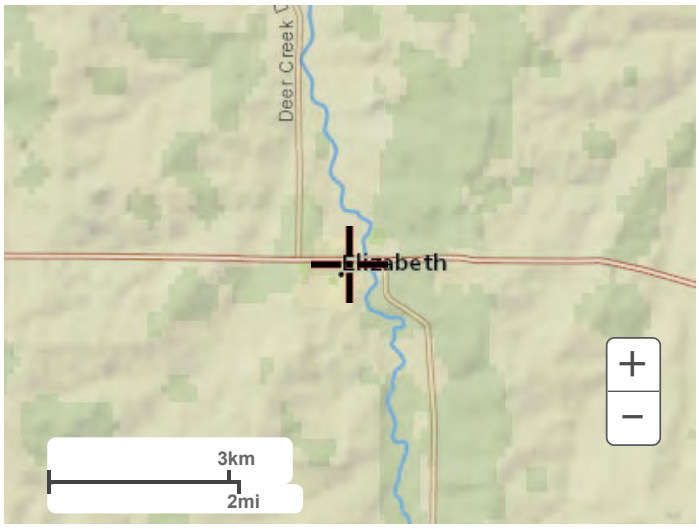
PF graphical



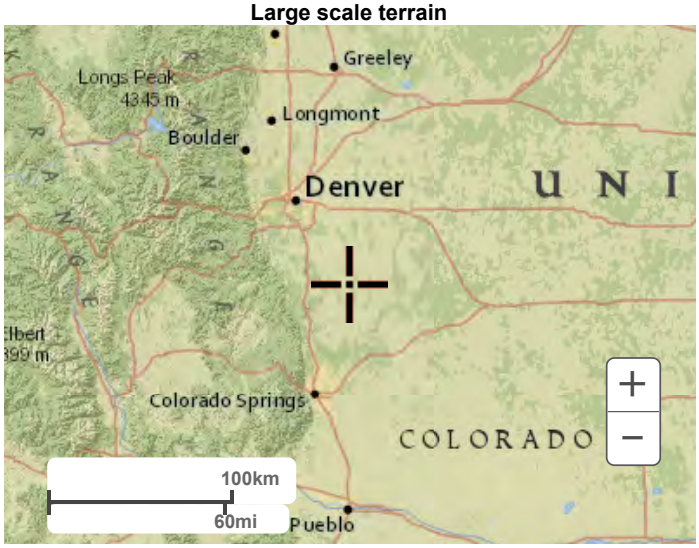
Back to Top

Maps & aerials

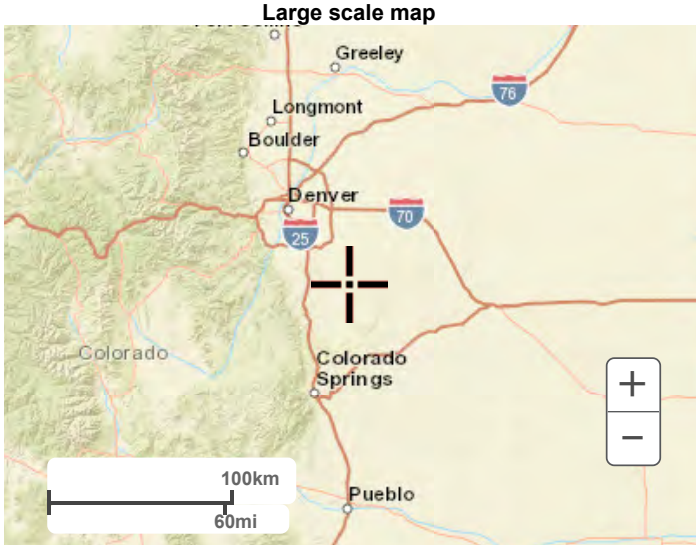
Small scale terrain



Large scale terrain



Large scale map



Large scale aerial

APPENDIX B
HYDROLOGIC COMPUTATIONS

Percent Imperviousness
Runoff Coefficient
Time of Concentration
Minor Storm Rational Method
Major Storm Rational Method

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph. 303.632.8867

Project Name: Elizabeth Main St Parking Lot
Prepared By: JNS

Percent Impervious Calculations

Basin Id	Design Point	Basin Area (Ac)	Historic Area	Paved Street, Roof, Drives,	Commercial Area	Gravel Area	EDB Area						Weighted % Impervious
			5%	95%	65%	40%	25%						
F1	F1	1.80	0.15	0.91	0.74								75.3%
F2	F2	0.68	0.04	0.33	0.31								76.4%
F	F	0.80	0.47	0.02		0.10	0.21						16.7%
OS1	OS1	0.21	0.20	0.01									8.9%
Pond F	Pond F	3.48	0.85	1.27	1.05	0.10	0.21						58.2%

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ph. 303.632.8867

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Prepared By: JNS

Runoff Coefficent (C)

Runoff Coefficient calculations based on MHFD Volume 1: Chapter 6, Table 6-4 equations

Basin Id	Weighted % Impervious	i	Soil Type	Soil Type Area	Basin Area (Ac)	Runoff Coefficients, C							Weighted Coefficients, C						
						5-Year	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year	5-Year	2-Year	5-Year	10-Year	25-Year	50-Year	100-Year
F1	75.3%	0.75	A	0.00	1.80	0.60	0.58	0.60	0.62	0.64	0.67	0.70	0.65	0.61	0.65	0.68	0.74	0.76	0.79
			B	0.07		0.63	0.60	0.63	0.66	0.72	0.75	0.78							
			C/D	1.73		0.65	0.61	0.65	0.69	0.74	0.77	0.79							
F2	76.4%	0.76	A	0.00	0.68	0.61	0.59	0.61	0.63	0.65	0.68	0.70	0.65	0.61	0.65	0.68	0.74	0.76	0.79
			B	0.35		0.64	0.61	0.64	0.67	0.73	0.75	0.78							
			C/D	0.32		0.66	0.62	0.66	0.69	0.75	0.77	0.80							
F	16.7%	0.17	A	0.00	0.80	0.09	0.08	0.09	0.10	0.12	0.17	0.24	0.15	0.11	0.15	0.23	0.39	0.46	0.54
			B	0.27		0.12	0.10	0.12	0.19	0.35	0.42	0.50							
			C/D	0.53		0.17	0.11	0.17	0.25	0.41	0.48	0.55							
OS1	8.9%	0.09	A	0.00	0.21	0.04	0.04	0.04	0.04	0.06	0.10	0.18	0.06	0.05	0.06	0.13	0.30	0.38	0.47
			B	0.21		0.06	0.05	0.06	0.13	0.30	0.38	0.47							
			C/D	0.00		0.11	0.06	0.11	0.20	0.37	0.44	0.52							

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Denver, CO 80231
ph. 303.632.8867

Project Name: Elizabeth Main St Parking Lot
Prepared By: JNS

Time of Concentration Calculations (T_C)

Sub-Basin Data			Initial or Overland Flow Time				Channelized Flow Time				T_c Check (Urbanized Basins)					
Basin Id	Basin Area (Ac)	C(5)	Length (ft)	Elev Change	Slope (%)	T_i (min)	Length (ft)	Elev Change	Slope (%)	NRCS Coeff. K	Velocity (FPS)	T_t (min)	Comp. T_c	Percent Imperv.	MHFD Eq. 6.5	$Final\ T_c$ (min)
F1	1.80	0.65	152	5	3.3	6.78	474	5	1.1	20.0	2.07	3.8	10.6	75.3%	17.1	10.6
F2	0.68	0.65	42	2	3.9	3.36	283	8	2.7	20.0	3.32	1.4	4.8	76.4%	14.5	5.0
F	0.80	0.15	223	10	4.5	15.47	103	1	1.3	20.0	2.25	0.8	16.2	16.7%	24.5	16.2
OS1	0.21	0.06	33	2	6.1	5.94	34	4	10.2	20.0	6.39	0.1	6.0	8.9%	24.7	6.0

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph. 303.632.8867

Project Name: Elizabeth Main St Parking Lot

Prepared By: JNS

Peak Runoff Rational Method (5-Year)

			Rainfall Depth-Duration-Frequency (1-hr) =				1.15
Design Point	**Basin ID**	**Basin Area (Ac)**	**Runoff Coeff (5-Year)**	**T_c (min)**	**C X A**	**I (in/hr)**	**Q (cfs)**
F1	F1	1.80	0.65	10.6	1.16	3.04	3.54
F2	F2	0.68	0.65	5.0	0.44	3.90	1.71
F	F	0.80	0.15	16.2	0.12	2.51	0.31
OS1	OS1	0.21	0.06	6.0	0.01	3.70	0.05

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph. 303.632.8867

Project Name: Elizabeth Main St Parking Lot

Prepared By: JNS

Peak Runoff Rational Method (100-Year)

			Rainfall Depth-Duration-Frequency (1-hr) =				2.40
Design Point	**Basin ID**	**Basin Area (Ac)**	**Runoff Coeff (100-Year)**	**T_c (min)**	**C X A**	**I (in/hr)**	**Q (cfs)**
F1	F1	1.80	0.79	10.6	1.42	6.34	9.02
F2	F2	0.68	0.79	5.0	0.53	8.14	4.34
F	F	0.80	0.54	16.2	0.43	5.25	2.24
OS1	OS1	0.21	0.47	6.0	0.10	7.73	0.74

APPENDIX C
HYDRAULIC CALCULATIONS

Inlet Management
Inlet Calculations

StormCAD Key Map
StormCAD Output Tables

MHFD-Inlet, Version 5.03 (August 2023)

INLET MANAGEMENT

Worksheet Protected

INLET NAME	Inlet F1	Inlet F2
Site Type (Urban or Rural)	URBAN	URBAN
Inlet Application (Street or Area)	STREET	STREET
Hydraulic Condition	On Grade	In Sump
Inlet Type	CDOT Type R Curb Opening	CDOT Type R Curb Opening

USER-DEFINED INPUT

User-Defined Design Flows

Minor Q_{Known} (cfs)	3.5	1.7
Major Q_{Known} (cfs)	9.0	4.3

Bypass (Carry-Over) Flow from Upstream — Inlets must be organized from upstream (left) to downstream (right) in order for byp

Receive Bypass Flow from:	No Bypass Flow Received	Inlet F1
Minor Bypass Flow Received, Q_b (cfs)	0.0	0.0
Major Bypass Flow Received, Q_b (cfs)	0.0	2.4

Watershed Characteristics

Subcatchment Area (acres)		
Percent Impervious		
NRCS Soil Type		

Watershed Profile

Overland Slope (ft/ft)		
Overland Length (ft)		
Channel Slope (ft/ft)		
Channel Length (ft)		

Minor Storm Rainfall Input

Design Storm Return Period, T_r (years)		
One-Hour Precipitation, P_1 (inches)		

Major Storm Rainfall Input

Design Storm Return Period, T_r (years)		
One-Hour Precipitation, P_1 (inches)		

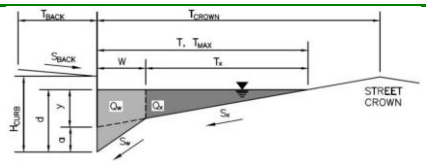
CALCULATED OUTPUT

Minor Total Design Peak Flow, Q (cfs)	3.5	1.7
Major Total Design Peak Flow, Q (cfs)	9.0	6.7
Minor Flow Bypassed Downstream, Q_b (cfs)	0.0	N/A
Major Flow Bypassed Downstream, Q_b (cfs)	2.4	N/A

ALLOWABLE CAPACITY FOR ONE-HALF OF STREET (Minor & Major Storm)

(Based on Regulated Criteria for Maximum Allowable Flow Depth and Spread)

Project: Main Street Parking Lot
Inlet ID: Inlet F1



Gutter Geometry:

Maximum Allowable Width for Spread Behind Curb	T_{BACK} =	0.0	ft
Side Slope Behind Curb (leave blank for no conveyance credit behind curb)	S_{BACK} =	0.050	ft/ft
Manning's Roughness Behind Curb (typically between 0.012 and 0.020)	n_{BACK} =	0.013	
Height of Curb at Gutter Flow Line	H_{CURB} =	6.00	inches
Distance from Curb Face to Street Crown	T_{CROWN} =	27.0	ft
Gutter Width	W =	2.00	ft
Street Transverse Slope	S_X =	0.030	ft/ft
Gutter Cross Slope (typically 2 inches over 24 inches or 0.083 ft/ft)	S_W =	0.083	ft/ft
Street Longitudinal Slope - Enter 0 for sump condition	S_O =	0.010	ft/ft
Manning's Roughness for Street Section (typically between 0.012 and 0.020)	n_{STREET} =	0.013	

		Minor Storm	Major Storm	
Max. Allowable Spread for Minor & Major Storm	T_{MAX} =	27.0	27.0	ft
Max. Allowable Depth at Gutter Flowline for Minor & Major Storm	d_{MAX} =	6.0	6.0	inches
Allow Flow Depth at Street Crown (check box for yes, leave blank for no)		☐	☐	

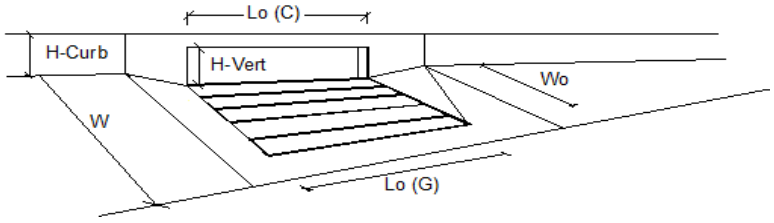
MINOR STORM Allowable Capacity is based on Depth Criterion
MAJOR STORM Allowable Capacity is based on Depth Criterion

		Minor Storm	Major Storm	
	Q_{allow} =	13.1	13.1	cfs

Minor storm max. allowable capacity GOOD - greater than the design peak flow of 3.54 cfs on sheet 'Inlet Management'
Major storm max. allowable capacity GOOD - greater than the design peak flow of 9.02 cfs on sheet 'Inlet Management'

INLET ON A CONTINUOUS GRADE

MHFD-Inlet, Version 5.03 (August 2023)



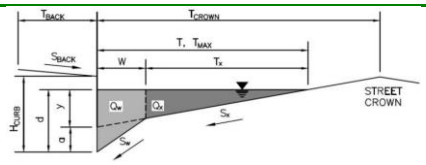
Design Information (Input)		MINOR	MAJOR	
Type of Inlet	Type =	CDOT Type R Curb Opening		
Local Depression (additional to continuous gutter depression 'a')	a_{LOCAL} =	3.0	3.0	inches
Total Number of Units in the Inlet (Grate or Curb Opening)	No =	2	2	
Length of a Single Unit Inlet (Grate or Curb Opening)	L_o =	5.00	5.00	ft
Width of a Unit Grate (cannot be greater than W, Gutter Width)	W_o =	N/A	N/A	ft
Clogging Factor for a Single Unit Grate (typical min. value = 0.5)	C_f (G) =	N/A	N/A	
Clogging Factor for a Single Unit Curb Opening (typical min. value = 0.1)	C_f (C) =	0.10	0.10	

Street Hydraulics: OK - Q < Allowable Street Capacity'		MINOR	MAJOR	
Total Inlet Interception Capacity	Q =	3.5	6.6	cfs
Total Inlet Carry-Over Flow (flow bypassing inlet)	Q_b =	0.0	2.4	cfs
Capture Percentage = Q_a/Q_o	C% =	100	74	%

ALLOWABLE CAPACITY FOR ONE-HALF OF STREET (Minor & Major Storm)

(Based on Regulated Criteria for Maximum Allowable Flow Depth and Spread)

Project: Main Street Parking Lot
Inlet ID: Inlet F2



Gutter Geometry:

Maximum Allowable Width for Spread Behind Curb	T_{BACK} =	0.0	ft
Side Slope Behind Curb (leave blank for no conveyance credit behind curb)	S_{BACK} =	0.050	ft/ft
Manning's Roughness Behind Curb (typically between 0.012 and 0.020)	n_{BACK} =	0.013	
Height of Curb at Gutter Flow Line	H_{CURB} =	6.00	inches
Distance from Curb Face to Street Crown	T_{CROWN} =	27.0	ft
Gutter Width	W =	2.00	ft
Street Transverse Slope	S_X =	0.030	ft/ft
Gutter Cross Slope (typically 2 inches over 24 inches or 0.083 ft/ft)	S_W =	0.083	ft/ft
Street Longitudinal Slope - Enter 0 for sump condition	S_O =	0.000	ft/ft
Manning's Roughness for Street Section (typically between 0.012 and 0.020)	n_{STREET} =	0.013	

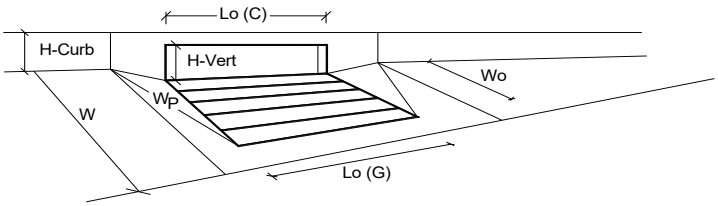
		Minor Storm	Major Storm	
Max. Allowable Spread for Minor & Major Storm	T_{MAX} =	27.0	27.0	ft
Max. Allowable Depth at Gutter Flowline for Minor & Major Storm	d_{MAX} =	6.0	6.0	inches
Check boxes are not applicable in SUMP conditions		☐	☐	

MINOR STORM Allowable Capacity is not applicable to Sump Condition
MAJOR STORM Allowable Capacity is not applicable to Sump Condition

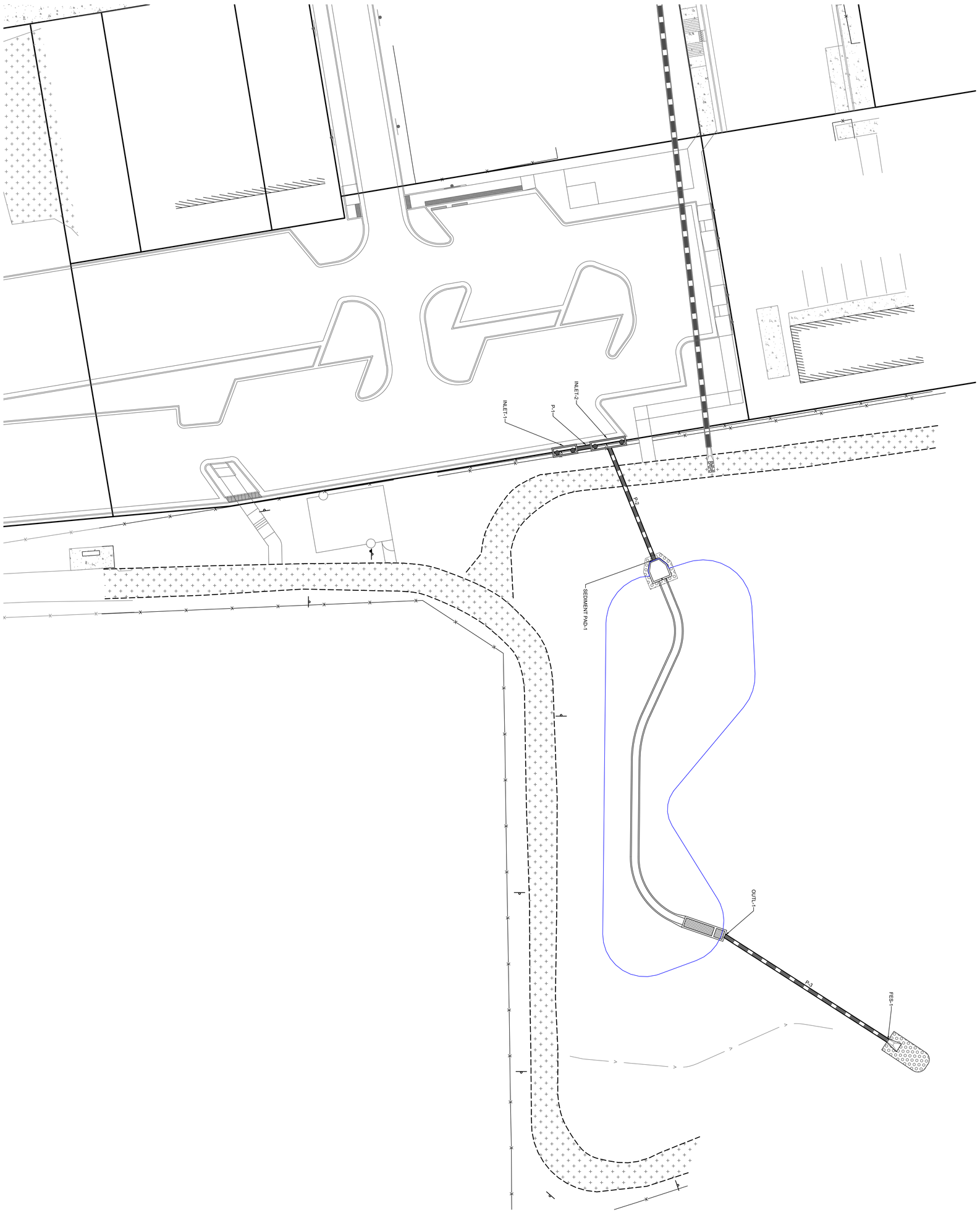
	Minor Storm	Major Storm	
Q_{allow} =	SUMP	SUMP	cfs

INLET IN A SUMP OR SAG LOCATION

MHFD-Inlet, Version 5.03 (August 2023)



Design Information (Input)		MINOR	MAJOR	
Type of Inlet	Type =	CDOT Type R Curb Opening		
Local Depression (additional to continuous gutter depression 'a' from above)	a_{local} =	3.00	3.00	inches
Number of Unit Inlets (Grate or Curb Opening)	No =	3	3	
Water Depth at Flowline (outside of local depression)	Ponding Depth =	6.0	6.0	inches
Grate Information		MINOR	MAJOR	☐ Override Depths
Length of a Unit Grate	L_o (G) =	N/A	N/A	feet
Width of a Unit Grate	W_o =	N/A	N/A	feet
Open Area Ratio for a Grate (typical values 0.15-0.90)	A_{ratio} =	N/A	N/A	
Clogging Factor for a Single Grate (typical value 0.50 - 0.70)	C_f (G) =	N/A	N/A	
Grate Weir Coefficient (typical value 2.15 - 3.60)	C_w (G) =	N/A	N/A	
Grate Orifice Coefficient (typical value 0.60 - 0.80)	C_o (G) =	N/A	N/A	
Curb Opening Information		MINOR	MAJOR	
Length of a Unit Curb Opening	L_o (C) =	5.00	5.00	feet
Height of Vertical Curb Opening in Inches	H_{vert} =	6.00	6.00	inches
Height of Curb Orifice Throat in Inches	H_{throat} =	6.00	6.00	inches
Angle of Throat	Theta =	63.40	63.40	degrees
Side Width for Depression Pan (typically the gutter width of 2 feet)	W_p =	2.00	2.00	feet
Clogging Factor for a Single Curb Opening (typical value 0.10)	C_f (C) =	0.10	0.10	
Curb Opening Weir Coefficient (typical value 2.3-3.7)	C_w (C) =	3.60	3.60	
Curb Opening Orifice Coefficient (typical value 0.60 - 0.70)	C_o (C) =	0.67	0.67	
Low Head Performance Reduction (Calculated)		MINOR	MAJOR	
Depth for Grate Midwidth	d_{Grate} =	N/A	N/A	ft
Depth for Curb Opening Weir Equation	d_{Curb} =	0.33	0.33	ft
Grated Inlet Performance Reduction Factor for Long Inlets	RF_{Grate} =	N/A	N/A	
Curb Opening Performance Reduction Factor for Long Inlets	RF_{Curb} =	0.79	0.79	
Combination Inlet Performance Reduction Factor for Long Inlets	$RF_{Combination}$ =	N/A	N/A	
		MINOR	MAJOR	
Total Inlet Interception Capacity (assumes clogged condition)	Q_a =	9.7	9.7	cfs
Inlet Capacity IS GOOD for Minor and Major Storms (>Q Peak)	$Q_{PEAK\ REQUIRED}$ =	1.7	6.7	cfs



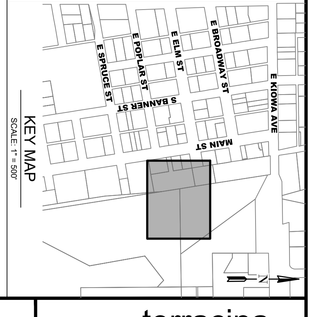
LEGEND

- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROJECT BOUNDARY
- RIGHT OF WAY (ROW)
- EASEMENT
- LOT BOUNDARY
- CONCRETE
- MAINTENANCE ACCESS (GRAVEL) ROAD
- RIPRAP
- SOIL RIPRAP
- STORM (FES, MH, & INLET)
- SANITARY
- WATER (HYDRANT, VALVE, BEND, MH)
- FOREBAY
- STORM INLETS (TYPE C, D, 13, & R)
- STORM 100 YEAR HGL
- EX STORM (FES, MH, & INLET)
- EXISTING UTILITY
- EXISTING SWALE
- EXISTING SIGN
- EXISTING WATER
- EXISTING FENCE
- EXISTING POWER POLE & GUY WIRE
- EX WATER MH, METER, & VENT PIPE
- EX WATER VALVE & HYDRANT

0 20' 40'
1 inch = 20'

N

KEY MAP
SCALE: 1" = 500'



1 OF 1	11/4/2024	0 1" = 20' 20' N	TOWN OF ELIZABETH MAIN ST. DEPOT PARKING LOT

STORMCAD KEYMAP

terracina design
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Denver, CO 80231
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STORMCAD OUTPUT TABLES

Main Street Depot - 5-Year

Catchment Table - Time: 0.00 hours

Label	Outflow Element	Area (acres)	Runoff Coeff.	Time of C (min)	Catchment CA (acres)	Intensity (in/h)	Flow (cfs)
F1	INLET-1	1.770	0.650	10.600	1.151	2.960	3.43
F2	INLET-2	0.680	0.650	5.000	0.442	3.799	1.69

Catch Basin Table - Time: 0.00 hours

Label	Rim (ft)	Invert (ft)	Flow (cfs)	HGL (In) (ft)	HGL (Out) (ft)	Inlet Location	Notes
OUTL-2	6,441.57	6,439.76	0.20	6,439.93	6,439.93	In Sag	Outlet Structure
INLET-1	6,449.40	6,444.15	3.43	6,444.86	6,444.86	In Sag	10' TYPE R INLET
INLET-2	6,449.74	6,443.65	4.74	6,444.49	6,444.49	In Sag	15' TYPE R INLET

Conduit Table - Time: 0.00 hours

Label	Start Node	Stop Node	Invert (Start) (ft)	Invert (Stop) (ft)	Length (ft)	Slope (%)	Dia. (in)	Mann.	Flow (cfs)	Velocity (ft/s)	Depth (ft)	Capacity (cfs)	Froude Number	HGL (In) (ft)	HGL (Out) (ft)
P-1	INLET-1	INLET-2	6,444.15	6,443.85	20.0	1.50	18.0	0.013	3.43	6.17	0.71	12.88	1.745	6,444.86	6,444.40
P-2	INLET-2	SEDIMENT PAD-1	6,443.65	6,442.82	55.0	1.51	18.0	0.013	4.74	6.74	0.84	12.90	1.725	6,444.49	6,443.45
P-3	OUTL-2	FES-1	6,439.76	6,439.32	87.6	0.50	18.0	0.013	0.20	1.82	0.16	7.43	0.942	6,439.93	6,439.49

Outfall Table - Time: 0.00 hours

ID	Label	Elevation (Ground) (ft)	Elevation (Invert) (ft)	Boundary Condition Type	Flow (Total Out) (cfs)	Notes
1907	FES-1	6,441.12	6,439.32	Free Outfall	0.20	18" FES
1911	SEDIMENT PAD-1	6,445.14	6,442.82	Free Outfall	4.72	SEDIMENT PAD

STORMCAD OUTPUT TABLES

Main Street Depot - 100-Year

Catchment Table - Time: 0.00 hours

Label	Outflow Element	Area (acres)	Runoff Coeff.	Time of C (min)	Catchment CA (acres)	Intensity (in/h)	Flow (cfs)
F1	INLET-1	1.770	0.790	10.600	1.398	6.423	9.05
F2	INLET-2	0.680	0.790	5.000	0.537	8.242	4.46

Catch Basin Table - Time: 0.00 hours

Label	Rim (ft)	Invert (ft)	Flow (cfs)	HGL (In) (ft)	HGL (Out) (ft)	Inlet Location	Notes
OUTL-2	6,441.57	6,439.76	3.10	6,440.44	6,440.44	In Sag	Outlet Structure
INLET-1	6,449.40	6,444.15	9.05	6,445.31	6,445.31	In Sag	10' TYPE R INLET
INLET-2	6,449.74	6,443.65	12.51	6,444.98	6,444.98	In Sag	15' TYPE R INLET

Conduit Table - Time: 0.00 hours

Label	Start Node	Stop Node	Invert (Start) (ft)	Invert (Stop) (ft)	Length (ft)	Slope (%)	Dia. (in)	Mann.	Flow (cfs)	Velocity (ft/s)	Depth (ft)	Capacity (cfs)	Froude Number	HGL (In) (ft)	HGL (Out) (ft)
P-1	INLET-1	INLET-2	6,444.15	6,443.85	20.0	1.50	18.0	0.013	9.05	7.89	1.16	12.88	1.568	6,445.31	6,444.83
P-2	INLET-2	SEDIMENT PAD-1	6,443.65	6,442.82	55.0	1.51	18.0	0.013	12.51	8.32	1.33	12.90	1.317	6,444.98	6,444.02
P-3	OUTL-2	FES-1	6,439.76	6,439.32	87.6	0.50	18.0	0.013	3.10	4.01	0.67	7.43	0.983	6,440.44	6,439.99

Outfall Table - Time: 0.00 hours

ID	Label	Elevation (Ground) (ft)	Elevation (Invert) (ft)	Boundary Condition Type	Flow (Total Out) (cfs)	Notes
1907	FES-1	6,441.12	6,439.32	Free Outfall	3.10	18" FES
1911	SEDIMENT PAD-1	6,445.14	6,442.82	Free Outfall	12.46	SEDIMENT PAD

APPENDIX D

EXTENDED DETENTION BASIN/ WATER QUALITY ENHANCEMENT BMP'S

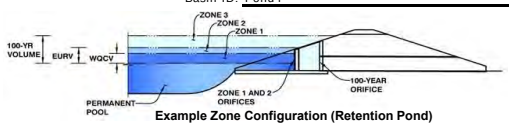
Outlet Structure Design Spreadsheet
Concrete Sediment Pad Design Spreadsheet

DETENTION BASIN STAGE-STORAGE TABLE BUILDER

MHFD-Detention, Version 4.06 (July 2022)

Project: Town of Elizabeth - Main St Depot Parking Lot

Basin ID: Pond F



Example Zone Configuration (Retention Pond)

Watershed Information

Selected BMP Type =	EDB	
Watershed Area =	3.48	acres
Watershed Length =	705	ft
Watershed Length to Centroid =	354	ft
Watershed Slope =	0.021	ft/ft
Watershed Imperviousness =	58.17%	percent
Percentage Hydrologic Soil Group A =	0.0%	percent
Percentage Hydrologic Soil Group B =	34.2%	percent
Percentage Hydrologic Soil Groups C/D =	65.8%	percent
Target WQCV Drain Time =	40.0	hours
Location for 1-hr Rainfall Depths =	User Input	

After providing required inputs above including 1-hour rainfall depths, click 'Run CUHP' to generate runoff hydrographs using the embedded Colorado Urban Hydrograph Procedure.

			Optional User Overrides	
Water Quality Capture Volume (WQCV) =	0.067	acre-feet		acre-feet
Excess Urban Runoff Volume (EURV) =	0.202	acre-feet		acre-feet
2-yr Runoff Volume (P1 = 0.86 in.) =	0.130	acre-feet	0.86	inches
5-yr Runoff Volume (P1 = 1.15 in.) =	0.193	acre-feet	1.15	inches
10-yr Runoff Volume (P1 = 1.4 in.) =	0.257	acre-feet	1.40	inches
25-yr Runoff Volume (P1 = 1.77 in.) =	0.374	acre-feet	1.77	inches
50-yr Runoff Volume (P1 = 2.07 in.) =	0.460	acre-feet	2.07	inches
100-yr Runoff Volume (P1 = 2.4 in.) =	0.565	acre-feet	2.40	inches
500-yr Runoff Volume (P1 = 3.23 in.) =	0.814	acre-feet	3.23	inches
Approximate 2-yr Detention Volume =	0.124	acre-feet		
Approximate 5-yr Detention Volume =	0.185	acre-feet		
Approximate 10-yr Detention Volume =	0.230	acre-feet		
Approximate 25-yr Detention Volume =	0.274	acre-feet		
Approximate 50-yr Detention Volume =	0.295	acre-feet		
Approximate 100-yr Detention Volume =	0.338	acre-feet		

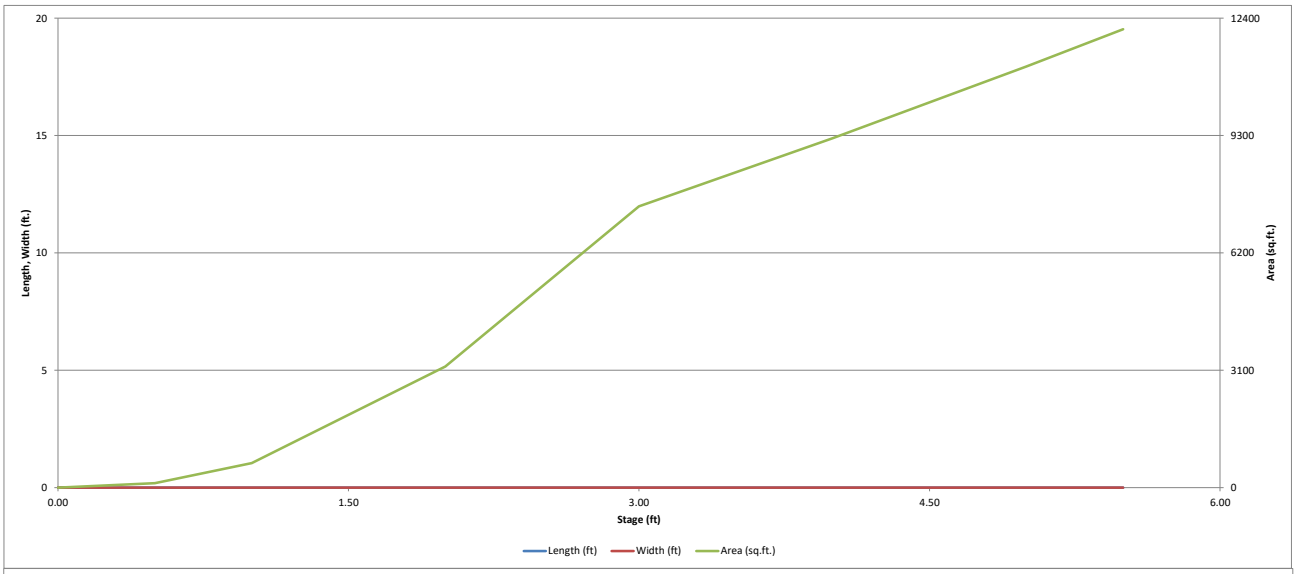
Define Zones and Basin Geometry

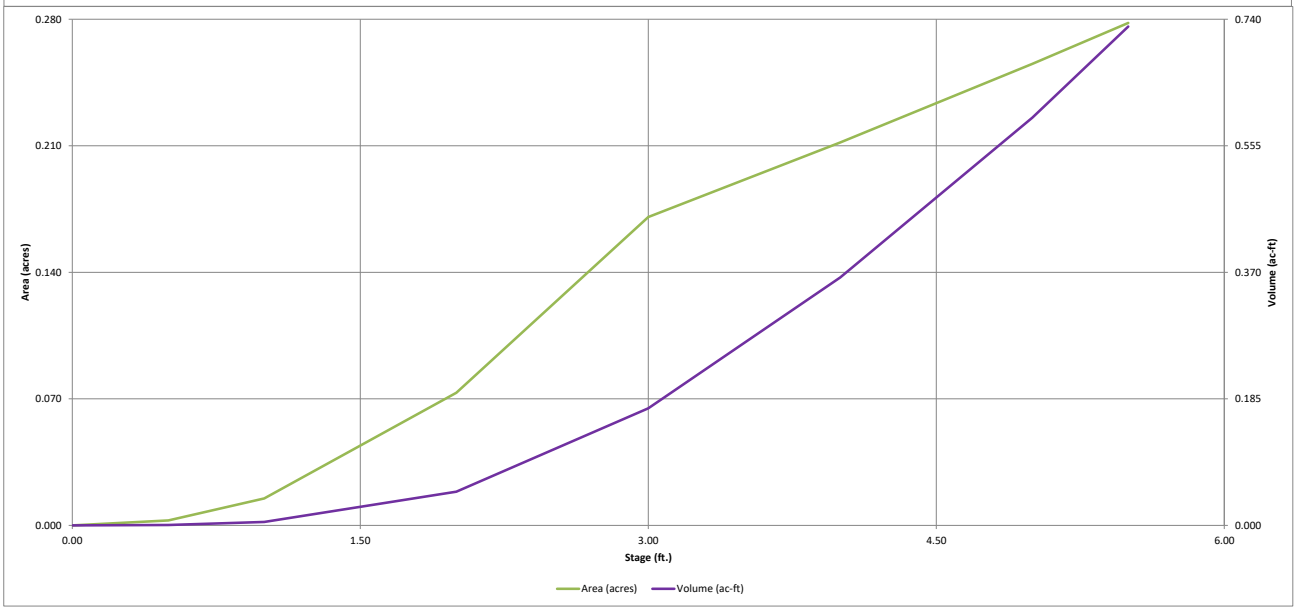
Zone 1 Volume (WQCV) =	0.067	acre-feet
Zone 2 Volume (EURV - Zone 1) =	0.136	acre-feet
Zone 3 (100yr + 1 / 2 WQCV - Zones 1 & 2) =	0.169	acre-feet
Total Detention Basin Volume =	0.371	acre-feet
Initial Surcharge Volume (ISV) =	user	ft^3
Initial Surcharge Depth (ISD) =	user	ft
Total Available Detention Depth (H_{total}) =	user	ft
Depth of Trickle Channel (H_{TC}) =	user	ft
Slope of Trickle Channel (S_{TC}) =	user	ft/ft
Slopes of Main Basin Sides (S_{main}) =	user	H:V
Basin Length-to-Width Ratio ($R_{L/W}$) =	user	

Initial Surcharge Area (A_{ISV}) =	user	ft^2
Surcharge Volume Length (L_{ISV}) =	user	ft
Surcharge Volume Width (W_{ISV}) =	user	ft
Depth of Basin Floor (H_{FLOOR}) =	user	ft
Length of Basin Floor (L_{FLOOR}) =	user	ft
Width of Basin Floor (W_{FLOOR}) =	user	ft
Area of Basin Floor (A_{FLOOR}) =	user	ft^2
Volume of Basin Floor (V_{FLOOR}) =	user	ft^3
Depth of Main Basin (H_{MAIN}) =	user	ft
Length of Main Basin (L_{MAIN}) =	user	ft
Width of Main Basin (W_{MAIN}) =	user	ft
Area of Main Basin (A_{MAIN}) =	user	ft^2
Volume of Main Basin (V_{MAIN}) =	user	ft^3
Calculated Total Basin Volume (V_{total}) =	user	acre-feet

Depth Increment = 1.00 ft

Stage - Storage Description	Stage (ft)	Optional Override Stage (ft)	Length (ft)	Width (ft)	Area (ft^2)	Optional Override Area (ft^2)	Area (acre)	Volume (ft^3)	Volume (ac-ft)
Top of Micropool	--	0.00	--	--	--	0	0.000		
6440.5	--	0.50	--	--	--	118	0.003	29	0.001
6441	--	1.00	--	--	--	649	0.015	221	0.005
6442	--	2.00	--	--	--	3,198	0.073	2,145	0.049
6443	--	3.00	--	--	--	7,429	0.171	7,459	0.171
6444	--	4.00	--	--	--	9,228	0.212	15,787	0.362
6445	--	5.00	--	--	--	11,122	0.255	25,963	0.596
6445.5	--	5.50	--	--	--	12,107	0.278	31,770	0.729


20
15
10
5
0
12400
9300
6200
3100
0
Length, Width (ft.)
Area (sq.ft.)
0.00
1.50
3.00
4.50
6.00
Stage (ft)
Length (ft)
Width (ft)
Area (sq.ft.)

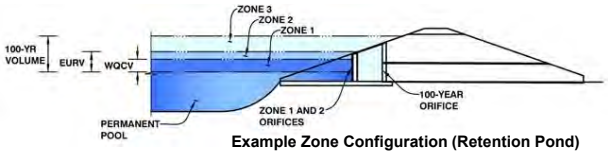

0.280
0.210
0.140
0.070
0.000
0.740
0.555
0.370
0.185
0.000
Area (acres)
Volume (ac-ft)
0.00
1.50
3.00
4.50
6.00
Stage (ft.)
Area (acres)
Volume (ac-ft)

DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.06 (July 2022)

Project: Town of Elizabeth - Main St Depot Parking Lot

Basin ID: Pond F



Example Zone Configuration (Retention Pond)

	Estimated Stage (ft)	Estimated Volume (ac-ft)	Outlet Type
Zone 1 (WQCV)	2.21	0.067	Orifice Plate
Zone 2 (EURV)	3.18	0.136	Rectangular Orifice
3 (100+1/2WQCV)	4.05	0.169	Weir&Pipe (Restrict)
Total (all zones)		0.371	

User Input: Orifice at Underdrain Outlet (typically used to drain WQCV in a Filtration BMP)

Underdrain Orifice Invert Depth = ft (distance below the filtration media surface)

Underdrain Orifice Diameter = inches

Calculated Parameters for Underdrain

Underdrain Orifice Area = ft²

Underdrain Orifice Centroid = feet

User Input: Orifice Plate with one or more orifices or Elliptical Slot Weir (typically used to drain WQCV and/or EURV in a sedimentation BMP)

Centroid of Lowest Orifice =	0.00	ft (relative to basin bottom at Stage = 0 ft)	WQ Orifice Area per Row =	2.083E-03	ft²
Depth at top of Zone using Orifice Plate =	2.20	ft (relative to basin bottom at Stage = 0 ft)	Elliptical Half-Width =	N/A	feet
Orifice Plate: Orifice Vertical Spacing =	12.00	inches	Elliptical Slot Centroid =	N/A	feet
Orifice Plate: Orifice Area per Row =	0.30	sq. inches (diameter = 5/8 inch)	Elliptical Slot Area =	N/A	ft²

Calculated Parameters for Plate

User Input: Stage and Total Area of Each Orifice Row (numbered from lowest to highest)

	Row 1 (required)	Row 2 (optional)	Row 3 (optional)	Row 4 (optional)	Row 5 (optional)	Row 6 (optional)	Row 7 (optional)	Row 8 (optional)
Stage of Orifice Centroid (ft)	0.00	1.00	2.00					
Orifice Area (sq. inches)	0.30	0.30	0.30					

	Row 9 (optional)	Row 10 (optional)	Row 11 (optional)	Row 12 (optional)	Row 13 (optional)	Row 14 (optional)	Row 15 (optional)	Row 16 (optional)
Stage of Orifice Centroid (ft)								
Orifice Area (sq. inches)								

User Input: Vertical Orifice (Circular or Rectangular)

	Zone 2 Rectangular	Not Selected			Zone 2 Rectangular	Not Selected	
Invert of Vertical Orifice =	2.21	N/A	ft (relative to basin bottom at Stage = 0 ft)	Vertical Orifice Area =	0.03	N/A	ft²
Depth at top of Zone using Vertical Orifice =	3.16	N/A	ft (relative to basin bottom at Stage = 0 ft)	Vertical Orifice Centroid =	0.04	N/A	feet
Vertical Orifice Height =	1.00	N/A	inches				
Vertical Orifice Width =	4.00		inches				

Calculated Parameters for Vertical Orifice

User Input: Overflow Weir (Dropbox with Flat or Sloped Grate and Outlet Pipe OR Rectangular/Trapezoidal Weir and No Outlet Pipe)

	Zone 3 Weir	Not Selected			Zone 3 Weir	Not Selected	
Overflow Weir Front Edge Height, Ho =	3.35	N/A	ft (relative to basin bottom at Stage = 0 ft)	Height of Grate Upper Edge, H_t =	4.35	N/A	feet
Overflow Weir Front Edge Length =	4.00	N/A	feet	Overflow Weir Slope Length =	4.12	N/A	feet
Overflow Weir Grate Slope =	4.00	N/A	H:V	Grate Open Area / 100-yr Orifice Area =	6.50	N/A	
Horiz. Length of Weir Sides =	4.00	N/A	feet	Overflow Grate Open Area w/o Debris =	11.48	N/A	ft²
Overflow Grate Type =	Type C Grate	N/A		Overflow Grate Open Area w/ Debris =	5.74	N/A	ft²
Debris Clogging % =	50%	N/A	%				

Calculated Parameters for Overflow Weir

User Input: Outlet Pipe w/ Flow Restriction Plate (Circular Orifice, Restrictor Plate, or Rectangular Orifice)

	Zone 3 Restrictor	Not Selected			Zone 3 Restrictor	Not Selected	
Depth to Invert of Outlet Pipe =	0.25	N/A	ft (distance below basin bottom at Stage = 0 ft)	Outlet Orifice Area =	1.77	N/A	ft²
Outlet Pipe Diameter =	18.00	N/A	inches	Outlet Orifice Centroid =	0.75	N/A	feet
Restrictor Plate Height Above Pipe Invert =	18.00		inches	Half-Central Angle of Restrictor Plate on Pipe =	3.14	N/A	radians

Calculated Parameters for Outlet Pipe w/ Flow Restriction Plate

User Input: Emergency Spillway (Rectangular or Trapezoidal)

Spillway Invert Stage=	4.10	ft (relative to basin bottom at Stage = 0 ft)	Spillway Design Flow Depth=	0.39	feet
Spillway Crest Length =	10.00	feet	Stage at Top of Freeboard =	5.49	feet
Spillway End Slopes =	4.00	H:V	Basin Area at Top of Freeboard =	0.28	acres
Freeboard above Max Water Surface =	1.00	feet	Basin Volume at Top of Freeboard =	0.72	acre-ft

Calculated Parameters for Spillway

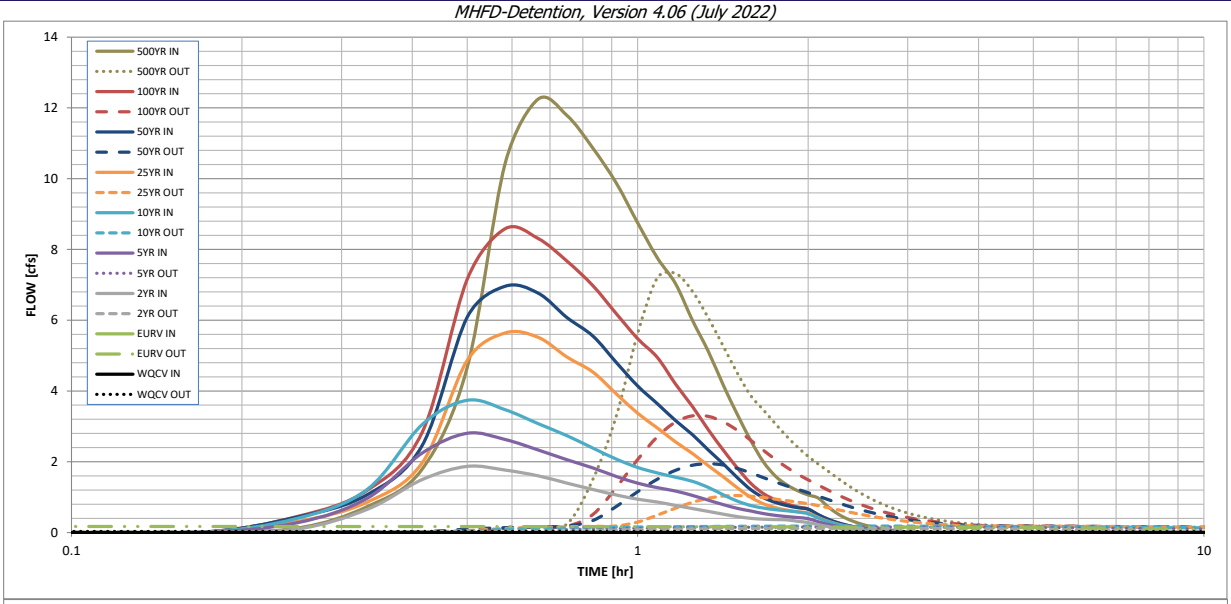
Routed Hydrograph Results

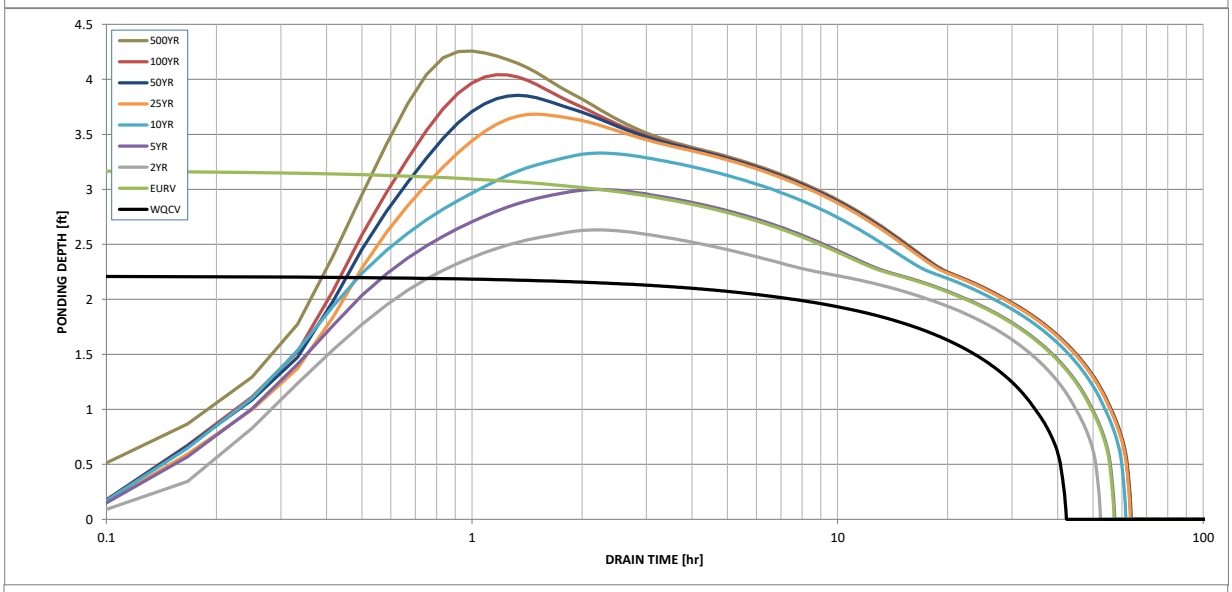
The user can override the default CUHP hydrographs and runoff volumes by entering new values in the Inflow Hydrographs table (Columns W through AF).

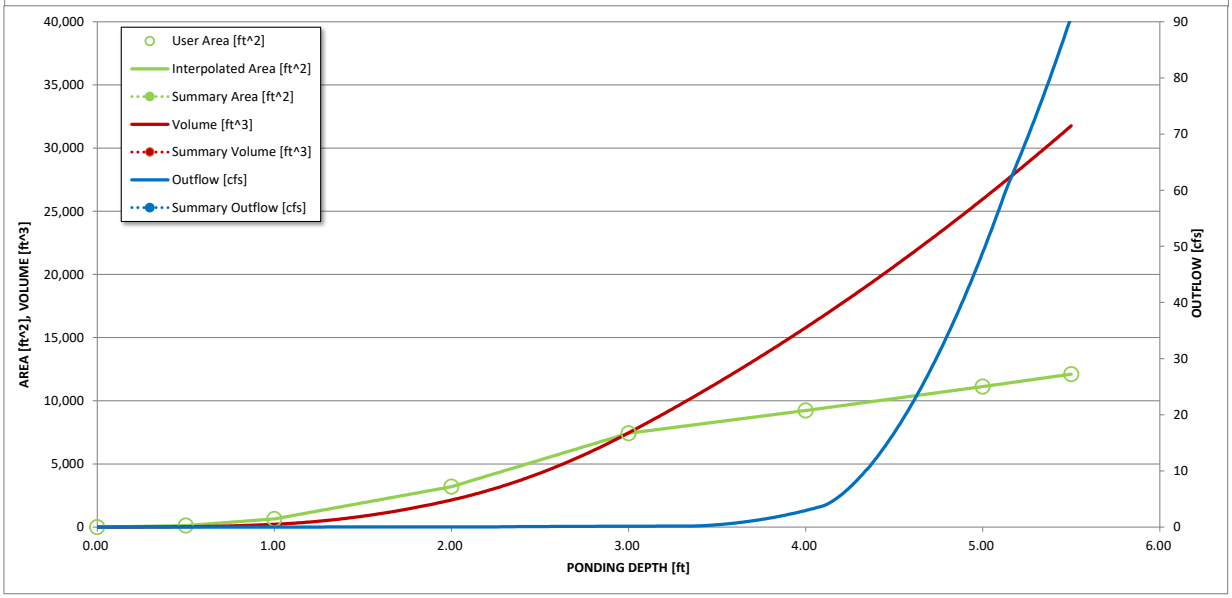
Design Storm Return Period =	WQCV	EURV	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year	500 Year
One-Hour Rainfall Depth (in) =	N/A	N/A	0.86	1.15	1.40	1.77	2.07	2.40	3.23
CUHP Runoff Volume (acre-ft) =	0.067	0.202	0.130	0.193	0.257	0.374	0.460	0.565	0.814
Inflow Hydrograph Volume (acre-ft) =	N/A	N/A	0.130	0.193	0.257	0.374	0.460	0.565	0.814
CUHP Predevelopment Peak Q (cfs) =	N/A	N/A	0.0	0.3	0.8	2.1	2.8	3.8	6.0
OPTIONAL Override Predevelopment Peak Q (cfs) =	N/A	N/A							
Predevelopment Unit Peak Flow, q (cfs/acre) =	N/A	N/A	0.01	0.09	0.23	0.59	0.81	1.10	1.72
Peak Inflow Q (cfs) =	N/A	N/A	1.9	2.8	3.7	5.6	7.0	8.6	12.2
Peak Outflow Q (cfs) =	0.0	0.2	0.1	0.2	0.2	1.0	1.9	3.3	7.3
Ratio Peak Outflow to Predevelopment Q =	N/A	N/A	N/A	0.5	0.2	0.5	0.7	0.9	1.2
Structure Controlling Flow =	Vertical Orifice 1	Vertical Orifice 1	Vertical Orifice 1	Vertical Orifice 1	Vertical Orifice 1	Overflow Weir 1	Overflow Weir 1	Overflow Weir 1	Spillway
Max Velocity through Grate 1 (fps) =	N/A	N/A	N/A	N/A	N/A	0.1	0.2	0.3	0.4
Max Velocity through Grate 2 (fps) =	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Time to Drain 97% of Inflow Volume (hours) =	39	49	46	49	52	51	49	47	42
Time to Drain 99% of Inflow Volume (hours) =	41	54	50	54	57	57	57	55	53
Maximum Ponding Depth (ft) =	2.22	3.18	2.63	3.00	3.33	3.68	3.86	4.04	4.26
Area at Maximum Ponding Depth (acres) =	0.09	0.18	0.13	0.17	0.18	0.20	0.21	0.21	0.22
Maximum Volume Stored (acre-ft) =	0.068	0.203	0.115	0.170	0.230	0.297	0.331	0.371	0.417

DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.06 (July 2022)







S-A-V-D Chart Axis Override	X-axis	Left Y-Axis	Right Y-Axis
minimum bound			
maximum bound			

DETENTION BASIN OUTLET STRUCTURE DESIGN

Outflow Hydrograph Workbook Filename:

Inflow Hydrographs

The user can override the calculated inflow hydrographs from this workbook with inflow hydrographs developed in a separate program.

	SOURCE	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP
Time Interval	TIME	WQCV [cfs]	EURV [cfs]	2 Year [cfs]	5 Year [cfs]	10 Year [cfs]	25 Year [cfs]	50 Year [cfs]	100 Year [cfs]	500 Year [cfs]
5.00 min	0:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0:05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
	0:15:00	0.00	0.00	0.10	0.27	0.40	0.31	0.43	0.45	0.74
	0:20:00	0.00	0.00	0.66	0.97	1.22	0.86	1.07	1.20	1.80
	0:25:00	0.00	0.00	1.50	2.25	3.06	1.98	2.47	2.84	4.67
	0:30:00	0.00	0.00	1.87	2.81	3.74	4.86	6.09	7.16	10.43
	0:35:00	0.00	0.00	1.76	2.63	3.47	5.64	6.96	8.59	12.24
	0:40:00	0.00	0.00	1.60	2.33	3.08	5.52	6.77	8.31	11.79
	0:45:00	0.00	0.00	1.40	2.06	2.74	4.96	6.08	7.67	10.86
	0:50:00	0.00	0.00	1.22	1.83	2.39	4.54	5.55	6.98	9.88
	0:55:00	0.00	0.00	1.06	1.58	2.08	3.92	4.81	6.19	8.75
	1:00:00	0.00	0.00	0.94	1.40	1.84	3.37	4.14	5.48	7.76
	1:05:00	0.00	0.00	0.86	1.27	1.68	2.96	3.64	4.95	7.03
	1:10:00	0.00	0.00	0.77	1.17	1.56	2.56	3.16	4.19	5.99
	1:15:00	0.00	0.00	0.68	1.05	1.45	2.23	2.76	3.56	5.11
	1:20:00	0.00	0.00	0.60	0.91	1.27	1.89	2.33	2.90	4.17
	1:25:00	0.00	0.00	0.52	0.79	1.07	1.57	1.94	2.33	3.34
	1:30:00	0.00	0.00	0.45	0.68	0.89	1.26	1.55	1.82	2.61
	1:35:00	0.00	0.00	0.40	0.61	0.76	1.00	1.21	1.39	2.00
	1:40:00	0.00	0.00	0.38	0.54	0.69	0.81	0.99	1.10	1.60
	1:45:00	0.00	0.00	0.37	0.49	0.65	0.71	0.85	0.93	1.35
	1:50:00	0.00	0.00	0.36	0.45	0.61	0.63	0.76	0.81	1.18
	1:55:00	0.00	0.00	0.32	0.42	0.58	0.59	0.70	0.73	1.06
	2:00:00	0.00	0.00	0.28	0.39	0.53	0.55	0.66	0.67	0.98
	2:05:00	0.00	0.00	0.22	0.31	0.41	0.43	0.51	0.50	0.74
	2:10:00	0.00	0.00	0.17	0.23	0.31	0.32	0.38	0.37	0.54
	2:15:00	0.00	0.00	0.13	0.18	0.24	0.24	0.29	0.27	0.40
	2:20:00	0.00	0.00	0.10	0.13	0.18	0.18	0.21	0.21	0.30
	2:25:00	0.00	0.00	0.07	0.10	0.13	0.14	0.16	0.15	0.23
	2:30:00	0.00	0.00	0.05	0.07	0.10	0.10	0.12	0.11	0.17
	2:35:00	0.00	0.00	0.04	0.05	0.07	0.07	0.09	0.08	0.12
	2:40:00	0.00	0.00	0.03	0.04	0.05	0.05	0.06	0.06	0.09
	2:45:00	0.00	0.00	0.02	0.02	0.03	0.04	0.04	0.04	0.06
	2:50:00	0.00	0.00	0.01	0.02	0.02	0.02	0.03	0.03	0.04
	2:55:00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02
	3:00:00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01
	3:05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:25:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:30:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:35:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:40:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:45:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:50:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:55:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:25:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:30:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:35:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:40:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:45:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:50:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:55:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:25:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:30:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:35:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:40:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:45:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:50:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:55:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	6:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.06 (July 2022)

Summary Stage-Area-Volume-Discharge Relationships

The user can create a summary S-A-V-D by entering the desired stage increments and the remainder of the table will populate automatically.
The user should graphically compare the summary S-A-V-D table to the full S-A-V-D table in the chart to confirm it captures all key transition points.

Stage - Storage Description	Stage [ft]	Area [ft^2]	Area [acres]	Volume [ft^3]	Volume [ac-ft]	Total Outflow [cfs]

Extended Detention Basin (EDB)

SCM Design, Version 4.00 (April 2024)

Designer:
Company:
Date: November 19, 2024
Project:
Location:
Outfall ID: F

1. Inlet and Forebay

A) Is RPA (GB/GS) used for Runoff Reduction upstream of SCM? NO

Define inflow points for all areas tributary to the SCM below.

B) Inflow Points contributing to SCM (max 8)

Inflow Design Point ID	F1							
Tributary Area to Inflow Point (ft^2)	107,767							
Imperviousness above Inflow Point (%)	75.6%							
Default WQCV for Inflow Point (ft^3)	2,719							
WQCV Reduction above Inflow Point (ft^3)	0							
Remaining WQCV at Inflow Point (ft^3)	2,719							
Will pretreatment be provided with a Sedimentation MTD (HDS)	NO							
Paired Pretreatment HDS Worksheet Name	--							
Sheet or Concentrated Flow	Conc							

C) Sheet Flow

Select sheet flow inflow feature	--							
Is Concrete Edger used?	--							
Spacing between slots, recommend ≤ 2 ft on center (ft)	--							
Slot Opening Length, recommend 1.5 (in)	--							
Select type of blind swale used to distribute flow	--							
Select energy dissipation method for level spreader	--							
Height of drop, recommend 2 to 3 (in)	--							
Is concrete mowing strip provided to facilitate maintenance?	--							

D) Concentrated Flow

Select concentrated flow inflow feature	Pipe							
Is downspout extension needed to bridge backfill zone?	--							
Depth of gutter flow line depression for curb opening, recommend 3 (in)	--							
Curb opening inlet width (ft)	--							
Height of drop to sediment pad/forebay, recommend ≥ 1 (in)	--							
Select energy dissipation method for downspouts and/or curb openings.	--							
Select energy dissipation method for swales, channels, and piped outfalls	Riprap							

v) Forebay

Impervious area tributary to concentrated inflow location (ft^2)	81,472							
Forebay Type (Concrete Sediment Pad sufficient for Imp Area ≤ 2 acre)	Pad							
Minimum Forebay Volume (ft^3)	--							
Design Forebay Volume (ft^3)	--							
Maximum Forebay Depth (in)	--							
Design Forebay Depth (in)	--							
Rectangular Weir Notch Width to Empty Forebay in 5-minutes (in)	--							
Design Notch Width (in)	--							
Forebay Drain Time (minutes)	--							

Extended Detention Basin (EDB)

SCM Design, Version 4.00 (April 2024)

Designer:
Company:
Date: November 19, 2024
Project:
Location:
Outfall ID: F

2. Design Storage Volume

Inflow Points above should be fully defined before proceeding below

A) Contributing Watershed Area (including EDB area)

Area = 151,420 ft²
Area = 3.48 ac

For area < 20 impervious acres, consider filtration/infiltration SCMs to avoid small orifices prone to clogging.

B) Imperviousness of Tributary Area

i = 58.2% %

C) Default WQCV

$V_{WQCV\ Default}$ = 2,906 ft³

D) WQCV Reduction resulting from Upstream RPA (GB/GS)

WQCV Reduction = 0 ft³

E) Remaining WQCV

$V_{WQCV\ Remaining}$ = 2,906 ft³

F) Design WQCV (based on actual design geometry)

$V_{WQCV\ Design}$ = ft³

G) Describe additional storage volume provided (e.g. EURV/100yr)
Describe why EDB was selected over other SCMs based on Table EDB-3 considerations related to contributing impervious area.

3. EDB Shape

A) Basin Length-to-Width Ratio
(measured along the low flow channel from inlet to outlet)

$R_{L/W}$ =

B) Discuss how the design considered community values

4. Side Slopes

When designing basin slopes, consider requirements for access and vegetation management.

A) Max. Side Slope (Z = 4:1 or flatter, horiz. dist per unit vertical)
(Use "0" if EDB has vertical walls)

Z = ft / ft

5. Low Flow Channels and Basin Bottom Grading

A) Type of low flow channel

B) Depth of low flow channel (recommend 18")

D_{LFC} = in

C) Depth of concrete curb (recommend 6")

D_{Curb} = in

D) Side Slopes of low flow channel (Z = 2 min.)

Z_{LFC} = ft / ft

E) Bottom width of low flow channel

Bottom Width $_{LFC}$ = ft

F) Longitudinal Slope of Low Flow Channel

Slope $_{LFC}$ = ft / ft

G) Typical Bottom Slope toward low flow channel (min. 0.02 ft/ft)

Slope $_{Basin\ Bottom}$ = ft / ft

H) Describe any non-typical low flow channel features (if applicable)

Extended Detention Basin (EDB)

SCM Design, Version 4.00 (April 2024)

Designer:
Company:
Date: November 19, 2024
Project:
Location:
Outfall ID: F

6. Initial Surcharge Volume	
A) Initial Surcharge Depth	ISD = [ ] in
7. Outlet Structure	
A) Micropool Type	[ ]
B) Depth of Micropool (recommend 2.5 feet minimum)	D_{MP} = [ ] ft
C) Surface Area of Micropool (recommend 15 square feet minimum)	A_{MP} = [ ] ft^2
D) Describe Micropool configuration	
E) Minimum dimension of opening in water quality orifice plate based on 40-hour drain time and hydrograph routing in MHFD-Detention.	Orifice D_{Min} = [ ] in
F) Describe orifice plate configuration	
G) Trash Rack Type	[ ]
H) Trash Rack Configuration	[ ]
I) Describe Outlet Structure(s) for events larger than WQCV. (EURV, full-spectrum detention, safety grating, etc.)	
8. Emergency Spillway and Overflow Embankment	
A) Describe spillway configuration, spillway capacity, and embankment protection.	
9. Vegetation	
A) Has a vegetation management plan been developed?	[ ]
B) Has a landscape management plan been developed?	[ ]
C) Describe vegetation/landscaping considerations: - Specify plants that support the water quality function of the EDB? (e.g. wetland, wetland fringe, riparian, upland, trees) - Include drought tolerant native plants? - Consider soil assessment, preparation, and erosion mitigation? - Include plants that enhance within context of the site? - Address alternative hydraulic regimes? - Consider required maintenance activities and intervals? - Consider short and long-term irrigation needs? - Consider irrigation head placement?	

Extended Detention Basin (EDB)

SCM Design, Version 4.00 (April 2024)

Designer:
Company:
Date: November 19, 2024
Project:
Location:
Outfall ID: F

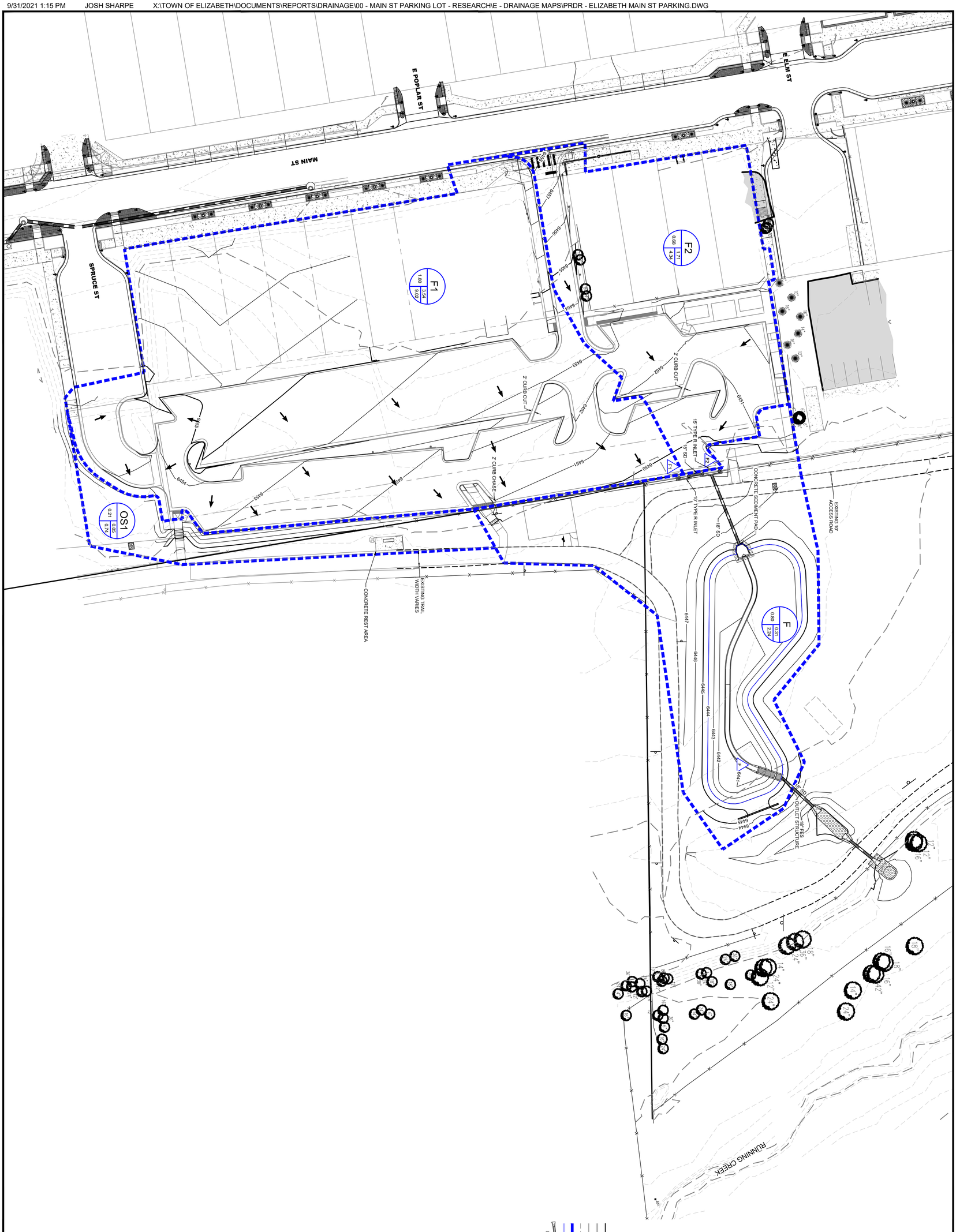
10. Maintenance Access

A) Describe maintenance access into forebay(s) and area adjacent to and within outlet structure:
- minimum access path width of 10 feet
- maximum 10% grade for haul road surface
- maximum 20% grade for skid-loader and backhoe access
- cross-slope of 2% for access path
- stabilized access materials (concrete, block, grid, reinforced turf)
- access stairs inside outlet structure

Notes:

APPENDIX E
DRAINAGE MAPS

Proposed Drainage Map



LEGEND

- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR DRAINAGE BASIN
- 100-YR WSEL
- STORM (FES, MH, & INLET)
- EXISTING
- PROPOSED
- BASIN DESIGNATION
- MINOR RUNOFF (CFS)
- MAJOR RUNOFF (CFS)
- DIRECTIONAL FLOW ARROW
- DESIGN POINT

1 OF 1	1/29/2025	TOWN OF ELIZABETH MAIN ST. DEPOT PARKING LOT	PROPOSED DRAINAGE MAP

terracina design
10200 E. Girard Ave, A-314
Denver, CO 80231
ph: 303.632.8867

Town of Elizabeth GESC Permit V24-00XX

Cost Opinion Spreadsheet

Project Name: Main Street Depot Date: 1/29/2025

No.	BMP	ID	Unit	Installation Unit Cost	Quantity	Cost
1	Check Dam	CD	LF	$ 24.00	0	$ -
2	Compost Blanket	CB	SF	$ 0.36	0	$ -
3	Compost Filler Berm	CFB	LF	$ 2.00	0	$ -
4	Concrete Washout Area	CWA	EA	$ 1,000.00	1	$ 1,000.00
5	Construction Fence	CF	LF	$ 2.00	0	$ -
6	Construction Markers	CM	LF	$ 0.20	1,177	$ 235.43
7	Dewatering	DW	EA	$ 600.00	0	$ -
8	Diversion Ditch	DD	LF	$ 1.60	0	$ -
9	Erosion Control Blanket	ECB	SY	$ 5.00	284	$ 1,420.97
10	Inlet Protection	IP	LF	$ 11.00	25	$ 275.00
11	Reinforced Check Dam	RCD	LF	$ 36.00	0	$ -
12	Reinforced Rock Berm	RRB	LF	$ 9.00	4	$ 36.00
13	RRB for Culvert Protection	RRC	LF	$ 9.00	34	$ 306.00
14	Sediment Basin	SB	AC	$ 1,100.00	4	$ 4,400.00
15	Sediment Control Log	SCL	LF	$ 2.00	298	$ 595.52
16	Sediment Trap	ST	EA	$ 600.00	1	$ 600.00
17	Seeding and Mulching	SM	AC	$ 3,500.00	1	$ 4,497.07
18	Silt Fence	SF	LF	$ 3.00	1,139	$ 3,415.77
19	Stabilized Staging Area	SSA	SY	$ 60.00	553	$ 33,180.00
20	Surface Roughening	SR	AC	$ 600.00	2.5	$ 1,497.67
21	Temporary Slope Drain	TSD	LF	$ 30.00	0	$ -
22	Temporary Stream Crossing	TSC	EA	$ 1,000.00	0	$ -
23	Terracing	TER			0	$ -
24	Vehicle Tracking Control	VTC	EA	$ 1,000.00	1	$ 1,000.00
25	VTC with Wheel Wash	WW	EA		0	$ -
26	Termporary Batch Plant Restoration		AC	$ 5,000.00	0	$ -
27	Other: Curb Sock		LF	$ 20.00	0	$ -
	SUB-TOTAL					$ 52,459.42

Engineer's Opinion of Estimated Costs for
Main Street Depot, Elizabeth, Colorado

Date: 1/29/2025

Note: All Costs Must Include Labor and Materials.

Description	Quantity	Unit	Unit Cost	Total Cost
Earthwork				
Mobilizaton	1	EA	$25,000.00	$25,000.00
Clearing and Grubbing	2	AC	$2,000.00	$3,597.62
Imported Fill Material	2,562	CY	$75.00	$192,125.10
Transportation				
Mobilizaton	1	EA	$25,000.00	$25,000.00
Adjust Manholes/Clean Outs	2	EA	$700.00	$1,400.00
Adjust Valves	3	EA	$1,000.00	$3,000.00
Remove Ashpalt Pavement	14	SY	$40.00	$570.68
Remove Curb & Gutter	50	LF	$20.00	$1,000.00
Remove Sidewalk	30	SY	$47.00	$1,409.66
Saw Cut Existing Asphalt	56	LF	$3.00	$168.00
Curb & Gutter - Mountable 1' pan (Spill)	920	LF	$27.00	$24,840.00
Curb & Gutter - Mountable 2' pan (Catch)	1,807	LF	$27.00	$48,789.00
Crosspan 10' Wide	1	EA	$3,000.00	$3,000.00
Concrete Sidewalk 6'	679	LF	$75.00	$50,891.64
Ramps (Corner)	2	EA	$3,000.00	$6,000.00
Ramps (Mid-Block)	6	EA	$2,900.00	$17,400.00
Curb Chase	32	LF	$136.00	$4,352.00
Asphalt - Local Pavement, Base, & Subgrade (1 beyond back of curb) - Local	6,029	SY	$40.00	$241,160.00
Public Signage	11	EA	$200.00	$2,200.00
Striping - White Line - 6" Solid	2,823	LF	$1.60	$4,516.80
Striping - Crosswalk (2' x 8' Bar)	5	EA	$75.00	$375.00
Striping - Stop Bar	1	LF	$250.00	$250.00
Striping - Road Markings	12	EA	$1,000.00	$12,000.00
Fence (Relocated Smoking Area)	140	LF	$50.00	$7,000.00
Storm Drain				
RCP Pipe 18"	152	LF	$130.00	$19,813.30
Inlet Type R - 10'	1	EA	$11,000.00	$11,000.00
Inlet Type R - 15'	1	EA	$13,000.00	$13,000.00
FES 18"	3	EA	$6,000.00	$18,000.00
Concrete Sediment Pad (10 SY)	1	EA	$12,000.00	$12,000.00
Outlet Structure	1	EA	$55,000.00	$55,000.00
Spillway Cutoff Wall	32	LF	$175.00	$5,600.00
Concrete Trickle Channel (3' Wide) (6" Thick)	170	LF	$60.00	$10,191.91
Riprap (Type M)	53	SY	$97.00	$5,163.81
Sanitary Sewer				
Connect to Existing Sanitary Main	1	EA	$3,000.00	$3,000.00
Manhole 4'	1	EA	$10,000.00	$10,000.00
4" Sanitary Clean Out	3	EA	$1,185.00	$3,555.00
PVC Pipe 6"	192	LF	$74.00	$14,203.95
Water				
Connect to Existing Water Infrastructure	1	EA	$2,500.00	$2,500.00
Water Service 3/4"	3	EA	$2,300.00	$6,900.00
PVC Pipe (C900) 8"	296	LF	$63.00	$18,676.15
Bend 8"	2	EA	$700.00	$1,400.00
Valve 8"	3	EA	$2,400.00	$7,200.00
Tee 8"x8"	1	EA	$1,110.00	$1,110.00
Tee 8"x6"	3	EA	$1,390.00	$4,170.00
Plug with 2" Blow-Off 8"	1	EA	$3,330.00	$3,330.00
Hydrant Assembly (Includes Tee, Valve, & DIP)	1	EA	$7,200.00	$7,200.00
	Subtotal			$909,059.63
Total Improvements				**$909,059.63**

TOWN OF ELIZABETH

COMMUNITY DEVELOPMENT DEPARTMENT

LAND USE APPLICATION

DATE: November 21, 2024

NAME OF PROJECT: Main Street Depot - Minor Development and Site Plan

NAME OF APPLICANT: Town of Elizabeth

ADDRESS AND LEGAL DESCRIPTION OF PROJECT: NE corner of Main Street and Spruce Street

A replat of Lots 5 and 6, Block 3 and Lots 1-6, Inclusive, Block 13, and a part of the NE 1/4 Section 18, Township 8 South, Range 64 West of the 6 P.M.

Please check the appropriate item(s):

____REZONE	____PLAT	____USE BY SPECIAL REVIEW
____PUD (planned unit development)	X MINOR PLAT/REPLAT	____ANNEXATION
____VARIANCE	____SUBDIVISON	____MINOR SUBDIVISION
X SITE PLAN	____OTHER	

PRESENT ZONING: DT District

AREA IN ACRES: Approx. 3 acres

PROPOSED ZONING: N/A

PRESENT USE: Vacant

PROPOSED # OF LOTS (if applicable): 3

PROPOSED GROSS FLOOR AREA (if applicable): N/A

***PROPERTY OWNER**

NAME: Linda & Don Bulmer & Town of Elizabeth

ADDRESS: 7814 LOST LAKE DRIVE FRANKTOWN, CO 80116
151 S Banner St., Elizabeth, CO 80107

TELEPHONE #: _____

EMAIL: _____

11/25/2024
SIGNATURE OF OWNER

11/23/2024
SIGNATURE OF OWNER

APPLICANT REPRESENTATIVE

NAME: Town of Elizabeth - Patrick Davidson

ADDRESS: 151 S Banner Street, Elizabeth, CO 80107

TELEPHONE #: 303-646-4166

EMAIL: _____

11/21/2024
SIGNATURE OF APPLICANT

SIGNATURE OF APPLICANT

***(OWNERS SIGNATURE NEEDS TO BE NOTARIZED)**

Subscribed and sworn to be before me this 25th day of November, 20 24

My commission expires

July 18, 2026

Notary

HARMONY MALAKOWSKI
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20184029120
MY COMMISSION EXPIRES JULY 18, 2026

Main Street Depot Project Narrative

The Town of Elizabeth proposes a replat and site improvement plan for the Main Street Depot area, encompassing approximately 3 acres bounded by Main Street to the west, the Alpaca Center and apartments to the north, Spruce Street to the south, and Elizabeth Running Creek Park to the east (Section 18, Township 8 South, Range 64 West, Elbert County, Colorado). The proposed development includes a replat of existing parcels into three distinct lots, along with construction of the Main Street Depot parking lot which will provide 111 standard parking spaces and 5 handicap-accessible spaces. The site will feature two access points: one entrance from Spruce Street to the south and another from Main Street to the west. Site improvements will include new pedestrian sidewalks, a public restroom facility, and an extended detention basin, while integrating with existing gravel trails and open space. This development will enhance downtown accessibility and public infrastructure while optimizing land use in Elizabeth's downtown area.

This strategic development addresses projected parking needs while supporting future growth in downtown Elizabeth. The Old Town Circulation Study revealed that while most visitors currently find parking near their Main Street destinations, several existing businesses rely on public parking due to grandfathered status predating current requirements. The study also showed strong public willingness to walk short distances from parking to downtown destinations, making this location ideal. The parking facility will serve both daily downtown visitors and seasonal events at Running Creek Park and along Main Street. With the completion of the Main Street Streetscape project next summer, increased pedestrian traffic is anticipated to benefit downtown businesses. The lot's location at Main Street's southern end promotes walkability throughout the downtown corridor while preserving prime Main Street frontage for future commercial development through the strategic reconfiguration of existing parcels.

November 13, 2024

Town of Elezabeth Public Works

RE: Main Street Parking Lot CDs

This letter has been prepared in support of the Construction Documents for the Main Street Parking Lot known as "Site" from here on.

The Site is bound to the west by Main Street, to the north by the Alpaca Center and existing apartments, to the south by the lot to the south of Spruce Street, and to the east by Elizabeth Park. It is located within Section 18, Township 8 South, Range 64 West of the 6th Principal Meridian, Elbert County, Colorado.

The Site is approximately 3 acres consisting of gravel trails, storage buildings, and open space with varying levels of vegetation. The project will include the construction of a parking lot, sidewalks, a public restroom, and an extended detention basin.

If you have any questions, please do not hesitate to call me at 303.632.8867.
Sincerely,

Terracina Designs

Martin Metsker, PE
Senior Project Manager

629010 B: 838 P: 585 WD
08/28/2023 11:21:07 AM Page 1 of 2 R: $18.00 D: $40.00
Rhonda Braun, Elbert County, CO

WARRANTY DEED

THIS DEED, Made this 25th day of August, 2023, between

ELIZABETH PROPERTY INVESTORS LLC, A COLORADO LIMITED LIABILITY COMPANY

of the County of ELBERT, in the State of COLORADO, grantor, and

TOWN OF ELIZABETH, A COLORADO MUNICIPAL CORPORATION

whose legal address is 151 S BANNER STREET, ELIZABETH, CO 80107, of the County of ELBERT in the State of COLORADO, grantee:

WITNESSETH, that the grantor, for and in consideration of the sum of exactly Four Hundred Thousand and 00/100 ($400,000.00) DOLLARS, the receipt and sufficiency of which is hereby acknowledged, has granted, bargained, sold and conveyed, and by these presents does grant, bargain, sell, convey and confirm unto the grantee, heirs and assigns forever, all the real property, together with improvements, if any, situate, lying and being in the County of ELBERT, and State of COLORADO, described as follows:

SEE EXHIBIT "A" ATTACHED HERETO

also known by street and number as 444 S. MAIN STREET, ELIZABETH, CO, COLORADO 80107

Assessor's Schedule or Parcel No.: 8418117009 AND 8418117010

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging, or in anywise appertaining and the reversion and reversions, remainder and remainders, rents, issues and profits thereof, and all of the estate, right, title, interest, claim and demand whatsoever of the said grantor, either in law or equity, of, in and to the above bargained premises, with the hereditaments and appurtenances.

TO HAVE AND TO HOLD the said premises above bargained and described, with the appurtenances, unto the said grantee, heirs and assigns forever. And the said grantor, for himself, heirs and personal representatives, does covenant, grant, bargain and agree to and with the grantee, heirs and assigns, that at the time of the ensealing and delivery of these presents, is well seized of the premises above conveyed, has good, sure, perfect, absolute and indefeasible estate of inheritance, in law, in fee simple, and has good right, full power and lawful authority to grant, bargain, sell and convey the same in manner and form aforesaid, and that the same are free and clear from all former and other grants, bargains, sales, liens, taxes, assessments, encumbrances and restrictions of whatever kind or nature soever. EXCEPT FOR TAXES FOR THE CURRENT YEAR AND SUBSEQUENT YEARS, EASEMENTS, RESTRICTIONS, RESERVATIONS, COVENANTS AND RIGHTS-OF-WAY OF RECORD, IF ANY.

The grantor shall and will WARRANT and FOREVER DEFEND the above-bargained premises in the quiet and peaceable possession of the grantee, heirs and assigns, against all and every person or persons lawfully claiming the whole or any part thereof. The singular number shall include the plural, the plural the singular, and the use of any gender shall be applicable to all genders.

IN WITNESS WHEREOF the grantor has executed this deed on the date set forth above.

ELIZABETH PROPERTY INVESTORS LLC, A COLORADO LIMITED LIABILITY COMPANY

BY: _____
BRANDON JEFFRESS, MEMBER

STATE OF COLORADO }
} ss.
COUNTY OF ELBERT }

The foregoing instrument was acknowledged before me on this 25th day of August, 2023 by ELIZABETH PROPERTY INVESTORS LLC, A COLORADO LIMITED LIABILITY COMPANY, by BRANDON JEFFRESS, MEMBER.

My commission expires: 11-27-2023

VALERIE J PEARSON
Notary Public
State of Colorado
Notary ID #20194044697
My Commission Expires 11-27-2023

Witness my hand and Official seal.

_____
Notary Public

(115628.PFD/115628.3)

EXHIBIT "A"

DESCRIPTION NO. 1

LOTS 2,3,4,5 AND 6,
BLOCK 13,
PHILLIPS ADDITION TO ELIZABETH,
COUNTY OF ELBERT,
STATE OF COLORADO

AND

DESCRIPTION NO. 2

A TRACT OF LAND SITUATED IN SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH P.M., TOWN OF ELIZABETH, ELBERT COUNTY COLORADO MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE SOUTHEAST CORNER OF LOT 6, BLOCK 13, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH;
THENCE N 09°03'56" W ALONG THE EAST BOUNDARY OF PHILLIPS ADDITION A DISTANCE OF 166.70 FEET TO THE SOUTHEAST CORNER OF LOT 1, BLOCK 13;
THENCE N 80°55'54" E A DISTANCE OF 125.97 FEET TO THE EAST LINE OF THE FORMER COLORADO AND SOUTHERN RAILROAD RIGHT OF WAY;
THENCE S 04°45'51" E ALONG SAID EAST LINE A DISTANCE OF 167.17 FEET TO THE NORTH LINE OF SPRUCE STREET;
THENCE S 80°56'04" W ALONG SAID NORTH LINE A DISTANCE OF 113.43 FEET TO THE POINT OF BEGINNING;
EXCEPTING THAT PORTION OF DEEDED TO THE TOWN OF ELIZABETH BY DEED RECORDED APRIL 22, 1998 AT RECEPTION NO. 364740;

COUNTY OF ELBERT,
STATE OF COLORADO

637366 B: 846 P: 574 WD
09/16/2024 12:53:40 PM Page 1 of 2 R: $18.00 D: $63.00
Rhonda Braun, Elbert County, CO

Land Title
GUARANTEE COMPANY
Since 1967

General Warranty Deed

(Pursuant to C.R.S. 38-30-113(1)(a))

State Documentary Fee
Date: September 09, 2024
$63.00

This Deed, effective as of **September 9th, 2024**, signed on the date(s) acknowledged below, by Grantor(s), **EJAY HOLDINGS, LLC, A COLORADO LIMITED LIABILITY COMPANY**, whose street address is **392 MAIN STREET, ELIZABETH, CO 80107**, City or Town of **ELIZABETH**, County of **Elbert** and State of **Colorado** , for the consideration of (**$630,000.00**) ***Six Hundred Thirty Thousand and 00/100*** dollars, in hand paid, hereby sell(s) and convey(s) to **DON S. BULMER AND LINDA M. BULMER** , as Joint Tenants whose street address is **7814 Lost Lake Dr, Franktown, CO 80116**, City or Town of **Franktown**, County of **Douglas** and State of **Colorado**, the following real property in the County of **Elbert** and State of Colorado, to wit:

See attached "Exhibit A"

also known by street and number as: **392 MAIN STREET, ELIZABETH, CO 80107**

with all its appurtenances and warrant(s) the title to the same, subject to Statutory Exceptions.

EJAY HOLDINGS, LLC, A COLORADO LIMITED LIABILITY COMPANY

By: _____
JANET MCCRACKEN, PRINCIPAL

By: _____
EDMUND J. BEARD, PRINCIPAL

State of **Colorado**)
)ss.
County of **Douglas**)

The foregoing instrument was acknowledged before me on this day of **September 9th, 2024** by **JANET MCCRACKEN AND EDMUND J. BEARD AS PRINCIPALS FOR EJAY HOLDINGS, LLC, A COLORADO LIMITED LIABILITY COMPANY**

Witness my hand and official seal

My Commission expires: 8.27.27 _____
Notary Public

LAURA WENDT
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20154033830
MY COMMISSION EXPIRES 08/27/2027

When recorded return to: **DON S. BULMER AND LINDA M. BULMER**
7814 Lost Lake Dr, Franktown, CO 80116

Form 1089 closing/deeds/statutory/wd_statutory.html 70842694
(7615767)

Exhibit A

PARCEL I:

A TRACT OF LAND LOCATED IN THE NE 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH P.M., AND BEING A PORTION OF THE AMENDED PLAT OF ELIZABETH AND PHILLIPS' ADDITION TO THE TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO, BEING FURTHER DESCRIBED AS FOLLOWS:

FOR THE PURPOSES OF THIS DESCRIPTION, BEARINGS ARE BASED ON THE WEST LINE OF THE COLORADO AND SOUTHERN RAILROAD RIGHT-OF-WAY AND ASSUMED TO BEAR SOUTH 09°03'56" EAST;

BEGINNING AT THE SW CORNER OF LOT 6, BLOCK 3 IN THE AMENDED PLAT OF ELIZABETH;
THENCE N09°03'56" W FOR 33.18 FEET TO THE NW CORNER OF SAID LOT 6;
THENCE N80°56'04" E FOR 100.06 FEET TO THE NE CORNER OF SAID LOT 6, BEING A POINT ON THE WEST LINE OF THE COLORADO AND SOUTHERN RAILROAD RIGHT-OF-WAY;
THENCE S09°03'56" E, AND ALONG SAID WEST RIGHT-OF-WAY LINE FOR 125.58 FEET TO THE SE CORNER OF LOT 1, BLOCK 13 IN PHILLIPS' ADDITION TO THE TOWN OF ELIZABETH;
THENCE S80°55'37" W FOR 100.00 FEET TO THE SW CORNER OF SAID LOT 1;
THENCE N09°05'13" W FOR 92.41 FEET TO THE POINT OF BEGINNING.

Remit Payment To:
Elbert County Abstract & Title Company
305 Comanche Street/ P. O. Box 38
Kiowa, CO 80117

INVOICE

Billed To:

Invoice No.:
Invoice Date: March 6, 2024
Please Pay Before: March 6, 2024
Our File Number: 115722
Your Reference Number:

Property:
444 S. MAIN STREET
ELIZABETH, CO, CO 80107
ELBERT County

Brief Legal:

DESCRIPTION	AMOUNT
INFORMATION ONLY COMMITMENT	150.00
Invoice Total Amount Due	**$ 150.00**

LENDERS -- PLEASE SUBMIT ENDORSEMENT REQUIREMENTS TO TITLE PRIOR TO CLOSING .

REALTORS -- PLEASE SUBMIT DISBURSEMENT STATEMENTS TO TITLE AT LEAST 5 DAYS PRIOR TO CLOSING TO FACILITATE ACCURATE CLOSING DISCLOSURES AND DISBURSEMENT CHECKS.

NOTICE

IMPORTANT—READ CAREFULLY: THIS COMMITMENT IS AN OFFER TO ISSUE ONE OR MORE TITLE INSURANCE POLICIES. ALL CLAIMS OR REMEDIES SOUGHT AGAINST THE COMPANY INVOLVING THE CONTENT OF THIS COMMITMENT OR THE POLICY MUST BE BASED SOLELY IN CONTRACT.

THIS COMMITMENT IS NOT AN ABSTRACT OF TITLE, REPORT OF THE CONDITION OF TITLE, LEGAL OPINION, OPINION OF TITLE, OR OTHER REPRESENTATION OF THE STATUS OF TITLE. THE PROCEDURES USED BY THE COMPANY TO DETERMINE INSURABILITY OF THE TITLE, INCLUDING ANY SEARCH AND EXAMINATION, ARE PROPRIETARY TO THE COMPANY, WERE PERFORMED SOLELY FOR THE BENEFIT OF THE COMPANY, AND CREATE NO EXTRACONTRACTUAL LIABILITY TO ANY PERSON, INCLUDING A PROPOSED INSURED.

THE COMPANY'S OBLIGATION UNDER THIS COMMITMENT IS TO ISSUE A POLICY TO A PROPOSED INSURED IDENTIFIED IN SCHEDULE A IN ACCORDANCE WITH THE TERMS AND PROVISIONS OF THIS COMMITMENT. THE COMPANY HAS NO LIABILITY OR OBLIGATION INVOLVING THE CONTENT OF THIS COMMITMENT TO ANY OTHER PERSON.

COMMITMENT TO ISSUE POLICY

Subject to the Notice; Schedule B, Part I—Requirements; Schedule B, Part II—Exceptions; and the Commitment Conditions, **Alliant National Title Insurance Company**, a **Colorado** corporation (the "Company"), commits to issue the Policy according to the terms and provisions of this Commitment. This Commitment is effective as of the Commitment Date shown in Schedule A for each Policy described in Schedule A, only when the Company has entered in Schedule A both the specified dollar amount as the Proposed Amount of Insurance and the name of the Proposed Insured.

If all of the Schedule B, Part I—Requirements have not been met within 120 days after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

COMMITMENT CONDITIONS

1. DEFINITIONS
   a. "Discriminatory Covenant": Any covenant, condition, restriction, or limitation that is unenforceable under applicable law because it illegally discriminates against a class of individuals based on personal characteristics such as race, color, religion, sex, sexual orientation, gender identity, familial status, disability, national origin, or other legally protected class.
   b. "Knowledge" or "Known": Actual knowledge or actual notice, but not constructive notice imparted by the Public Records.

   c. "Land": The land described in Item 5 of Schedule A and improvements located on that land that by State law constitute real property. The term "Land" does not include any property beyond that described in Schedule A, nor any right, title, interest, estate, or easement in any abutting street, road, avenue, alley, lane, right-of-way, body of water, or waterway, but does not modify or limit the extent that a right of access to and from the Land is to be insured by the Policy.

   d. "Mortgage": A mortgage, deed of trust, trust deed, security deed, or other real property security instrument, including one evidenced by electronic means authorized by law.
   e. "Policy": Each contract of title insurance, in a form adopted by the American Land Title Association, issued or to be issued by the Company pursuant to this Commitment.
   f. "Proposed Amount of Insurance": Each dollar amount specified in Schedule A as the Proposed Amount of Insurance of each Policy to be issued pursuant to this Commitment.
   g. "Proposed Insured": Each person identified in Schedule A as the Proposed Insured of each Policy to be issued pursuant to this Commitment.
   h. "Public Records": The recording or filing system established under State statutes in effect at the Commitment Date under which a document must be recorded or filed to impart constructive notice of matters relating to the Title to a purchaser for value without Knowledge. The term "Public Records" does not include any other recording or filing system, including any pertaining to environmental remediation or protection, planning, permitting, zoning, licensing, building, health, public safety, or national security matters.
   i. "State": The state or commonwealth of the United States within whose exterior boundaries the Land is located. The term "State" also includes the District of Columbia, the Commonwealth of Puerto Rico, the U.S. Virgin Islands, and Guam.
   j. "Title": The estate or interest in the Land identified in Item 3 of Schedule A.

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ALLIANT NATIONAL TITLE INSURANCE COMPANY

Commitment Number: 115722

SCHEDULE A

1. Commitment Date: February 29, 2024 at 07:00 AM

2. Policy (or Policies) to be issued: Amount

   (a) Owner's Policy (ALTA Own. Policy (10/17/92))
   Proposed Insured:

   (b) Loan Policy (ALTA Loan Policy (10/17/92))
   Proposed Insured:

3. Fee Simple interest in the land described in this Commitment is owned, at the Commitment Date, by TOWN OF ELIZABETH, A COLORADO MUNICIPAL CORPORATION.

4. The land referred to in the Commitment is described as follows:
   SEE EXHIBIT A ATTACHED HERETO

Elbert County Abstract & Title Company

By: Rosalie Sisneros
Elbert County Abstract & Title Company

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AMERICAN LAND TITLE ASSOCIATION

ALLIANT NATIONAL TITLE INSURANCE COMPANY

Commitment Number: 115722

EXHIBIT A
PROPERTY DESCRIPTION

The land referred to in this Commitment is described as follows:

DESCRIPTION NO. 1

LOTS 2,3,4,5 AND 6,
BLOCK 13,
PHILLIPS ADDITION TO ELIZABETH,
COUNTY OF ELBERT,
STATE OF COLORADO

AND

DESCRIPTION NO. 2

A TRACT OF LAND SITUATED IN SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH P.M., TOWN OF ELIZABETH, ELBERT COUNTY COLORADO MORE PARTICULARLY DESCRIBED AS FOLLOWS:
BEGINNING AT THE SOUTHEAST CORNER OF LOT 6, BLOCK 13, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH;
THENCE N 09°03'56" W ALONG THE EAST BOUNDARY OF PHILLIPS ADDITION A DISTANCE OF 166.70 FEET TO THE SOUTHEAST CORNER OF LOT 1, BLOCK 13;
THENCE N 80°55'54" E A DISTANCE OF 125.97 FEET TO THE EAST LINE OF THE FORMER COLORADO AND SOUTHERN RAILROAD RIGHT OF WAY;
THENCE S 04°45'51" E ALONG SAID EAST LINE A DISTANCE OF 167.17 FEET TO THE NORTH LINE OF SPRUCE STREET;
THENCE S 80°56'04" W ALONG SAID NORTH LINE A DISTANCE OF 113.43 FEET TO THE POINT OF BEGINNING;
EXCEPTING THAT PORTION DEEDED TO THE TOWN OF ELIZABETH BY DEED RECORDED APRIL 22, 1998 AT RECEPTION NO. 364740;

COUNTY OF ELBERT,
STATE OF COLORADO

ALLIANT NATIONAL TITLE INSURANCE COMPANY

Commitment Number: 115722

SCHEDULE B - SECTION I
REQUIREMENTS

The following requirements must be met:

a. Pay the agreed amounts for the interest in the land and/or the mortgage to be insured.

b. Pay us the premiums, fees and charges for the policy.

c. Documents satisfactory to us creating the interest in the land and/or the mortgage to be insured must be signed, delivered and recorded.

d. You must tell us in writing the name of anyone not referred to in this Commitment who will get an interest in the land or who will make a loan on the land. We may then make additional requirements or exceptions.

1. NONE:

NOTE: THIS COMMITMENT IS FOR INFORMATIONAL PURPOSES ONLY AND LIABILITY IS LIMITED TO THE AMOUNT OF THE PREMIUM.

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AMERICAN LAND TITLE ASSOCIATION

ALLIANT NATIONAL TITLE INSURANCE COMPANY

Commitment Number: 115722

SCHEDULE B - SECTION II
EXCEPTIONS

Any policy we issue will have the following exceptions unless they are taken care of to our satisfaction.

1. RIGHT OR CLAIMS OF PARTIES IN POSSESSION NOT SHOWN BY THE RECORDS.

2. EASEMENTS, OR CLAIMS OF EASEMENTS, NOT SHOWN BY THE PUBLIC RECORDS.

3. DISCREPANCIES, CONFLICTS IN BOUNDARY LINES, SHORTAGE IN AREA, ENCROACHMENTS, AND ANY FACTS WHICH A CORRECT SURVEY AND INSPECTION OF THE LAND WOULD DISCLOSE, AND WHICH ARE NOT SHOWN BY THE PUBLIC RECORDS.

4. ANY LIEN, OR RIGHT TO A LIEN, FOR SERVICES, LABOR OR MATERIAL HERETOFORE OR HEREAFTER FURNISHED, IMPOSED BY LAW AND NOT SHOWN BY THE PUBLIC RECORDS.

5. DEFECTS, LIENS, ENCUMBRANCES, ADVERSE CLAIMS OR OTHER MATTERS, IF ANY, CREATED, FIRST APPEARING IN THE PUBLIC RECORDS OR ATTACHING SUBSEQUENT TO THE EFFECTIVE DATE HEREOF BUT PRIOR TO THE DATE THE PROPOSED INSURED ACQUIRES OF RECORD FOR VALUE THE ESTATE OR INTEREST OR MORTGAGE THEREON COVERED BY THIS COMMITMENT.

6. UNPATENTED MINING CLAIMS; RESERVATIONS OR EXCEPTION IN PATENTS OR IN ACTS AUTHORIZING ISSUANCE THEREOF.

   NOTICE: PURSUANT TO SECTION 10-11-122 OF THE COLORADO REVISED STATUTES, 1987, THE COMPANY IS REQUIRED TO DISCLOSE THE FOLLOWING INFORMATION:

   (A) THE SUBJECT PROPERTY MAY BE LOCATED IN A SPECIAL TAXING DISTRICT.

   (B) A CERTIFICATE OF TAXES DUE LISTING EACH TAXING JURISDICTION MAY BE OBTAINED FROM THE COUNTY TREASURER OR THE COUNTY TREASURERS'S AUTHORIZED AGENT.

   (C) INFORMATION REGARDING SPECIAL DISTRICTS AND THE BOUNDARIES OF SUCH DISTRICTS MAY BE OBTAINED FROM THE BOARD OF COUNTY COMMISSIONERS, THE COUNTY CLERK AND RECORDER OR THE COUNTY ASSESSOR.

7. ANY AND ALL WATER RIGHTS, CLAIMS, OR TITLE TO WATER.

8. TAXES FOR THE YEAR 2023, A LIEN NOW DUE AND PAYABLE.

9. ANY QUESTION AS TO THE EXACT SIZE AND LOCATION OF SUBJECT PROPERTY.
   NOTE: THIS EXCEPTION IS NECESSARY BECAUSE THE PLAT DOES NOT GIVE THE EXACT DIMENSIONS OF ALL LOTS.

10. FENCES AND FENCE LOCATIONS BEING CONSIDERED THE PROPERTY BOUNDARY LINES OF SUBJECT PROPERTY OR OF THE ADJOINING PROPERTIES, AND ANY QUESTION, DISPUTE OR LITIGATION AS TO THE EXACT LOCATION OF SUBJECT PROPERTY BOUNDARY LINES.

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AMERICAN LAND TITLE ASSOCIATION

Commitment Number: 115722

SCHEDULE B - SECTION II
Continued)

11. FENCE LINES, POWER LINE, WATER TANK AND CATV AS SHOWN ON LAND SURVEY PLAT BY DAVID E. ARCHER & ASSOCIATES, DEPOSITED SEPTEMBER 26, 2022 AT RECEPTION NO. 220614.

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AMERICAN LAND TITLE ASSOCIATION

2. If all of the Schedule B, Part I—Requirements have not been met within the time period specified in the Commitment to Issue Policy, this Commitment terminates and the Company's liability and obligation end.

3. The Company's liability and obligation is limited by and this Commitment is not valid without:
   a. the Notice;
   b. the Commitment to Issue Policy;
   c. the Commitment Conditions;
   d. Schedule A;
   e. Schedule B, Part I—Requirements; and
   f. Schedule B, Part II—Exceptions; and
   g. a counter-signature by the Company or its issuing agent that may be in electronic form.

4. COMPANY'S RIGHT TO AMEND
   The Company may amend this Commitment at any time. If the Company amends this Commitment to add a defect, lien, encumbrance, adverse claim, or other matter recorded in the Public Records prior to the Commitment Date, any liability of the Company is limited by Commitment Condition 5. The Company is not liable for any other amendment to this Commitment.

5. LIMITATIONS OF LIABILITY
   a. The Company's liability under Commitment Condition 4 is limited to the Proposed Insured's actual expense incurred in the interval between the Company's delivery to the Proposed Insured of the Commitment and the delivery of the amended Commitment, resulting from the Proposed Insured's good faith reliance to:
      i. comply with the Schedule B, Part I—Requirements;
      ii. eliminate, with the Company's written consent, any Schedule B, Part II—Exceptions; or
      iii. acquire the Title or create the Mortgage covered by this Commitment.
   b. The Company is not liable under Commitment Condition 5.a. if the Proposed Insured requested the amendment or had Knowledge of the matter and did not notify the Company about it in writing.
   c. The Company is only liable under Commitment Condition 4 if the Proposed Insured would not have incurred the expense had the Commitment included the added matter when the Commitment was first delivered to the Proposed Insured.
   d. The Company's liability does not exceed the lesser of the Proposed Insured's actual expense incurred in good faith and described in Commitment Condition 5.a. or the Proposed Amount of Insurance.
   e. The Company is not liable for the content of the Transaction Identification Data, if any.
   f. The Company is not obligated to issue the Policy referred to in this Commitment unless all of the Schedule B, Part I—Requirements have been met to the satisfaction of the Company.
   g. The Company's liability is further limited by the terms and provisions of the Policy to be issued to the Proposed Insured.

6. LIABILITY OF THE COMPANY MUST BE BASED ON THIS COMMITMENT; CHOICE OF LAW AND CHOICE OF FORUM
   a. Only a Proposed Insured identified in Schedule A, and no other person, may make a claim under this Commitment.
   b. Any claim must be based in contract under the State law of the State where the Land is located and is restricted to the terms and provisions of this Commitment. Any litigation or other proceeding brought by the Proposed Insured against the Company must be filed only in a State or federal court having jurisdiction.
   c. This Commitment, as last revised, is the exclusive and entire agreement between the parties with respect to the subject matter of this Commitment and supersedes all prior commitment negotiations, representations, and proposals of any kind, whether written or oral, express or implied, relating to the subject matter of this Commitment.
   d. The deletion or modification of any Schedule B, Part II—Exception does not constitute an agreement or obligation to provide coverage beyond the terms and provisions of this Commitment or the Policy.
   e. Any amendment or endorsement to this Commitment must be in writing and authenticated by a person authorized by the Company].
   f. When the Policy is issued, all liability and obligation under this Commitment will end and the Company's only liability will be under the Policy.

7. IF THIS COMMITMENT IS ISSUED BY AN ISSUING AGENT
   The issuing agent is the Company's agent only for the limited purpose of issuing title insurance commitments and policies. The issuing agent is not the Company's agent for closing, settlement, escrow, or any other purpose.

8. PRO-FORMA POLICY
   The Company may provide, at the request of a Proposed Insured, a pro-forma policy illustrating the coverage that the Company may provide. A pro-forma policy neither reflects the status of Title at the time that the pro-forma policy is delivered to a Proposed Insured, nor is it a commitment to insure.

9. CLAIMS PROCEDURES
   This Commitment incorporates by reference all Conditions for making a claim in the Policy to be issued to the Proposed Insured. Commitment Condition 9 does not modify the limitations of liability in Commitment Conditions 5 and 6.

This page is only a part of a 2021 ALTA Commitment for Title Insurance issued by Alliant Nation Title Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I—Requirements; and Schedule B, Part II—Exceptions; and a counter-signature by the Company or its issuing agent that may be in electronic form.

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10. CLASS ACTION
ALL CLAIMS AND DISPUTES ARISING OUT OF OR RELATING TO THIS COMMITMENT, INCLUDING ANY SERVICE OR OTHER MATTER IN CONNECTION WITH ISSUING THIS COMMITMENT, ANY BREACH OF A COMMITMENT PROVISION, OR ANY OTHER CLAIM OR DISPUTE ARISING OUT OF OR RELATING TO THE TRANSACTION GIVING RISE TO THIS COMMITMENT, MUST BE BROUGHT IN AN INDIVIDUAL CAPACITY. NO PARTY MAY SERVE AS PLAINTIFF, CLASS MEMBER, OR PARTICIPANT IN ANY CLASS OR REPRESENTATIVE PROCEEDING. ANY POLICY ISSUED PURSUANT TO THIS COMMITMENT WILL CONTAIN A CLASS ACTION CONDITION.

11. ARBITRATION
The Policy contains an arbitration clause. All arbitrable matters when the Proposed Amount of Insurance is $2,000,000 or less may be arbitrated at the election of either the Company or the Proposed Insured as the exclusive remedy of the parties. A Proposed Insured may review a copy of the arbitration rules at http://www.alta.org/arbitration.

Countersigned:
The Elbert County Abstract & Title Company
305 Comanche Street
P.O. Box 38
Kiowa, CO 80117

BY: _____
Authorized Agent or Officer

ALLIANT NATIONAL TITLE INSURANCE COMPANY

By: _____ President

Attest: _____ Secretary

This page is only a part of a 2021 ALTA Commitment for Title Insurance issued by Alliant Nation Title Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I—Requirements; and Schedule B, Part II—Exceptions; and a countersignature by the Company or its issuing agent that may be in electronic form.

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DISCLOSURES

NOTE: Pursuant to C.R.S. §10-11-122, for each Commitment for an Owner's Policy of Title Insurance pertaining to the sale of residential real property, notice is hereby given that:
A) The subject real property may be located in a special taxing district.
B) A Certificate of Taxes Due listing each taxing jurisdiction will be obtained from the County Treasurer or the County Treasurer's authorized agent unless the proposed insured provides written instructions to the contrary.
C) Information regarding special districts and the boundaries of such districts may be obtained from the Board of County Commissioners, the County Clerk and Recorder, or the County Assessor.
D) The company will not issue its policy of policies of title insurance contemplated by the commitment until it has been provided a Certificate of Taxes due from the County Treasurer or the County Treasurer's authorized agent; or until the Proposed Insured has notified or instructed the company in writing to the contrary.

NOTE: Pursuant to C.R.S. §10-11-123, for each Commitment for an Owner's Policy of Title Insurance containing a mineral severance instrument exception or exceptions in Schedule B, Section 2, notice is hereby given that:
A) There is recorded evidence that a mineral estate has been severed, leased, or otherwise conveyed from the surface estate and that there is a substantial likelihood that a third party holds some or all interest in oil, gas, other minerals, or geothermal energy in the property; and
B) Such mineral estate may include the right to enter and use the property without the surface owner's permission.

NOTE: Pursuant to Colorado Division of Insurance Regulation 8-1-2, notice is hereby given that affirmative mechanic's lien protection for the prospective insured owner may be available upon compliance with the following conditions:
A. The land described in Schedule A of this Commitment must be a single family residence, which includes a condominium or townhouse unit.
B. No labor or materials may have been furnished by mechanics or materialmen for purposes of construction on the land described in Schedule A of this Commitment within the past 6 months.
C. The Company must receive appropriate affidavits indemnifying the Company against all unfiled mechanic's and materialmen's liens.
D. Any deviation from conditions A through C above is subject to such additional requirements or information as the Company may deem necessary; or, at its option, the Company may refuse to delete the exception.

No coverage will be given under any circumstances for labor or material for which the insured has contracted for or agreed to pay.

NOTE: Pursuant to Colorado Division of Insurance Regulation 8-1-2, notice is hereby given that every title insurance company shall be responsible to the proposed insured(s) subject to the terms and conditions of the title insurance commitment, other than the effective date of the title insurance commitment, for all matters which appear of record prior to the time of recording whenever the title insurance company, or its agent, conducts the closing and settlement service that is in conjunction with its issuance of an owner's policy of title insurance and is responsible for the recording and filing of legal documents resulting from the transaction which was closed.

NOTE: Pursuant to Colorado Division of Insurance Regulation 8-1-3, notice is hereby given of the availability of a Closing Protection Letter which may, upon request, be provided to certain parties to the transaction

NOTE: C.R.S. §30-10-406 requires that all documents received for recording or filing in the clerk and recorder's office shall contain a top margin of at least one inch and a left, right, and bottom margin of at least one half of an inch. The clerk and recorder may refuse to record or file any document that does not conform, except that, the requirement for the top margin shall not apply to documents using forms on which space is provided for recording or filing information at the top margin of the document.

NOTE: Pursuant to C.R.S. §38-35-125(2), no person or entity that provides closing and settlement services for a real estate transaction shall disburse funds as a part of such services until those funds have been received and are available for immediate withdrawal as a matter of right.

NOTE: If the transaction includes a sale of the property and the price exceeds $100,000.00, the seller must comply with the disclosure/withholding provisions of C.R.S. §39-22-604.5 (Nonresident withholding).

NOTE: C.R.S. §39-14-102 requires that a real property transfer declaration accompany any conveyance document presented for recordation in the State of Colorado. Said declaration shall be completed and signed by either the grantor or grantee.

Nothing herein contained will be deemed to obligate the company to provide any of the coverages referred to herein unless the above conditions are fully satisfied.

ALLIANT NATIONAL
TITLE INSURANCE COMPANY

PRIVACY POLICY

PURPOSE OF NOTICE

Alliant National Title Insurance Company respects the privacy of our customers' personal information, so we want you to know the ways in which we may collect and use non-public personal information, also known as personally identifiable information (NPI/PII). The "transactions" which we refer to below are those transactions which are related to our business of title insurance, including the issuance of title insurance policies and the handling of claims. Our practices and policies are set out in this notice.

Types of Information We May Collect

In the course of our business, the types of personal information that we may collect about you include:

- Information we receive from you or your authorized representative on applications and forms, and in other communications to us
- Information about your transactions with us, our affiliated companies, or others
- Information from consumer or other reporting agencies
- Information that we receive from others involved in your transaction, such as from a real estate agent or lender.

Use and Disclosure Information

We use your information to provide the product or service you or your authorized agent have requested of us. We may disclose information to our affiliated companies and nonaffiliated third parties as necessary to service your transaction, to protect against fraudulent or criminal activities, when required to do so by law, and as otherwise permitted by law.

We do not share any personal information we collect from you with nonaffiliated third parties for their own use.

Protection of Your Personal Information

We restrict access to personal information about you to those employees who need to know that information in order to provide products and services to you or for other legitimate business purposes. We maintain physical, electronic and procedural safeguards to protect your personal information from unauthorized access or intrusion.

Changes

This notice may be revised in accordance with applicable privacy laws.

How to Contact Us

If you have any question or concerns regarding this Privacy Policy, please contact our National Operations Center (NOC) at noc@alliantnational.com, or (303) 682-9800 ext. 100.

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ATTACHMENT B

TOWN OF ELIZABETH

MICHAEL DEVOL/PUBLIC WORKS DIRECTOR

TO: Mayor, Mayor Pro-Tem, Town board of Trustees
FROM: Mike DeVol, Public Works Director
DATE: February 4, 2025
SUBJECT: Depot Parking Lot

Public Works has been involved since the early stages of the Depot Parking Lot when it was the conceptual 444 Parking Lot and to what is now the exchange of property frontage for more property for the Depot Parking Lot. Public Works has worked with Terracina in all aspects of design, drainage, lighting, accessibility, water sewer design, landscaping, and possible snow storage when needed. During the streetscape project Public Works installed domestic water, fire line tap stub, and sewer service stub and a CDPHE water sampling station. Public Works has also installed a water service line and meter pit into the Depot Lot and when that portion of the street scaping is underway Public Works will tie that water service into Main Street while concrete is being replaced. Public Works Approves the land exchange and Depot Parking Lot for the Town of Elizabeth.

Mike DeVol
Town of Elizabeth
Public Works Director
GCWWTP Operations
303-913-6453
mdevol@townofelizabeth.org

Elizabeth Fire Protection District

P.O. Box 441
155 W Kiowa Ave.
Elizabeth, Colorado
80107

Phone: 303-646-3800
Fax: 303-688-6994
Email: kara@elizabethfire.com
Website: https://www.elizabethfire.com

Division Chief of Administration
and Prevention

Date 1/31/2025

Applicant	Town of Elizabeth
Applicant Address	PO Box 159 Elizabeth, CO 80107
Project	Main Street Depot
Project Address	Spruce Street
Plans Dated	1/17/2025
Review Number	2
Plan Review Fee	0.00

Approved ☑ **Needs Changes** ☐ **Rejected** ☐

A review was conducted on the submitted plans for the above location based on the adopted codes and standards below.

☑ 2018 International Codes and Adopted Standards
☐ 2021 International Codes and Adopted Standards

Reviewed By: Kara Gerczynski Signature: _____
Title: Division Chief/Fire Marshal

RESPONSE TO PLAN REVIEW COMMENTS AND INSPECTION REQUESTS

Please read this document in its entirety. The contractor and/or applicant is responsible for compliance with all requests, comments, applicable codes, ordinance or policy of the fire department. All comments shall be addressed in writing. If plans are rejected, additional review fees may be charged. If changes are needed, additional submittals may be required.

Conditions found, or other data collected or submitted, shall not prevent the fire code official from requiring correction of errors found.

Inspections are required to be requested on our website at www.elizabethfire.com or phoned in by 4:00 p.m. at 303-646-3800 the day before the day you wish the inspection.

NOTE: ALL INSPECTION TIMES ARE SUBJECT TO INSPECTOR AVAILABILITY

After hour inspections can be scheduled for additional fees. All review and inspection fees are due at the time of review pick-up. Fees schedules are located on our website at www.elizabethfire.com

Section 1

BUILDING INFORMATION

Building Square Footage: 130 Sq. Ft
Type of Construction: _____

Section 2

Fire Service Features

FIRE SERVICE WATER SUPPLY

Required Fire Flow:

Fire flow: N/A
Duration: _____
Total Capacity: _____
Sprinklered Building reduction: _____

Fire Hydrant Location and Distribution:

Number of Fire Hydrants: 1
Average Spacing: _____

FIRE SERVICE ACCESS

Width and Surface:

	Approved	Rejected	N/A
Width:	☑	☐	☐
Length:	☑	☐	☐
Turn-around:	☑	☐	☐
Surface:	☑	☐	☐
Premises Identification:	☑	☐	☐
Key Boxes:	☐	☐	☑
Radio coverage:	☐	☐	☑

Additional Comments:

The town shall have signage at the entrance to the parking lot to identify Main Street Station for immediate emergency response.

Commercial building plans need to be submitted to this office for review. An Impact Fee Agreement needs to be signed before recordation of site plan. The required fire department access and fire hydrants shall be installed and approved prior to construction beginning above foundation level or the moving of combustible materials onto the construction site.

TOWN OF ELIZABETH

PO Box 159, 151 S. Banner Street ▪ Elizabeth CO 80107 ▪ 303-646-4166 x4

REFERRAL AGENCY REVIEW FORM

Project Title:	**Main Street Depot – Minor Development & Site Plan**
Description:	Replat consisting of 3 lots; site plan for a parking lot and restroom facility
Review Sent Date:	1/22/2025 **Review Due by:** 1/24/2025

REFERRAL AGENCY	**Stolfus and Associates**
Contact Name	**Max Rusch**
Contact Email and Phone Number	**max@stolfusandassociates.com 303-221-2330**

COMMENTS:

The last round of comments were adequately addressed. As such, there are no further comments.

TOWN OF ELIZABETH

PO Box 159, 151 S. Banner Street ▪ Elizabeth CO 80107 ▪ 303-646-4166 x4

REFERRAL AGENCY REVIEW FORM

Project Title:	**Main Street Depot – Minor Development & Site Plan**
Description:	Replat consisting of 3 lots; site plan for a parking lot and restroom facility
Review Sent Date:	12/2/2024 **Review Due by:** 12/23/2024

REFERRAL AGENCY	**Elbert County Planning Department**
Contact Name	**Danny Klibaner**
Contact Email and Phone Number	**Danny.klibaner@ElbertCounty-co.gov**

COMMENTS:

No objections.

From:	Brooks Kaufman
To:	Alexandra Cramer
Subject:	RE: Review Needed - Main Street Depot Minor Development & Site Plan
Date:	Tuesday, February 4, 2025 11:01:25 AM
Attachments:	image002.png image003.png image004.png image005.png image006.png image007.png image009.png image010.png

---

Alexandra

CORE approves the revisions. Thank you

Brooks Kaufman
Lands and Rights of Way Manager

800.332.9540 **MAIN**
720.733.5493 **DIRECT**
303.912.0765 **MOBILE**

www.core.coop.





Book time to meet with me

From: Alexandra Cramer <acramer@townofelizabeth.org>
Sent: Tuesday, February 4, 2025 10:48 AM
To: Brooks Kaufman <BKaufman@core.coop>
Subject: RE: Review Needed - Main Street Depot Minor Development & Site Plan

[CAUTION:] This email is from an external source. Avoid clicking links or opening attachments unless you trust the sender and verify the content's safety.

Hi Brooks,

Could you let me know if this meets your requirements? The Town engineer has added all of the easements you gave us as existing, and the new easement is shown. We are still finalizing the new easement by separate document but will add that info to the plat

ATTACHMENT C

PUBLISHER'S AFFIDAVIT

STATE OF COLORADO)
) ss.
COUNTY OF ELBERT)

I, Nikki Lister, do solemnly affirm that I am the Publisher of RANCHLAND NEWS; that the same is a weekly newspaper published at Simla, County of Elbert, State of Colorado, and has a general circulation therein; that said newspaper has been continuously and uninterruptedly published in said County of Elbert for a period of at least 52 consecutive weeks next prior to the first publication of the annexed notice, that said newspaper is entered in the post office at Calhan, Colorado as second class mail matter and that said newspaper is a newspaper within the meaning of the Act of the General Assembly of the State of Colorado, approved March 30, 1923, and entitled "Legal Notices and Advertisements," with other Acts relating to the printing and publishing of legal notices and advertisements. That the annexed notice was published in the regular and entire issue of said newspaper, once each week for one successive weeks; that the first publication of said notice was in the Issue of said newspaper dated;

January 16, 2025

and the last publication of said notice was in the issue of said newspaper dated;

January 16, 2025

and that copies of each number of said paper in which said notice and/or list was published were delivered by carriers or transmitted by mail to each of the subscribers of said newspaper, Ranchland News, according to the accustomed mode of business in this office.

Nikki Lister

Publisher

The above certificate of publication was subscribed and affirmed to before me, a Notary Public, to be the identical person described in the above certificate, on the

16 day of January, 2025

Jennifer Lister

Notary Public

February 20, 2028

(My Notary Public Commission Expiration Date)

JENNIFER LISTER
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20244007249
MY COMMISSION EXPIRES FEBRUARY 20, 2028

NOTICE OF PUBLIC HEARINGS

Notice is hereby given that the Planning Commission and Board of Trustees shall hold public hearings concerning a replat application for the project known as Bulmer Filing No. 1 located on property described in Exhibit A and a site plan application for the project known as The Depot on Main Street located on property described in Exhibit B and generally located at the northeast corner of S Main Street and Spruce Street pursuant to the Town of Elizabeth Land Development Ordinance.

The public hearings are to be held before the Planning Commission on February 4, 2025 at 6:30 p.m. and Board of Trustees on February 11, 2025 at 7:00 p.m., or as soon as possible thereafter. The public hearings shall be held in the Town Hall, 151 South Banner Street, Elizabeth, Colorado, or at such other time or place in the event this hearing is adjourned. Further information is available through the Town Community Development Department at 303-646-4166 x4.

ALL INTERESTED PERSONS MAY ATTEND

EXHIBIT A (legal description)

A replat of Lots 5 and 6, Block 3 and Lots 1-6, Inclusive, Block 13, and a part of the northeast quarter of Section 18, Township 8 South, Range 64 West of the 6th P.M., Town of Elizabeth, County of Elbert, State of Colorado

EXHIBIT B (legal description)

Lots 2-6 of Block 13, situated in the northeast quarter of Section 18, Township 8 South, Range 64 West of 6th P.M., Town of Elizabeth, County of Elbert, State of Colorado

Published January 16, 2025
In Ranchland News
Legal No. 20

NOTICE OF PUBLIC HEARINGS

Notice is hereby given that the property upon which this sign is posted shall be considered at public hearings for a replat and a site plan application pursuant to the Town of Elizabeth Land Development Ordinance. The public hearings are to be held before the Planning Commission on February 4, 2025 at 6:30 pm and Board of Trustees on February 11, 2025 at 7:00 pm, or as soon as possible thereafter.

The public hearings shall be held in Chambers for the Town of Elizabeth.

Further information is available through the Town Community Development Department at (303) 646-4166.

ALL INTERESTED PERSONS MAY ATTEND.


R108549
R108544
R108548
R108547
R118191
R114913
R114912
R114911
R108541
R108542
R108543
R108539
R108540
R108578
R108530
R108535
R108537
R116882
R116881
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Page 258

Dear Neighbor,

The Town of Elizabeth is submitting a replat and site plan application for the Main Street Depot project, located at the northeast corner of South Main Street and Spruce Street in Elizabeth. The replat application involves dividing approximately 3 acres of downtown property into three lots: one for the existing Carriage Shoppes, one for future commercial development with Main Street frontage, and one for a public parking facility adjacent to Running Creek Park. The Town of Elizabeth is partnering as a co-applicant for this project.

The proposed site plan includes the development of a 116-space public parking facility, which will feature public restrooms and enhanced pedestrian connections to both Running Creek Park and downtown. The parking facility will have two access points from Main Street and Spruce Street to ensure efficient circulation.

Public hearings for the replat and site plan applications will be held as follows:

- **Planning Commission**: February 4, 2025, at 6:30 p.m.
- **Board of Trustees**: February 11, 2025, at 7:00 p.m. or soon thereafter.

Both hearings will take place at the Town Hall, 151 South Banner Street, Elizabeth, Colorado. For more information, please contact the Town of Elizabeth Community Development Department at 303-646-4166.

We invite you to attend the public hearings and share your thoughts.

Sincerely,

The Town of Elizabeth

ELIZABETH PRESBYTERIAN CHURCH
PO BOX 117
ELIZABETH CO 80107-0117

FUGETT DEAN A
1258 N HUNT CLUB DR
HERNANDO FL 34442

FUGETT C JANE
1258 N HUNT CLUB DR
HERNANDO FL 34442

TOWN OF ELIZABETH
151 BANNER ST
ELIZABETH CO 80107

HALBROOK ALICE F
1752 PRIVATE RD 130
ELIZABETH CO 80107

SCHRODER MICHAEL LEE
18473 W MARCONI AVE
SURPRISE AZ 85388

MICHAEL AND KATHLEEN BLACKBURN FAMILY TRUST
2242 ANTELOPE CIR
ELIZABETH CO 80107

MICHAEL AND KATHLEEN BLACKBURN FAMILY TRUST
2242 ANTELOPE CIR
ELIZABETH CO 80107

232 MAIN STREET LLC
232 MAIN S MAIN ST
ELIZABETH CO 80107

JOHN AND JANET TAYLOR LIVING TRUST (THE)
245 ROCKY CLIFF ROAD
ELIZABETH CO 80107

EVELETH STEVEN GEORGE
324 E ELM ST
ELIZABETH CO 80107

STRUTHERS JEFF PHOTOGRAPHY LLC
33252 COUNTY RD 73
KIOWA CO 80117

HUBBS JAMES E
349 E ELM STREET
ELIZABETH CO 80107

HUBBS MARC E
349 E ELM STREET
ELIZABETH CO 80107

BLODIG DENISE
367 SANDY HOLLOW TRAIL
FRANKTOWN CO 80116

SAAVEDRA LINDSAY LEIGH
375 SOUTH MAIN ST
ELIZABETH CO 80107

COWLEY ROBERT R
40900 WIND SPIRIT LN
PARKER CO 801384758

TOWN OF ELIZABETH COLORADO
425 MAIN ST
ELIZABETH CO 80107

SCHAUER CHRISTINA
459 S BANNER ST
ELIZABETH CO 80107

SILVERMAN SYRINA HALEN
459 S BANNER ST
ELIZABETH CO 80107

MANZANARES EDWINA T
481 SOUTH BANNER ST
ELIZABETH CO 80107

BULMER DONALD S
5120 SILVER HARE LN
CASTLE ROCK CO 80104

BULMER LINDA M
5120 SILVER HARE LN
CASTLE ROCK CO 80104

FLEMING ERIC W
5120 SILVER HARE LN
CASTLE ROCK CO 80104

FLEMING JENNIFER R
5120 SILVER HARE LN
CASTLE ROCK CO 80104

SIMMONS JULIE ANNE
523 S MAIN ST
ELIZABETH CO 80107

STRAND SAMUEL
5367 S BOSTON ST
GREENWOOD VILLAGE CO 801113440

STRAND ANNE
5367 S BOSTON ST
GREENWOOD VILLAGE CO 801113440

MAIN STREET STATION ELIZABETH LLC
5369 GRAND FIR WAY
PARKER CO 80134

FORSYTH BONNIE
577 S MAIN ST
ELIZABETH CO 80107

CORDOVA STEVEN A SR
624 S BANNER ST
ELIZABETH CO 80107

CORDOVA CHERYL L
624 S BANNER ST
ELIZABETH CO 80107

BULMER DONALD
7814 LOST LAKE DR
FRANKTOWN CO 80116

BULMER LINDA M
7814 LOST LAKE DRIVE
FRANKTOWN CO 80116

PRICKLY PEAR INVESTMENTS LLC
8034 HOMESTEAD RD
PARKER CO 80138

MKN LLC, C/O MIKE NAUGHTON
8521 E ILIFF DR
DENVER CO 80246

BONNIE RAY WILKINSON FAMILY TRUST
8983 APACHE PLUME DR. UNIT D
PARKER CO 801345569

EVANGEL PARTNERS LLC
PO BOX 1011
ELIZABETH CO 80107

ELIZABETH PRESBYTERIAN CHURCH
PO BOX 117
ELIZABETH CO 80107-0117

HUNTER PAUL W
PO BOX 1268
ELIZABETH CO 80107

WENDLER JOEL
PO BOX 1357
ELIZABETH CO 80107

WENDLER LAURA
PO BOX 1357
ELIZABETH CO 80107

TOWN OF ELIZABETH
PO BOX 159
ELIZABETH CO 80107

CARLSON ANDREW JOHN
PO BOX 1734
PARKER CO 801341405

KENNETH AND JULIE UHERNIK TRUST
PO BOX 1802
ELIZABETH CO 80107

GERONDALE GARRY
PO BOX 1835
ELIZABETH CO 801071835

GERONDALE TONYA
PO BOX 1835
ELIZABETH CO 801071835

MUZEK BUCK MAUREEN
PO BOX 1838
ELIZABETH CO 80107

ELIZABETHS OLDE HOTEL SQUARE LLC
PO BOX 1947
ELIZABETH CO 80107-1947

WAGNER GENEVIEVE M.A.
PO BOX 1981
ELIZABETH CO 80107

WAGNER GEOFFREY A
PO BOX 1981
ELIZABETH CO 80107

WHITE RACHEL LEE
PO BOX 2614
ELIZABETH CO 80107

CONNIE DEAN LEHMAN TRUST
PO BOX 281
ELIZABETH CO 80107

JEFFREY W LEHMAN TRUST
PO BOX 281
ELIZABETH CO 80107

KRUEGER LINDA A
PO BOX 477
ELIZABETH CO 80107-0477

ELIZABETH SCHOOL DISTRICT
PO BOX 520
ELIZABETH CO 801070520

WAGNER MATTHEW G
PO BOX 863
ELIZABETH CO 80107

AMERICAN LEGION POST 82
PO BOX 865
ELIZABETH CO 80107

DYER STEPHEN E
PO BOX 937
PARKER CO 801340937

TO: Honorable Mayor and Board of Trustees
FROM: Alexandra Cramer, Planner/Project Manager
DATE: February 11, 2025
SUBJECT: Resolution 25R10

SUMMARY

The Town of Elizabeth has an opportunity to utilize $20,000 in DOLA Main Street mini-grant funds for a mural installation that will enhance the downtown corridor and create a lasting impact on Main Street. The project timeline aligns with grant requirements, and property owner approval has been secured. Staff is requesting approval of Resolution 25R10 to proceed with this project.

BACKGROUND

The Town of Elizabeth has been awarded $20,000 in mini-grant funds through the DOLA Main Street program. These funds must be expended by June 2025. The Main Street Board has identified a mural project on the Oddfellows building, located at the intersection of CO-86 and Main Street, as an impactful use of these funds.

Property owners Brandon and Aleta Jeffress have provided approval for the mural installation. The Main Street Board will discuss design themes and concepts at their February 10th meeting. Following BOT approval, the artist selection process will begin in March, with installation planned for May to ensure completion by the June grant deadline. The grant funding will cover artist fees, materials, site preparation, and installation costs.

STAFF RECOMMENDATION

Staff recommends approval of Resolution 25R10, authorizing the Mayor to execute the Main Street Mini-Grant Project Proposal.

ATTACHMENT(S)

Resolution 25R10
Main Street Mini-Grant Project Proposal

RESOLUTION 25R10

A RESOLUTION AUTHORIZING THE MAYOR TO EXECUTE A MAIN STREET MINI-GRANT PROJECT PROPOSAL THROUGH THE DOLA MAIN STREET PROGRAM

WHEREAS, the Town of Elizabeth has been awarded $20,000 in mini-grant funds through the DOLA Main Street program; and

WHEREAS, the Main Street Board proposes to utilize these funds for a mural project on 122 S Main Street, Elizabeth, Colorado 80107.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF ELIZABETH, COLORADO AS FOLLOWS:

SECTION 1. The Board of Trustees hereby authorizes the Mayor to execute the Main Street Mini-Grant Project Proposal.

PASSED, APPROVED, and ADOPTED this 11th day of February 2025, by the Board of Trustees of the Town of Elizabeth, Colorado, on first and final reading, by a vote of _____ for and _____ against.

_____
Angela Ternus, Mayor

ATTEST:

_____
Michelle M. Oeser, Town Clerk

MAIN STREET MINI-GRANT: PROJECT PROPOSAL

Town of Elizabeth

City or Town

Alexandra Cramer | Planner/Project Manager

Principal Representative/Main Street Manager | Title

acramer@townofelizabeth.org | 303-646-4166 ext. 503

Email | Phone

Patrick Davidson | Town Administrator

Responsible Administrator (from Local Government) | Title

pdavidson@townofelizabeth.org | 303-646-4166 ext. 504

Email | Phone

QUESTIONS

1. How is this project part of your transformational strategy? Is it included in your annual work plan?

This mural project aligns with our priorities to increase awareness of 80107 and Main Street by creating an eye-catching visual at a key downtown intersection. Installing public art on the Oddfellows building also demonstrates our commitment to encouraging investment in Main Street properties. The project will be added to our revised 2025 work plan to capture this opportunity.

2. In no more than 200 words, provide a brief description of the proposed project (scope of work), planned outcomes, and benefit to your downtown district.

The project will create a public art mural on the historic Oddfellows building at Highway 86 and Main Street. Town staff, in collaboration with the property owner, will oversee artist selection and facilitate theme development through our Main Street and Historic Advisory boards. The selected artist will develop three design concepts for public review this spring, followed by CDOT permitting and installation in late May when weather conditions are optimal.

The timing of this mural project is significant as it aligns with the completion of our major streetscape improvements and the Oddfellows building's upcoming transformation into a vibrant gathering space our downtown needs. This artistic addition will celebrate how far we've come with the streetscape project while pointing to the exciting changes ahead - both for this historic building and future development along Main Street. It will create an eye-catching gateway that shows our downtown isn't just preserving its historic character, but actively growing and evolving

BUDGET AND MATCHING FUNDS

Please contact DOLA staff if you believe a match waiver is merited.

Project Task/Item	Total Cost	DOLA Funds	Local Match
Artist Fee and Design Process	$15,000	$15,000	
Materials and Installation	$5,000	$5,000	
Totals:	$20,000	$20,000	

SIGNATURES

Chief Elected Official

Carrie Wedel

Local Main Street Chair/President

TO: Honorable Mayor, Mayor Pro Tem, and Board of Trustees
FROM: Patrick Davidson, Town Administrator
DATED: February 11, 2025
SUBJECT: Prohibition Against Public Camping

BACKGROUND
Challenges have been made through the Courts that local ordinances which prohibited public camping were a violation of the United States Constitution. Specifically, the argument was that the prohibition against public camping on public property was "cruel and unusual punishment" under the Eighth Amendment of the United States Constitution. This question was resolved by the United States Supreme Court in the case of City of Grants Pass, Oregon v. Johnson, 144 S. Ct. 2022 (June 28, 2024).

In the decision, the Supreme Court held that: (1) municipalities may impose criminal penalties for sleeping and camping outside, even when no shelter alternative is available, and (2) the Eighth Amendment *limits the types of punishment* a municipality may impose and has no relation to the *types of behavior* a municipality chooses to criminalize.

ANALYSIS
The Town of Elizabeth may, should it so choose, specifically prohibit public camping on public property.

STAFF RECOMMENDATION
The Town Attorney and Staff recommend that a specific ordinance be adopted to prohibit camping on public property.

BUDGET CONSIDERATIONS
N/A

ATTACHMENTS
An Ordinance Amending Section 11-6-90 of the Town of Elizabeth Municipal Code Regarding the Prohibition Against Public Camping.

ORDINANCE 25-03

AN ORDINANCE AMENDING SECTION 11-6-90 OF THE TOWN OF ELIZABETH MUNICIPAL CODE REGARDING THE PROHIBITION AGAINST PUBLIC CAMPING

BE IT ORDAINED BY THE BOARD OF TRUSTEES FOR THE TOWN OF ELIZABETH, COLORADO, THAT:

Section 1. Section 11-6-90 of the Elizabeth Municipal Code is hereby amended to read as follows:

Sec. 11-6-90. Camping on public property is prohibited.

(a) Legislative intent.

(1) To protect the public health, safety, and welfare of the Town and its residents by prohibiting undesirable activities or conduct on public property which may substantially interfere with the public's use and enjoyment of such public places.

(2) To allow for the removal of personal property reasonably believed to be the result of unauthorized camping upon reasonable and adequate notice and providing an opportunity for individuals to retrieve removed personal property upon request to the Town.

(b) In this Section, the following words and phrases shall have the meanings respectively ascribed to them as follows:

Camp means to reside or dwell temporarily in a place with shelter. The term *shelter* includes without limitation any tent, tarpaulin, lean-to, sleeping bag, bedroll, blankets, or any form of cover or protection from the elements other than clothing. The term *reside or dwell* includes without limitation conducting such activities as eating, sleeping, or the storage of personal possessions.

Personal property means any item that is reasonably recognizable as belonging to a person and that has apparent utility, including without limitation personal identification, eyeglasses, money, or jewelry.

Public place means any street, alley, sidewalk, pedestrian or transit mall, bike path, greenway, or any other structure or area encompassed within the public right-of-way; any park, parkway, mountain park, or other recreational facility; or any other grounds, buildings, or other facilities owned or leased by the Town or by any other public owner, regardless of whether such public property is vacant or occupied and actively used for any public purpose.

(c) It is unlawful for any person to camp upon any public property, except in a location where camping has been expressly allowed pursuant to a permit or as otherwise authorized by the Town.

(d) No officers of the Town of Elizabeth Police Department shall issue a citation, make an arrest, or otherwise enforce this Section against any person unless the officer orally requests or orders the person to refrain from the alleged violation of this Section and, if the person fails to comply after receiving the oral request or order, the officer tenders a written request or order to the person warning that if the person fails to comply the person may be cited or arrested for a violation of this Section.

(e) Cleanup of unauthorized camping sites. Upon violation of this Section, officers may remove and store all unclaimed personal property found at an unauthorized camping site. Illegal items, such as illicit drugs and any items that reasonably appear to be evidence of a crime, will be turned over to the appropriate law enforcement agency. Any items otherwise not regarded as having apparent utility or that are in an unsanitary condition will be immediately discarded. Removal of personal property under this Section shall be executed pursuant to the following procedure:

(1) At least seventy-two (72) hours prior to the proposed cleanup date, the Town will post a notice stating the date and time of the cleanup. The notice will be posted in the general vicinity of the personal property to be removed.

(2) In the event of the existence of a condition posing an imminent danger of damage or injury to or loss of life, limb, property or health, the Town shall provide a notice of cleanup no more than twenty-four (24) hours prior to the proposed cleanup date.

(3) Personal property removed from illegal camp sites shall be stored in a secure location and shall be held for a period of at least thirty (30) days from the date the cleanup occurred.

(4) After the thirty (30) day storage period elapses, unclaimed personal property will be disposed of by either discarding, recycling, or otherwise disposing of such items as determined by the Chief of Police.

Section 2. Severability. If any section, paragraph clause, or provision of this Ordinance shall for any reason be held to be invalid or unenforceable, the invalidity or enforceability of such section, paragraph, clause, or provision shall not affect any of the remaining provisions of this Ordinance, the intent being that the same are severable.

Section 3. The Board of Trustees hereby finds, determines, and declares that this Ordinance is promulgated under the general police power of the Town, that it is promulgated for the health, safety, and welfare of the public, and that this Ordinance is necessary for the preservation of health and safety and for the protection of public convenience and welfare. The

Board of Trustees further determines that the Ordinance bears a rational relation to the proper legislative objective sought to be attained.

Section 4. This Ordinance shall become effective thirty (30) days after publication.

Read and approved at a meeting of the Board of Trustees of the Town of Elizabeth, Colorado, this _____ day of _____, 2025.

Passed by a vote of _____ for and _____ against and ordered published.

_____
Angela Ternus, Mayor

ATTEST:

_____
Michelle M. Oeser, Town Clerk

TO: Honorable Mayor, Mayor Pro Tem, and Board of Trustees
FROM: Patrick Davidson, Town Administrator
DATED: February 11, 2025
SUBJECT: Ordinance Updating the Application of Burn Restrictions

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BACKGROUND
Section 10-5-210 of the Town Code addresses open fires and open burning restrictions. The Code makes specific reference to Elbert County Ordinance No. 06-01, and its three-stage restrictions as a template for the Town of Elizabeth. County Ordinance No. 06-01 was previously amended and updated, leaving gaps in the effectiveness of Section 10-5-210 of the Town Code.

The proposed amendment to Section 10-5-210 is designed to automatically update and remain current with Elbert County Fire Restrictions, as well as re-affirm the ability of the Elizabeth Board of Trustees to implement its own temporary restrictions.

ANALYSIS
The proposed amendment is designed to update and reflect the current health, safety, and welfare needs of the community by maintaining continuity of open fire and open burning restrictions within the Town of Elizabeth.

STAFF RECOMMENDATION
The Town Attorney and Town Staff recommend the proposed amendment to Section 10-5-210 of the Elizabeth Town Code.

BUDGET CONSIDERATIONS
N/A

ATTACHMENTS
An Ordinance Amending Section 10-5-21 of the Town of Elizabeth Municipal Code Updating the Application of County-Wide Burn Restrictions.

ORDINANCE 25-04

AN ORDINANCE AMENDING SECTION 10-5-210 OF THE TOWN OF ELIZABETH MUNICIPAL CODE UPDATING THE APPLICATION OF COUNTY-WIDE BURN RESTRICTIONS

BE IT ORDAINED BY THE BOARD OF TRUSTEES FOR THE TOWN OF ELIZABETH, COLORADO, THAT:

Section 1. Section 10-5-210 of the Elizabeth Municipal Code is hereby amended to read as follows:

Sec. 10-5-210. Open fire and open burning restrictions.

(a) Definitions. For purposes of this Section, the following terms shall have the following meanings:

Elbert County Fire Restrictions shall have those meanings as promulgated by Elbert County, as the same may be amended from time to time.

Open fire or *open burning* shall be defined as any outdoor fire, including but not limited to campfires, warming fires, charcoal grill fires, fires in wood-burning stoves, the use of explosives, outdoor welding or hot work, fireworks of all kinds or brands, and the prescribed burning of fence lines or rows, fields, farm lands, rangelands, wildlands, trash and debris. Open fires shall not include:

a. Fires in camp stoves or grills, fueled by bottled gas or pressurized liquid, and specifically designed for cooking or heating purposes;

b. Fires in permanently constructed stationary masonry or metal fireplaces specifically designed for the purpose of combustion; and

c. Fires in commercially operated wood and/or charcoal fired grills designed for cooking.

Town Fire Restrictions shall have those meanings as promulgated by the Board of Trustees, as the same may be amended from time to time.

(b) Authorization to impose temporary restrictions. The Board of Trustees is authorized to adopt by resolution temporary Town Fire Restrictions on open fires and/or open burning within the corporate limits of the Town, based on a finding of necessity that the danger caused by open fires and open burning based on then-current atmospheric conditions, including a lack of moisture, and other local conditions requires the imposition of such a restriction.

(c) Scope and duration of restrictions. The resolution imposing such Town Fire Restrictions shall be for a limited duration based on the nature and scope of the current conditions and may include adoption by reference of any Elbert County Fire

Restrictions. Any such duration may be extended or modified by resolution of the Board of Trustees based on continuing adverse fire conditions.

(d) Unlawful acts. It shall be unlawful for any person to build, maintain, attend, or use an open fire or conduct open burning in the Town, including public, private, State, and federal lands, in violation of a duly adopted resolution imposing temporary restrictions in accordance with this Section.

(e) Penalty for violation. Any person convicted of violating any provision of this Section shall, upon conviction, be punished by a fine of not more than the amount set forth in Section 1-4-20 of this Code for each separate offense and may be enjoined from any further or continued violation. The Town also may seek an injunction, abatement, restitution or any other remedy to prevent, enjoin, abate or remove the violation. Each day a violation of this Section continues shall constitute a separate offense. Any remedies provided for herein shall be cumulative and not exclusive and shall be in addition to any other remedies provided by law.

(f) Additional remedies. The remedies provided in this Section shall be cumulative and in addition to any other federal, State, or local remedy, criminal or civil, which may be available. Nothing contained herein shall be construed to preclude prosecution under any other applicable statute, including but not limited to prosecution under Section 18-13-109, C.R.S., or any other applicable statute, ordinance, rule, order, or regulation.

Section 2. Severability. If any section, paragraph clause, or provision of this Ordinance shall for any reason be held to be invalid or unenforceable, the invalidity or enforceability of such section, paragraph, clause, or provision shall not affect any of the remaining provisions of this Ordinance, the intent being that the same are severable.

Section 3. The Board of Trustees hereby finds, determines, and declares that this Ordinance is promulgated under the general police power of the Town, that it is promulgated for the health, safety, and welfare of the public, and that this Ordinance is necessary for the preservation of health and safety and for the protection of public convenience and welfare. The Board of Trustees further determines that the Ordinance bears a rational relation to the proper legislative object sought to be attained.

Section 4. This Ordinance shall become effective thirty (30) days after publication.

Read and approved at a meeting of the Board of Trustees of the Town of Elizabeth, Colorado, this _____ day of _____, 2025.

Passed by a vote of _____ for and _____ against and ordered published.

_____
Angela Ternus, Mayor

ATTEST:

_____
Michelle M. Oeser, Town Clerk

TO: Mayor, Mayor Pro-Tem, and Town Board of Trustees
FROM: Mike DeVol, Town of Elizabeth Public Works Director
DATE: February 11, 2025
SUBJECT: SUN VALLEY CONTRACTORS LLC 25R11

Madam Mayor, Mayor Pro-Tem and Board of Trustees,

Public Works would like to present to the board the bid proposal submitted by SUN VALLEY CONTRACTORS LLC. The following bid would ensure that all electrical requirements and installation requirements are met and completed by or before May 23rd, 2025, well ahead of the final completion date for the project on June 1st, 2025 for the Main Street Streetscape Project.

All parties responsible will be satisfied with all requirements set out by any terms required through any grants or other funding sources as well.

Public Works recommends the approval of Resolution 25R for Bid and contract approval with Sun Valley Contractors LLC, for electrical installation and requirements for the Main Street Streetscape Project.

Regards,

Mike DeVol
Town of Elizabeth
Public Works Director
303-913-6453
mdevol@townofelizabeth.org

RESOLUTION 25R11

A RESOLUTION AUTHORIZING THE TOWN ADMINISTRATOR TO EXECUTE A TRADE CONTRACTOR AGREEMENT WITH SUN VALLEY CONTRACTORS, LLC, FOR ELECTRICAL WORK ASSOCIATED WITH THE INSTALLATION OF STREET LIGHTS ON MAIN STREET

WHEREAS, the Town of Elizabeth is under contract with Triple M for work associated with the Main Street Streetscape Project; and

WHEREAS, the Town of Elizabeth, has entered into an agreement with CORE Electric Cooperative to underground electrical lines located on South Main Street in Elizabeth; and

WHEREAS, a third-party is required to complete the electrical installation between CORE Electric's transmission lines and the service lines to the street lights.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF ELIZABETH, COLORADO AS FOLLOWS:

SECTION 1. The Board of Trustees hereby authorizes the Town Administrator to execute an Trade Contractor Agreement with Sun Valley Contractors, LLC for the establishment of electrical lines to the street lights on Main Street.

PASSED, APPROVED, and ADOPTED this 11th day of February 2025, by the Board of Trustees of the Town of Elizabeth, Colorado, on first and final reading, by a vote of _____ for and _____ against.

_____
Angela Ternus, Mayor

ATTEST:

_____
Michelle M. Oeser, Town Clerk

TRADE CONTRACTOR AGREEMENT

THIS AGREEMENT IS MADE ON THE 11th day of February 2025 BETWEEN THE TOWN OF ELIZABETH, COLORADO (THE "TOWN") AND SUN VALLEY CONTRACTORS LLC. ("Contractor")**, 5475 HWY 86, UNIT #3, ELIZABETH, COLORADO 80107.**

In consideration of the mutual covenants, agreements, conditions and undertakings hereinafter specified, the Town and Contractor agree as follows:

Section 1. Scope of Work. Contractor shall perform all work in accordance with **Exhibit A**, which is attached hereto and incorporated by this reference, including furnishing all supervision, labor, equipment, and materials therefore (the "Project"). Work shall begin within 10 business days of the signed contract by both parties.

Section 2. Contract Documents. The Contract Documents, which comprise the entire agreement and contract between the Town and Contractor, consist of this Agreement and Exhibit A; any special conditions measurement and payment technical specifications and drawings; and any modifications, change orders or other such revisions properly authorized after the execution of this Agreement.

Section 3. Agreement Price. The Town has appropriated the money necessary to fund this project. The Town shall pay the Trade Contractor in current funds for the performance of the work, subject to any additions and deletions, by written change order, the total sum not to exceed ONE HUNDRED SIXTY-FIVE THOUSAND NINE HUNDRED AND TWENTY DOLLARS AND ZERO CENTS ($165,920.00) (the "Original Contract Amount"). Notwithstanding anything to the contrary contained in this Agreement, no change order or other form of directive by the Town requiring additional compensable work to be performed, which causes the aggregate amount payable under this Agreement, to exceed the amount appropriated for the Original Contract Amount, unless the Trade Contractor is given written assurance by the Town that lawful appropriations have been made by the Town to cover the cost of the additional work.

Section 4. Times and Methods of Payment.

a. The Town shall make all payments due and owing under this Trade Contract shall be made as follows: one half (50%) shall be due and owing within three (3) days of the parties' execution of this agreement. The remaining one-half (50%), and any other outstanding amounts arising from any change orders shall be paid in full upon completion of the project. If the Town objects to any invoices submitted by Contractor, the Town will so advice Contractor in writing giving the reason within fourteen (14) days of receipt of such invoice.

b. If the Town fails to make payments due Contractor within sixty (60) days after receipt and acceptance of Contractor's bill, Contractor may, after giving seven (7) days written notice to the Town, suspend services under this Agreement until Contractor's outstanding bills have been paid in full.

Section 5. Retainage. There shall be no retainage of funds due and owing if the project is completed in full. In the event any materials or supplies are unavailable, subject to backorder, or otherwise unavailable to complete the project, an amount equal to the value of the materials and supplies, plus labor shall be withheld until final acceptance and completion.

Section 6. Final Payment. The Town shall make final payment to the Contractor when the Project is complete and finally accepted by the Town, which final acceptance shall occur at the conclusion of the warranty period.

Section 7. Probationary and Final Acceptance. Probationary acceptance of the Project shall follow inspection and approval of Contractor's performance by the Town, along with inspection by appropriate governmental officials pursuant to local, state and federal requirements, if necessary. The Town shall have the right and authority to determine the acceptability of the Contractor's performance for conformity with this Agreement, which determination shall be conclusive and binding upon Contractor. Upon such a determination, the Town shall accept the Project on a probationary basis. Final acceptance by the Town shall then occur upon the termination of the Warranty Period and the completion of punch list items, if any. Final acceptance shall be subject to the provisions of this Contract and Colo. Rev. Stat. Section 38-26-107, as amended, and in no manner affects or releases any warranties or guarantees with Contractor or manufacturers of Project equipment.

The Project, when presented to the Town for final acceptance, shall be delivered free from any and all claims or encumbrances whether then in existence or later established by law, statute, ordinance or otherwise. No claim or encumbrance against the Project or the Project site shall be outstanding or otherwise unsettled at the time of final acceptance. The right to assert any claim or encumbrance against the Project, after final acceptance by the Town and final payment to Contractor, is hereby waived by Contractor on behalf of itself and any subcontractor, laborer, materialman, equipment supplier, manufacturer or other person.

Section 8. Commencement and Completion of Performance. The services called for shall commence as soon as practical and end no later than May 23rd, 2025, AND WITH FINAL APPROVAL OF EITHER THE TOWN ADMISTRATOR OR PUBLIC WORKS DIRECTOR. In the event Contractor fails to commence work within this time period, the Town may take over the work and prosecute the same to completion. The date of beginning and the time

for completion of the work are essential conditions of this Agreement. Contractor shall proceed with the work at such rate of progress to insure full completion within the contract time. It is expressly understood and agreed by and between the Town and Contractor that the contract time for the completion of the work described herein is a reasonable time, taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the work during the period such work is to be performed. If Contractor shall fail to complete the work within the contract time, or extension of time granted by the Town, then Contractor shall pay to the Town the amount of liquidated damages and not as penalty the sum of FIVE HUNDRED DOLLARS AND ZERO CENTS ($500.00) for each calendar day that Contractor shall be in default after MAY 23RD, 2025.

Contractor will not be charged with liquidated damages or any excess cost when the delay in completion of the work is due to the following, and Contractor has promptly given written notice of such delay to the Town:

a. to any preference, priority or allocation order duly issued by the Town; and

b. to unforeseeable causes beyond the control and without the fault or negligence of Contractor including, but not restricted to, unforeseen conditions, acts of God or of the public enemy, acts of the Town, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and abnormal and unforeseeable weather.

Section 9. Termination.

a. This Agreement may be terminated in whole or in part in writing by either party in the event of substantial failure by the other party to fulfill its obligations under this Agreement through no fault of the terminating party, provided, that no such termination may be affected unless the other party is given:

i. not less than ten (10) calendar days written notice of intent to terminate, and

ii. an opportunity for consultation with the terminating party prior to termination.

b. This Agreement may be terminated in whole or in part in writing by the Town for its convenience.

c. Upon receipt of a termination action pursuant to paragraphs a. and b. above,

Contractor shall promptly discontinue all services affected (unless the notice directs otherwise) and the Town may take over the work and prosecute the same to completion by agreement with another party or otherwise.

Section 10. Taxes, Licenses, Permits and Regulations. In all operations connected with the Project, Contractor shall pay all fees, charges and taxes imposed by law and shall obtain all licenses and permits necessary for completion of the Project, paying all fees therefor unless otherwise specified by the Town. The Town shall assist Contractor to determine which licenses and permits are required for completion of the Project.

The Town is exempt from Colorado state sales and use taxes on materials to be permanently incorporated in the work. Accordingly, taxes for which the Town is exempt shall not be included in the Agreement Price. The Town shall, upon request, furnish Contractor with a copy of its Certificate of Tax Exemption. Contractor and subcontractors shall apply to the Colorado Department of Revenue, Sales Tax Division, for an exemption certificate and purchase the materials tax free. Pursuant to C.R.S. §39-26-114(1)(a)(XIX), Contractor and subcontractors shall be liable to the State of Colorado for exempt taxes paid due to failure to apply for exemption certificates or for failure to use said certificates. Contractor shall comply with all laws, ordinances, codes, rules and regulations of all governmental authorities, whether local, state or federal, relating to the performance of work on the Project and, particularly, in complying with those laws concerning the environment, workers' compensation, safety and health, state labor and materials, and equal employment opportunity.

Section 11. Insurance.

The Trade Contractor agrees to obtain and maintain during the life of this Contract, a policy or policies of insurance against all liability, claims, demands, and other obligations assumed by the Trade Contractor pursuant to Section 1 above. Such insurance shall be in addition to any other insurance requirements imposed by this Contract or by law. The Trade Contractor shall not be relieved of any liability, claims, demands, or other obligations assumed pursuant to Section 1 above, by reason of its failure to obtain and maintain during the life of this Contract insurance in sufficient amounts, durations, or types.

The Trade Contractor shall obtain and maintain during the life of this Contract and shall cause any subcontractor to obtain and maintain during the life of this Contract the minimum insurance coverages listed below. Such coverages shall be obtained and maintained with forms and insurers acceptable to the Town. All coverages shall be continuously maintained to cover all liability, claims, demands, and other obligations assumed by the Trade Contractor pursuant to Section 1 above. In the case of a claims-made policy, the necessary retroactive dates and extended reporting periods shall be procured to maintain such continuous coverage.

Worker's Compensation Insurance to cover obligations imposed by applicable laws for any employee engaged in the performance of the work under this contract, and Employers Liability Insurance with minimum limits of five hundred, thousand dollars ($500,000) each accident, five hundred, thousand dollars ($500,000) disease-policy limit, and five hundred, thousand dollars ($500,000) disease-each employee.

General Public Liability Insurance to be written with a limit of liability of not less than one million dollars ($1,000,000) for all damages arising out of bodily injury, personal injury (including coverage for employee and contractual acts), including death, at any time resulting therefrom, sustained by any one person and not less than one million, five hundred, thousand dollars ($1,500,000) for all damages arising out of bodily injury, including death, at any time resulting therefrom, sustained by two or more persons in any one accident. This policy shall also include coverage for blanket contractual and independent contractor risks.

The limits of General Public Liability Insurance for broad form property damage (including products and completed operations) shall be not less than one million dollars ($1,000,000) for all damages arising out of injury to or destruction of property in any one accident and not less than one million, five hundred, thousand dollars ($1,500,000) for all damages arising out of injury to, or destruction of property, including the Town's property during the policy period.

The General Public Liability Insurance policy shall include coverage for explosion, collapse, and underground hazards. The policy shall contain a severability of interests provision.

Protective Liability and Property Damage insurance covering the liability of the Town, including any employee, officer or agent of the Town with respect to all operations under the Contract by the Trade Contractor or his sub-contractors shall be obtained and maintained during the life of the contract. The limits of the Town's Protective Liability Policy, to be provided by the Trade Contractor, as described in this Section 2, shall be increased to the same limits as described above for the Trade Contractor's General Public Liability Insurance.

Comprehensive Automobile Liability Insurance with minimum combined single limits for bodily injury and property damage of not less than one million dollars ($1,000,000) each occurrence and one million dollars ($1,000,000) aggregate with respect to each of the Trade Contractor's owned, hired, and non-owned vehicles assigned to or used in performance of the services. The policy shall contain a severability of interests provision. If the Trade Contractor has no owned automobiles, the requirements of this paragraph shall be met by each employee of the Trade Contractor providing services to the Town under this contract.

All Insurance Policies and Certificates of Insurance issued for this project shall name as additional insured(s), the Town, whether private or governmental, the Town's officers and employees, and the Engineer and its agents and employees, and any other person(s), company(ies),

or entity(ies) deemed necessary by the Town. The Trade Contractor shall be solely responsible for any deductible losses under any policy required herein.

The insurance provided by the Trade Contractor shall be primary to insurance carried by the Town, the Engineer, and all other additional insureds, and the principal defense of any claims resulting from the Trade Contractor's obligations under the Contract shall rest with the Trade Contractor's Insurer.

The certificate of insurance provided by the Trade Contractor shall be completed by the Trade Contractor's insurance agent as evidence that policies providing the required coverages, conditions, and minimum limits are in full force and effect, and shall be reviewed and approved by the Town prior to commencement of the contract. No other form of certificate shall be used. The certificate shall identify this Contract and shall provide that the coverages afforded under the policies shall not be cancelled, terminated or materially changed until at least 30 days prior written notice has been given to the Town. The completed certificate of insurance shall be sent to:

Michelle Oeser
Town of Elizabeth
Box 159
151 South Banner Street
Elizabeth, Colorado 80107

Failure on the part of the Trade Contractor to procure or maintain policies providing the required coverages, conditions, and minimum limits shall constitute a material breach of contract upon which the Town may immediately terminate this contract, or at its discretion the Town may procure or renew any such policy or any extended reporting period thereto and may pay any and all premiums in connection therewith, and all monies so paid by the Town shall be repaid by the Trade Contractor to the Town upon demand, or the Town may offset the cost of the premiums against any monies due to the Trade Contractor from the Town.

The Town reserves the right to request and receive a certified copy of any policy and any endorsement thereto.

The parties hereto understand and agree that the Town is relying on, and does not waive or intend to waive by any provision of this contract, the monetary limitations or any other rights, immunities, and protections provided by the Colorado Governmental Immunity Act, 24-10-101 et seq., 10 C.R.S., as from time to time amended, or otherwise available to the Town, its officers, or its employees.

Section 12. Warranties and Guarantees. Contractor hereby represents, warrants and guarantees to the Town all workmanship, equipment and materials on or made a part of the Project

and its structures for a period of two (2) years from and after the date of probationary acceptance of the work by the Town as provided by this Agreement.

Section 13. Indemnification. Contractor shall indemnify, defend and hold the Town, its agents, employees, engineers, and attorneys harmless from and against all claims, damages, judgments, losses and expenses of every nature, including reasonable attorney fees, arising at any time out of any act or omission of Contractor, its employees, subcontractors and their employees, and all other persons directly or indirectly involved in or performing work for Contractor on the Project.

Section 14. Subcontractors. All contracts between Contractor and subcontractors shall conform explicitly to all applicable provisions of this Agreement. Contractor shall require any subcontractors to provide the Town with a certificate of insurance which provides insurance coverage as provided by Section 11 of this Agreement. The certificate of insurance shall name the Town as an additional insured and provide that the policy shall not be terminated without ten (10) days written notice to the Town. In all events, Contractor shall be responsible and held liable for any bonding, insurance, warranties, indemnities, progress payments and completion of performance of or to such subcontractors. Upon receipt of progress and final payments from the Town, Contractor shall disburse the same immediately to subcontractors without any requirement of the Town to supervise the same. The Town may, but shall not be obligated to, require Contractor to furnish lien waivers for the work performed or materials furnished by subcontractors or materialmen prior to payment of progress payments or final payment. No contractual relationship shall exist between the Town and any subcontractor because of the subletting of any part of the Project work.

Section 15. Change Order. There shall be no increase in price or change in the scope of work described herein without a written change order issued by the Town along with the Town's written assurance that lawful appropriations have been made by the Town to cover the cost of any additional work or materials described in the change order.

Section 16. Work Rules.

a. Contractor shall perform all work hereunder in keeping with the rules and regulations that the Town may promulgate at any time for the safe, orderly, and efficient conduct of all operations.

b. The Town shall have the right to require of Contractor the immediate removal from the Project of any employee of Contractor or of his subcontractors who, in the discretion of the Town, is not qualified to perform the work assigned to him, is guilty of improper conduct, or is not working in harmony with the other trades.

c. Nothing contained in this Agreement shall constitute Contractor as being an

employee of the Town, nor shall any employment relationship between the Town and Contractor be created by the terms hereof.

d. Contractor is responsible for the safety of any of its materials, tools, possessions, and rented items stored on the job site and for protection of the Project and shall hold the Town and its authorized representatives harmless from any damage or loss incurred thereto.

e. Contractor shall promptly pay in full for any and all damage caused to the Project site by Contractor or by any subcontractor or other person or entity of any nature furnishing materials, equipment, machinery, supplies, labor, skilled services, or instruments for whose actions Contractor is responsible hereunder.

f. No material, equipment, tools, supplies, or instruments other than those belonging to or leased by Contractor will be removed from the Project site by Contractor without the prior written approval of the Town.

g. Contractor agrees to report immediately to the Town, in writing, any and all property damage and/or personal injury that occurs on the Project site during the course of Contractor's performance.

Section 17. Assignment. Contractor shall not, at any time, assign any interest in this Agreement or the other Contract Documents to any person or entity without the prior written consent of the Town. The terms of this Agreement shall inure to and be binding upon the successors and assigns of the parties hereto.

Section 18. Amendment. This Agreement may be amended from time to time by agreement between the parties hereto. No amendment, modification, or alteration of this Agreement shall be binding upon the parties hereto unless the same is in writing and approved by the duly authorized representatives of each party hereto.

Section 19. Severability. If any term, section, or other provision of this Agreement shall, for any reason, be held to be invalid or unenforceable, the invalidity or unenforceability of such term, section or other provision shall not affect any of the remaining provisions of this Agreement.

Section 20. Waiver. No waiver any either party of any right, term or condition of this Agreement shall be deemed or construed as a waiver of any other right, term or condition, nor shall a waiver of any breach hereof be deemed to constitute a waiver of any subsequent breach, whether of the same or of a different provision of this Agreement.

Section 21. Remedies. None of the remedies provided to either party under this Agreement shall be required to be exhausted or exercised as a prerequisite to resort to any further relief to

which such party may then be entitled. Every obligation assumed by, or imposed upon, either party hereto shall be enforceable by any appropriate action, petition or proceeding at law or in equity. In addition to any other remedies provided by law, this Agreement shall be specifically enforceable by either party. This Agreement shall be construed in accordance with the laws of the State of Colorado, and particularly those relating to governmental contracts.

Section 22. Counterparts. This Agreement may be executed in multiple counterparts, each of which shall constitute an original, but all of which shall constitute one and the same document.

Section 23. Entirety. This Agreement constitutes the entire agreement between the parties concerning the subject matter herein, and all prior negotiations, representations, contracts, understandings, or agreements pertaining to such matters are merged into, and are superseded by this Agreement.

IN WITNESS WHEREOF, the parties have executed this Agreement on the day and year first above written.

TOWN OF ELIZABETH, COLORADO

By: _____
Patrick Davidson, Town Administrator

ATTEST:

_____
Michelle M. Oeser, Town Clerk

CONTRACTOR

By: _____
Name: _____
Title: _____

STATE OF COLORADO)
) ss.
COUNTY OF _____)

The foregoing instrument was subscribed, sworn to, and acknowledged before me this _____ day of _____, 2023, by _____ as the _____ of _____.

My commission expires: _____

(S E A L)

_____
Notary Public

Sun Valley Contractors LLC.
Lic#0102400

1/27/25

Re: Elizabeth Main Street Roadway and Drainage Improvements
Bid Date- 1/27/25

Sun Valley Contractors LLC. appreciates the opportunity to provide you with the following proposal for the **Elizabeth Main Street Roadway and Drainage Improvements Project.** We look forward to a long-term mutually beneficial relationship. We understand that you expect a high level of quality, and you can rest assured that we will live up to your expectations. We look forward to working with you soon.

Sincerely,

MATT WEBER
PRESIDENT

SUN VALLEY
CONTRACTORS
EST. 1982

5475 Hwy. 86 Unit #3
Elizabeth, CO 80107-7451
Office: 303.646.6339 Ext. 203
Email: matt@sv-contractors.com

Sun Valley Contractors LLC.
Lic#0102400

Elizabeth Main Street Roadway and Drainage Improvements
Scope of Work
1/27/25

General

Sun Valley Contractors hereby proposes to furnish labor & materials as specified below in accordance with the recognized drawings & specifications listed below.

Documents Recognized

- Drawing Package Dated 6/28/2024

Warranty

All labor and materials provided and installed by Sun Valley Contractors will be warranted for (1) year.

Items Included:

General

- Project Supervision
- Project Coordination
- Safety Documentation

Project Specific

- Provide and install electrical equipment per recognized project drawings:
  - (3) 100amp totally enclosed meter pedestals (10-12 week lead time)
- Assemble and install (28)owner-provided pole lights on bases installed by others
- Provide and install (2) WR GFCI receptacle with in-use cover on each pole
- Provide and install (35) 11”x17” polymer handholes with cover per recognized drawings (assuming conduits are already stubbed up at locations)
- Provide and Install underground feeder wiring-CORE Transformer to new pedestal at (3) locations
- Provide and install branch circuit wiring in existing underground raceways per recognized project documents

SVC is not responsible for underground work previously installed by others. Inspections/repairs/uncovering by others

Sun Valley Contractors LLC.
Lic#0102400

Exclusions:

- Procurement/Installation of Utility Transformers
- Procurement/Installation of Light Pole Bases
- Procurement/Installation of underground lighting conduits- by others
- Excavation/Backfill
- Surveys
- Traffic Control
- Engineering of any type
- Site services (dumpsters, restrooms, fencing)
- Installation of In-Line Devices
- Concrete/asphalt work of any type including core drilling
- Patching/painting
- Permit Fees
- Utility Fees
- Dumpsters/site services
- Prevailing Wage
- Nighttime/Afterhours Work
- Taxes
- Bonding (@1.5%)

Pricing:

Phase 1

$78,500.00 Seventy-Eight Thousand Five Hundred Dollars

Phase 2

$20,800.00 Twenty Thousand Eight Hundred Dollars

Phase 3

$66,620.00 Sixty-Six Thousand Six Hundred Twenty Dollars

Sun Valley Contractors LLC.
Lic#0102400

Conditions

1. This proposal is valid for 30 days. The date of this quotation is 1/27/2025
2. This quote is a lump sum price. The total projected price is **$165,920.00**
3. Invoice terms are standard monthly progressive billing. Unpaid balances are charged interest at the rate of 1.5% per month.
4. Customer will provide access to all areas where necessary during normal business hours (7:00 AM - 5:00 PM) unless other arrangements are made. If access is not available when previously agreed upon, there may be additional charges for lost time.
5. Labor in this quote does not include evening, weekend or holiday work. Any work requested, by the Customer, to be performed after 5:00 PM weekdays or on Sundays will be charged at 1.5 times the normal rate. Any such work performed on holidays will be charged at two times the normal rate.
6. All work will be performed in strict accordance with all applicable building codes. The Customer will inform Sun Valley Contractors of any unusual code or building circumstances of which he/she is aware.
7. All material / equipment is subject to delivery depending on manufacturer's stock availability.
8. Without a 48-hour notice to Sun Valley Contractors, delays outside of the control of Sun Valley Contractors that affect the schedule, may result in additional charges in the form of overtime and mobilization/staging time, and/or may result in a delayed completion date.
9. Cancellation policy: If the Customer cancels the project after authorization has been received by Sun Valley Contractors shipping charges and restocking fees will be charged to the Customer for all product which has already been shipped from its origin to Sun Valley Contractors or to the project site. Sun Valley Contractors will attempt to cancel any outstanding orders for this project when notified of the cancellation. In addition, all mobilization and staging labor costs, incurred by Sun Valley Contractors prior to the cancellation will be charged to the Customer.
10. The product warranty covers only materials provided and installed by Sun Valley Contractors.
11. Confidentiality: This proposal, including the scope of work and the pricing information, is confidential and proprietary. It is for use by your organization only and shall not be disclosed to others outside of your organization without express written permission from Sun Valley Contractors.

Customer Proposal Acceptance

Customer accepts the terms and conditions as presented in this lump sum proposal and authorizes Sun Valley Contractors to perform the work as described herein.

Authorized acceptance signature: _____

Title: _____

Date: _____

Purchase order number: _____

Requested start date: _____

TO: Honorable Mayor, Mayor Pro Tem, and Board of Trustees
FROM: Patrick Davidson, Town Administrator
DATED: February 11, 2025
SUBJECT: Resolution Calling for Special Election

BACKGROUND
On December 10, 2024, the Board of Trustees declared a vacancy for Ward 2. The Board sought to have this position filled by means of appointment. No applications or letters of interest have been submitted. Consequently, this matter for Special Election under Colorado Law.

ANALYSIS
The Resolution provides the method for the Special Election. The Resolution calls for the Special Election to be held on Tuesday, May 20, 2025, as a mail-ballot election under the Colorado Municipal Election Code.

STAFF RECOMMENDATION
Staff take no position regarding this matter, other than to note that C.R. S. 31-4-303 mandates a Special Election in the event the Board of Trustees does not fill the vacancy by appointment.

BUDGET CONSIDERATIONS
Unknown. The last Special Election held by the Town of Elizabeth cost approximately twenty-thousand dollars ($20,000). As this election will only be for those registered voters within Ward 2, it is estimated that the costs of the election would be between one-quarter to one-third of the amount. Regardless, the Special Election is required under Colorado Law.

ATTACHMENTS
A Resolution Calling a Special Election for May 20, 2025, Setting the Ballot Content Therefor, and Providing for Candidate Nomination Deadlines.

RESOLUTION 25R12

A RESOLUTION CALLING A SPECIAL ELECTION FOR MAY 20, 2025, SETTING THE BALLOT CONTENT THEREFOR, AND PROVIDING FOR CANDIDATE NOMINATION DEADLINES

WHEREAS, effective February 10, 2025, a vacancy exists in the office of a member of the Board of Trustees for Ward 2, and pursuant to C.R.S. § 31-4-303 and Section 2-2-10 of the Elizabeth Municipal Code, the Board of Trustees has been unable to fill the vacancy;

WHEREAS, the provisions of C.R.S. § 31-4-303 require the Board to set the matter for a special election in the event the Board does not fill the vacancy by appointment; and

WHEREAS, the provisions of C.R.S. § 31-4-303(2) further authorize the cancellation of the special election if the Board is able to fill the vacancy by appointment prior to the special election.

NOW THEREFORE BE IT RESOLVED BY THE BOARD OF TRUSTEES OF THE TOWN OF ELIZABETH, COLORADO AS FOLLOWS:

Section 1. The Board of Trustees calls a special election to be held on Tuesday, May 20, 2025, which is a date ninety eight (98) days from the date of this Resolution.

Section 2. The Town Clerk is hereby determined to be the designated election official.

Section 3. The May 20, 2025, special election shall be conducted as a mail ballot election, which shall be conducted and supervised according to the Colorado Municipal Election Code of 1965, C.R.S. § 31-10-101, *et seq.*

Section 4. The Board of Trustees delegates the authority and responsibility to appoint qualified election judges for the special election to the Town Clerk as the designated election official. As required by C.R.S. § 31-10-401, a list of all appointed judges shall be kept in the Town Clerk's office.

Section 5. Pursuant to C.R.S. § 31-4-302, nominating petitions may be circulated beginning on February 18, 2025, and must be filed with the Town no later than March 10, 2025.

Section 6. Write-in candidates must submit an Affidavit of Intent to be a write-in candidate must be submitted to the Town Clerk no later than March 17, 2025, pursuant to C.R.S. § 31-10-306 and Section 2-1-20 of the Elizabeth Municipal Code.

Section 7. The Town Clerk as the designated election official is hereby authorized to cancel the special election if either of the following events occur:

A. If the Board is able to fill the vacancy by appointment at any time prior to the date of the special election pursuant to C.R.S. § 31-4-303(2); or

B. As of March 18, 2025, no nomination petitions for the vacancy have been submitted, and no Affidavit of Intent to be a write-in candidate has been received.

PASSED, APPROVED, and ADOPTED this 11th day of February 2025, by the Board of Trustees of the Town of Elizabeth, Colorado, on first and final reading, by a vote of _____ for and _____ against.

_____
Angela Ternus, Mayor

ATTEST

_____
Michelle M. Oeser, Town Clerk

From:	Patrick Davidson
To:	Angela Ternus; Tracy Hutchins; Loren Einspahr; Michael Schroder; Shannon Downs; Dave Conley
Cc:	Patrick Davidson
Subject:	Weekly Update 1-24-2025
Date:	Friday, January 24, 2025 8:26:00 AM
Attachments:	image001.png image002.png image003.png image004.png

Good morning, Mayor, Mayor Pro Tem, and Members of the Board. Here is your newest weekly update.

Workshop on January 28th. Staff is planning on a workshop beginning at 6:30pm for next Tuesday's meeting. The purpose is to walk through any questions or concerns that you may have regarding The Depot parking lot; its location; possible land transactions; etc. Staff will be present to walk through construction, budget, and other considerations.

RAISE Grant Update. With the change in federal administration, and the executive orders issued to date, it is not entirely clear how the grant will proceed. We were asked to provide alternative calculations below the $3M grant request as well, to provide an alternative path for receiving the funds. Regardless, we are still working on this project and anticipate having everything submitted before the deadline.

135th Anniversary. As a reminder, the Board will need to consider what, if anything, they wish to do this year to commemorate the 135th anniversary of the Town of Elizabeth. Currently, we have set aside September 20th, 27th or October 4th for the annual Birthday Bash Movie Night. The dates are tentative until the School District releases its new calendar for the upcoming school year. From there, we can select a date.

525 Dale Court Agenda Item. It appears that the lender in this matter is unwilling/unable to proceed with the easement provided. There is a chance that the matter is resolved in advance of Tuesday's meeting, but highly doubtful. I would anticipate an amendment to the agenda Tuesday to remove this item from consideration.

Information on Community and Senior Activity Center. A member of the Board has asked for the background information on the Center, and we are currently pulling that together. There has been a bit of a time delay, due to working on the DOT grant for sidewalks along HWY 86. We should have that information available next week. If you would like a copy of the documentation as well, please just let me know and we can get additional sets run off. Again, sorry for the delay in getting this completed.

Executive Session on February 25th. I would like to have an executive session on the 25th to likely discuss a couple of topics. Corey will be available that day for the exec as well, and it is somewhat time sensitive. We will try to keep the regular meeting as short as possible to limit

the overall meeting time.

Have a great weekend, and I will see you Tuesday!

Patrick

Patrick G. Davidson, Town Administrator
151 S. Banner Street
Elizabeth, CO 80107
(720) 351-4504
pdavidson@townofelizabeth.org

From: Patrick Davidson
To: Angela Ternus; Tracy Hutchins; Loren Einspahr; Michael Schroder; Shannon Downs; Dave Conley
Cc: Patrick Davidson
Subject: Weekly Update 1/31/2025
Date: Thursday, January 30, 2025 4:29:00 PM
Attachments: image001.png
image002.png
image003.png
image004.png

Good afternoon, Mayor, Mayor Pro Tem, and Members of the Board of Trustees. I will be out of the office on Friday, hence why you are receiving this email early. As always, please let me know if you have any questions or concerns.

RAISE Grant Update. With changes at the federal level with executive orders, we have prepared the RAISE Grant [now called the BUILD Grant] on 4 separate occasions, each with differing scopes for the project as well as cost estimates. As you will recall, this was for street improvements or sidewalks in Elizabeth. The Board chose a sidewalk project along HWY 86 for purposes of the grant. The current scope of the Grant will cover the costs of a sidewalk on the north side of HWY 86 from Banner to the bridge. The grant was held up by the White House Office of Management and Budget [OMB] pending a review of all pending grants; was delayed in implementation; was subject to a Court temporary restraining order; and is now subjected to a withdrawn OBM memo. Regardless, the grant has been submitted, and now we wait and see if the OBM, the Courts, the DOT, or who makes an award if any.

Planning Commission Trainings. A question was recently asked regarding what, if any, trainings have been conducted for the benefit of the Planning Commission. I am working with Alex and Dianna to review the Planning Commission Schedule for 2023 and 2024 and hope to have that finalized within the next couple of days. At first review, it appears that the Commission has completed the "Strong Towns" program [4 meetings], referral agency training including fire, schools, public works, EPD, water, CORE Electric, CORE Engineering, Stolfus traffic engineers, and Black Hills Energy [4 meetings]; and the American Planning Association Training Series on roles/responsibilities, managing a meeting, staff reports, comprehensive plans, and zoning/ordinances.

Tentative Calendar Items. I wanted to provide you the dates for you calendar for known and/or anticipated events through the year. Please let me know if there were other items you would like to include or if you have any questions.

Elizabash – June 7 [Elizabeth Stampede June 5-8]
Ice Cream Social - June 11 / July 16 / August 13
Friday Night Markets - June 13 / June 20 / June 27 / July 4 / July 11 / July 18 / July 25 / August 1 / August 8 / August 15
Birthday Bash Movie Night (TBD for one of the following) - September 20 / September 27 / October 4
Elizabeth 5k Walk and Run – September 13
Protectors Event – September 13
Elizabeth Walk and Talk – September 27

Harvest Festival – October 25
Budget Workshops – June 10 / July 19 (Saturday) / July 22 / August 12 / September 23 / November 11 / November 20
Mayor's Tree Lighting – December 6
Pre-Meeting Workshops – May 27 (discussion of wards) / July 8 (Hillside paving plan, cost estimates, engineering) / July 22 (Wade Park improvements)

Community Development Director. Community Development staff had an opportunity to interview a candidate earlier this week, and the Mayor and Mayor Pro Tem likewise held an interview this week for the position. I will be having a Zoom meeting on Monday with the Mayor and Mayor Pro Tem to receive their feedback on the candidate. I will keep you posted.

Civility in Government. Last Summer and Fall the Colorado Municipal League (CML) focused on civility in government. You would have received in your three-ring binder a power point previously used regarding this matter. Here is the link to the CML website that discusses these matters as well. https://www.cml.org/home/topics-key-issues/civility-starts-here. As Corey is working to update the Trustee Manual and the Code of Conduct to reflect potential changes to the 3-minute rule, it might be a good time to see if members of the Board wish to make any other amendments to these documents considering the information from CML.

Board Retreat – Facilitator. I have been in contact with Todd Leopold regarding the Board's retreat. Todd has done many of these around the State and is more than happy to help with yours as well. The charge is $2,000 and covers the following: pre-retreat interviews with Board members; preparing the retreat agenda; facilitating the retreat; providing a follow-up report; and formal presentation to the Board if requested. Because the retreat is tentatively March 8th, I will need to get an answer back to Todd quickly. The Board's budget for 2025 includes $1,500 for training, $1,400 for meals, and $250 for other, so sufficient funds are available to proceed. I would recommend Todd not only because of cost, but also because of his background and experience in government. Once you have reviewed and considered this opportunity, please let me know how each of you would like to proceed. I would like to get back to Todd next Monday if possible.

Have a great weekend!

Patrick

Patrick G. Davidson, Town Administrator
151 S. Banner Street
Elizabeth, CO 80107
(720) 351-4504
pdavidson@townofelizabeth.org


ELIZABETH
COLORADO



TOWN OF ELIZABETH POLICE DEPARTMENT

CHIEF OF POLICE JEFF ENGEL

425 S. Main St., P.O. Box 1527, Elizabeth, Colorado, 80107
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www.townofelizabeth.org

ELIZABETH POLICE DEPARTMENT ACTIVITY STATISTICS REPORT

Period: 01/19/2025 to 02/01/2025

ELIZABETH POLICE DEPARTMENT'S MISSION STATEMENT:

"The Elizabeth Police Department is committed to service excellence in protecting life and property, impartial enforcement of law, and building community with those who live, work, and visit, the Town of Elizabeth."

The following is an informational breakdown of EPD police activity from **01/19/2025 at 12:01 a.m. to 02/01/2025 at 11:59 p.m.** This information is compiled from our Records Management System (RMS), identified as New World (NW), as well as Douglas County Regional Dispatch (DCRD) records.

**All suspects/defendants are presumed innocent until proven guilty in a Court of Law. **

Colorado Association of Chiefs of Police

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Total Calls for Service:

351

Traffic Stops:

Total Stops:	Penalty Assessments:	Written Warnings:	Verbal Warnings:	Assists to Other Agencies
62	28	33	1	0

Other Calls for Service:

Call Type:	Number of Calls:
911 Landline	1
Abandoned Vehicle	1
Alarm-Business Burglary	3
Animal Complaint	1
Assist to Other Agency	7
Bar Check	1
Business Check	26
Burglary	2
Child Abuse	2
Citizen Assist	6
Citizen Contact	9
Crime Prevention	3
Criminal Mischief	1
Disturbance	3
Domestic Violence-Verbal	2
Drug Offense	1
Follow Up	27
Fraud	1
Harassment	2
Increased Patrol	114
Informational Report	3

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Medical Assist	7
Motorist Assist	2
Municipal Ordinance Violation	3
Motor Vehicle Accident with Property Damage	3
Park Check	1
Parking Complaint	9
Report Every Drunk Driver Immediately (REDDI)	1
School Education	7
Sex Assault on a Child	1
Sex Offense	1
Suicidal Subject	2
Suspicious Circumstance	1
Suspicious Person	1
Suspicious Vehicle	15
Theft	3
Traffic Complaint	3
Traffic Hazard	4
Trespass	2
Traffic Stop	62
VIN Verify	3
Warrant Pickup	1
Welfare Check	1
Wildlife	1

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Open Patrol Division Criminal Investigations:

Case Number:	Call Type:	Details:
23-5311	Financial Crimes	Investigation into financial crimes that was reopened due to new information.
24-2832	Financial Crimes	Investigation into fraud at a local business.
24-4382	Sex Offense	Investigation into a sex offense involving juveniles.
25-0584	Burglary	Investigation into burglary of a property.
25-0586	Traffic Complaint	Investigation into a motorist who ran a school bus stop sign.
25-0593	Sex Offense	Investigation of sex offense allegations involving a juvenile.

Open Community Services Division Municipal Ordinance Violations:

Case Number:	Call Type:	Notes:
24-4492	Municipal Ordinance Violation	Investigation into accumulation of debris on a property in Town

**Please note that limited information regarding open investigations is available. This is to protect the integrity of the investigations. **

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Closed Case/Incident Reports:

Case/Incident Number:	Call Type:	Details:
25-0607	Mental Health Hold	EPD responded to a local school on a report that a student was suicidal. After evaluation from school counselors and Centennial Mental Health, the student was considered high risk. EPD transported the juvenile to a local mental health facility.
25-0616	Assist to Elbert County	While conducting a related investigation, disclosures were made involving a possible sex assault involving a juvenile. It was determined that the alleged crime would not have occurred in the Town of Elizabeth. The case was forwarded to the Elbert County Sheriff's Office for further investigation.
24-3188	Municipal Ordinance Violation	EPD's Community Services Division closed a long-standing case regarding accumulation of debris in Town. The property owner refused to come into compliance with the Town code and was therefore issued a municipal summons for several offenses.
25-0434	Motor Vehicle Accident	EPD responded to a single vehicle crash vs. a deer. Upon arrival, there were no injuries, and the deer did not need to be euthanized.
25-0499	Found Property	EPD had a wallet turned into the station. The owner was identified, and the wallet was returned to them.
25-0612	Motor Vehicle Accident	EPD responded to a two-vehicle crash. There were no injuries, and a crash report was taken.

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25-0507	Motor Vehicle Accident	EPD responded to a report that a juvenile had struck a fire hydrant in the snow and left the scene. EPD located the juvenile and issued them a municipal summons for several traffic offenses.
25-0663	Informational Report	EPD took a report regarding a former employee.
25-0504	Theft	EPD responded to a report of three subjects who stole a large amount of merchandise from a local store. After investigation, the suspects were located and turned themselves in to EPD. They were issued municipal summonses for shoplifting.
25-0758	Motor Vehicle Accident	EPD responded to a two-vehicle crash. After investigation, the driver who violated the model traffic code was issued a municipal summons.
25-0767	Domestic Violence	EPD responded to a verbal domestic violence call. After investigation, it was determined that probable cause existed that the male subject had committed a crime. The male subject at that point became suicidal and was taken to a local mental health facility. A warrant was sought for their arrest upon release from the mental health facility.
25-0762	Theft	EPD received a report of a stolen license plate. After investigation, it was undetermined if in fact the plate was stolen and if it was, if the plate was stolen in the Town of Elizabeth. The license plate number was entered into NCIC/CCIC as stolen.
25-538	Child Abuse	EPD concluded an investigation of alleged child abuse. The result of the

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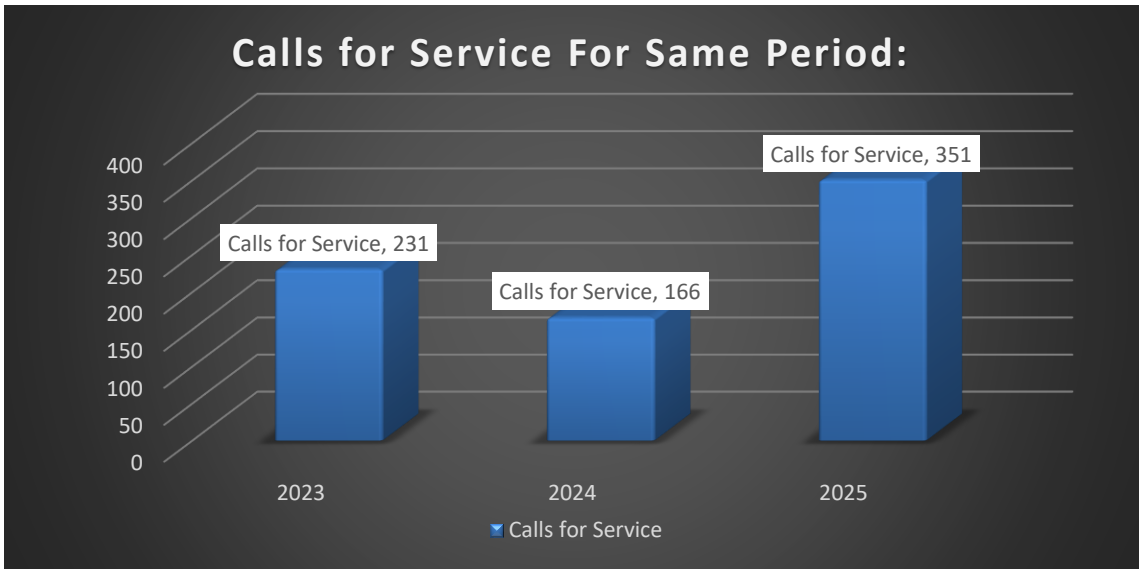
		investigation determined there was insufficient probable cause to proceed with criminal charges. The Elbert County Department of Human Services was notified.
25-0613	Assault	EPD responded to a local school on a reported assault. After investigation, it was determined that the juvenile would be best served by counseling and was turned over to the school district.
25-0788	Theft	EPD responded to a local business on a report of a theft in progress. EPD contacted the suspect as they were leaving the store. The property was recovered, and the suspect was issued a municipal summons for theft.
25-0825	Theft	Related to another investigation, EPD took a report of a theft. After investigation, it was determined there was insufficient probable cause to pursue criminal charges.
24-4865	Assault	EPD concluded an investigation where it was reported that an adult had assaulted a juvenile. After an extensive investigation, there was insufficient evidence to proceed with criminal charges.
25-0791	Domestic Violence	EPD responded to an address on report of an active disturbance involving two subjects. Upon arrival, both subjects had sustained injury. After investigation, it was discovered this was a domestic violence case. The primary aggressor was taken into custody and booked into the Elbert County Jail.

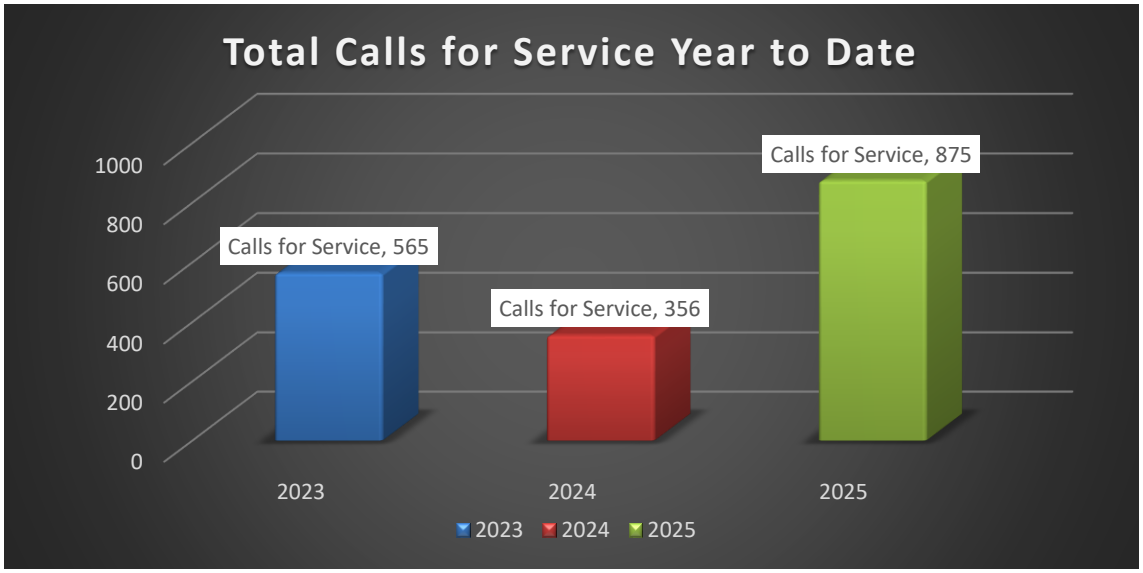
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Historical Data:

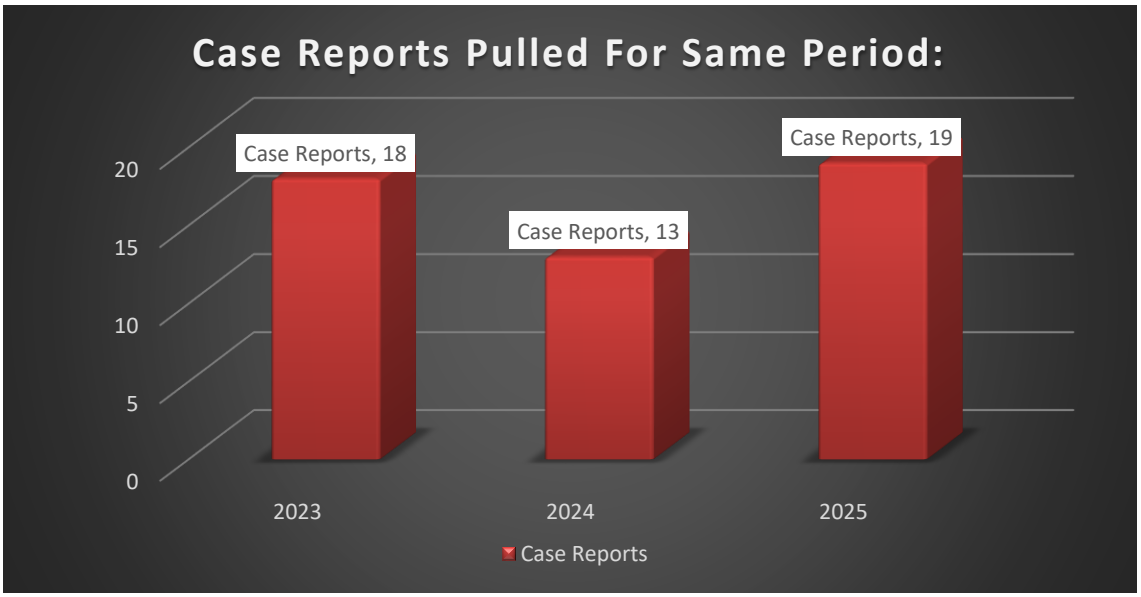


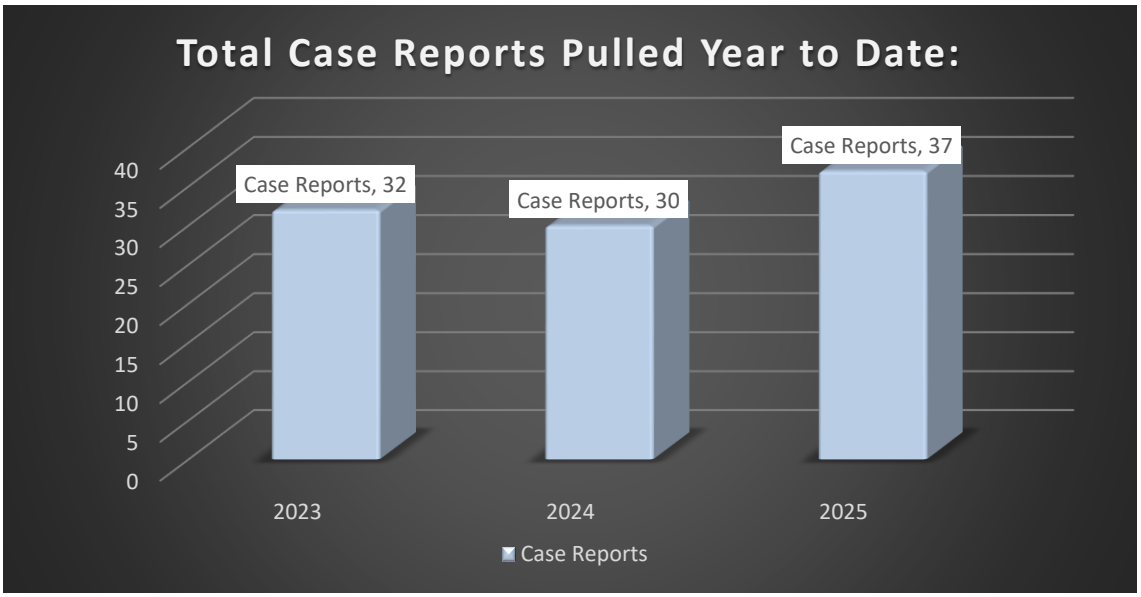


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Colorado Association of Chiefs of Police

TOWN OF ELIZABETH POLICE DEPARTMENT

JEFFERY R. ENGEL
CHIEF OF POLICE

To: *Mayor Angela Ternus, Mayor Pro Tem Hutchins, and Board of Trustees*

From: *Jeff Engel, Chief of Police*

Subject Departmental Monitoring Report

Date: February 11, 2025

STAFFING UPDATE:

Recruit Officer Brayden Campbell is entering his 5th week of training at the Pike Peak Public Safety Academy in Colorado Springs. Brayden passed the first block exam and is scheduled for his second block examination today. Speaking with Academy Director Cathy LaBrecque, Brayden is doing well in the academy.

A field trip to the Pikes Peak Public Safety Academy will be made in the near future to check in with Brayden.

TRAINING UPDATE:

- Officer Royce Lamas attended a one-day free training sponsored by the Rocky Mountain High Intensity Drug Trafficking Area on fentanyl Safety and Awareness. A front-line course on characteristics and hazards of fentanyl and other synthetic opioids.
- Chief Jeff Engel attended a three day Executive Leadership Development course hosted by Denver University's Daniels College of Business. The initial three days of training were invaluable. Leading officers of the 21st Century is a different landscape than generations past. Bridging the gap between what was modeled (generations past) and how officers want to be led is challenging. The training provided insight to the challenges and strategies to bridge the generational gap.

DEPARTMENT UPDATE:

- Evidence technicians Manday Donatelli and Daisy Tucker are working in conducting an evidence purge. The evidence room is near capacity and room needs to be made for future evidence. Mandy and Daisy are adhering to best practices outlined by the International Property and Evidence Association.

- Several members of the board have participated in ride-alongs with the police department. It has been a pleasure getting to know our community leaders and the opportunity to share insight about the police department.
- The Elizabeth Police Department was awarded $12,000.00 following submission of a grant for the Peace Officer Behavioral Health Support and Community Support Grant. We will be working with Daisy Tucker, the wellness coordinator, to begin fulfilling the grant. I would like to thank former Officer Lyndi Burnley, Corporal Jason Rogers, and Daisy Tucker for their input, insight, and teamwork in putting together the grant. Without their dedication and commitment, the grant wouldn't have come to fruition.
- The Elizabeth Police Department will be participating in the Colorado Springs Special Olympics polar plunge in March. Officer Daisy Tucker, our Special Olympics liaison, is working on putting together a team for the plunge. There will be further updates as the event draws closer.

TOWN OF ELIZABETH

MICHAEL DEVOL/PUBLIC WORKS DIRECTOR

TO: Honorable Mayor, Mayor Pro-Tem and Town Board of Trustees
FROM: Mike DeVol, Public Works Director
DATE: February 11, 2025
SUBJECT: Public Works Monitoring Report

Public Works Director will be contacting each BOT member by email for a tour of the Town's Facilities which typically is a 3 hour tour.

*Town Street Paving Improvements Project:

1. Ongoing projects for the year 2025.

*Town Main St. Decorations:

1. Will remain down for Mainstreet Streetscape project.

*Town Wells, Tanks and Effluent:

1. Denver D-1 Well has been pulled for maintenance and video camera recording. Ongoing.

*Town Water Line (NON) Emergency Repair:

1. Public Works received 2 calls for frozen water lines within homes. PW found that both were the Homeowners' responsibility and PW assisted shutting water off at curb stop until repairs were completed.

*Town Hall/ Repairs/ Landscaping Plan:

*Town Walkway Repairs:

*Town Street Maintenance/Striping Projects:

1. Striping will take place in the spring/summer of 2025 as needed.

*Town Snow Plowing and Street Sweeping: SNOW SEASON IS UPON US!!.

1. The Town Newsletter included Town Plowing Code and Snow Route "NO PARKING" information.
2. PW has been plowing and applying salt/sand as needed. Clean-up continues as storms subside.
3. PW continues educating property owner's of their responsibilities and the Town's actions during and after storms.

4. Public Works has begun sweeping of the streets and removing ice and snow as needed.

*Town New Wells at Ritoro/Gold Creek Valley:

1. The new Wells building is complete, and PW is planning an Open House Grand Opening in the spring of 2025.
2. Landscaping will take place in 2025 and PW will work with the 4 adjacent property owners for their approval of the landscape sketch to ensure that we conceal as much of the building as possible from their views.

*Town Trail Project:

1. Town Trails are cleared of snow as soon as the storm has stopped for use by the public.

2. PW has seen increased parking along Hwy 86, Harvest Bible and RC Elementary school for trail enthusiasts.

*Gold Creek Lift Station Improvements:

1. Completion of project has begun warranty period and filing completion with CDPHE Permitting.

*Eligibility Surveys for Water and Wastewater Capitol projects have been completed for 2024/2025 and accepted by Colorado Department of Public Health and Environment (CDPHE). The eligibility surveys allow for the town to be in line for any funding that may be available for future projects.

*Gold Creek Wastewater Treatment Plant (GCWWTP)

The state sampling of the plant after maintenance all came back at 98% removal of all constituents that are required. It was an excellent slow start up of Train 2 and the plant is back at 100% capacity.

Maintenance has been concluded on Train 2 of the plant. PW did a slow 2-week plant start up on Train 2 of the plant to allow bugs/bacteria to acclimate and begin their life cycle. The combination of Bug population, Dissolved Oxygen and liquid temperature are the biggest contributors to a happy healthy working bug population as they work chemical free to complete the process of naturally treating the waste water.

1. NO CHANGES AS OF THIS REPORT
2. Just a quick review of the Wastewater Plant: It is designed to treat 500,000 (.5MGD) gallons of Raw Sewage per day. Train 1 and Train 2 share that equally. The Plant currently is treating 167,000 (.167MGD) average gallons per day while maintaining our minimal 85% reduction of

constituent removals (currently 93%-99% removal) that are set by CDPHE in our Permit. When the time comes that the wastewater Plant is treating at 80% (400,000 gallon) (.4MGD) of the Total Capacity the Town must start to show Plant Expansion Plans to CDPHE. The current WTP upgrade Budget is currently in good shape for funding. Reference of constituent removal: Please see attached Laboratory Sampling Analysis for actual numbers. Note all numbers/results are shown as milligrams per liter (mg/L) this equates from metric to Standard as parts per million (ppm). Plant is 100% Biological/Bacteria (Bugs) NO CHEMICALS

Bio-chemical Oxygen Demand (BOD) minimum 85% removal (current average 99% removal)
Total Suspended Solids (TSS) minimum 85% removal (current 93%-99% removal)
Nitrogen/Ammonia (NH3) minimum 85% removal (current 99% removal)
E. Coli maximum 115 parts per million (ppm) (current <1 ppm) U.V. Light neuters bacterial for no reproduction and does not kill the bacterial which in turn means no chemicals and cost savings to the Town residents.

*Town Clean Up Day/ Paint Round-Up/Arbor Day

1. Town Clean Up Day is scheduled for May 17th at PW yard located at 303 Washington St from 8am-1200 noon.

*Town Public Works News

1. Public Works has one Water/Wasterwater position open for 2025.

*Town Farmers Market:

1. Event Park Name is Running Creek Park, and the events have ended for the year.

*Town Parks and Right of Way

Upcoming Projects:

1. PW has begun for 2024 the following Annual Reporting:
2. Annual Biosolids has been completed for 2023 and sent to CDPHE.
3. Regulation 85 Nutrient Monitoring/Accepted by CDPHE
4. PW has completed a round of PFAF's (radiation/radiological). Results have been reported to CDPHE.
5. Water Augmentation and Recording
6. Water Lead and Copper sampling
7. Water Constituents Metals Sampling

8. Annual DMR (Daily Monitoring Report) Gold Creek Wastewater Plant
9. Tree City USA Application/ Accepted and approved by Tree City USA/Pending
10. Trail DOLA findings and Inspections/ Addition of Willow Cuttings Planted
11. PW has completed Highway User Tax Fund (HUTF) reporting and data processing.
12. PW is completing Lead and Copper testing per CDPHE guidelines for 2023/2024
13. Flushing of the entire town's water supply system is completed every 6 months.

Mike DeVol
Town of Elizabeth
Public Works Director
GCWWTP Operations
303-913-6453
mdevol@townofelizabeth.org

February 11, 2025

The Clerk's / Finance report reflects updates provided by individual Staff members.

Hannah

- I was able to meet with our bank rep for ColoTrust. It was an insightful meeting and helped to plan for budgeting and processes.
- Year-end processes have been finalized and we can now move our system forward into 2025!

Allison

- I have obtained a private QR code for bill payments from Invoice Cloud. Customers can now scan our code and be brought straight to the payment portal to pay invoices, permit fees, tickets, etc. from anywhere. I have added the QR code to the newsletter and am working on putting it on water invoices. I also made cards for PD to hand out with tickets and for the Clerks to give customers to pay Court fines.
- Passport mornings continue to be full with applicants preparing to go on spring break and summer vacations.

Harmony

- This time of year has been a little bit slower. It is allowing me time to catch up on scanning documents and putting items into Laserfiche. I have also been catching up on making documents accessible.

Michelle

- The Board Retreat has been scheduled for Saturday March 8th from 8 am to 4 pm. The retreat will be held at 634 S. Elbert Street. Lunch will be ordered from Catalina's Diner. Please review the menu provided and let me know what you would like to order for your lunch.
- A new restaurant/bar is opening in Elizabeth on February the 8th. The Elizabeth Kitchen and Bar will be located in the old Full Moon Saloon location next to Safeway.
- The February Court Docket was the largest docket we have had since I have been with the town. There were 41 arraignments, 2 continuances, 9 reviews, and 1 show cause.

Good evening Trustees and Mayor,

As we are all enjoying a gradual thaw, I have a little bit of news! Firstly our FBLA students went to districts on Wednesday and 10 students actually won in their events! Our basketball teams are approaching the end of their season with games almost every other day the boys team remains 5-10 and the girls team is 6-8. Wrestling has , and our winter E-Sports has begun to practice in full swing.

We will be having our theater department return once again with a fantastic showing of Desendants at the end of this month and first days of next month.

As students prepare for the longest time of year without any abnormal days, A stretch before spring break with no extra days off, everyone is working hard. The seniors though, their hardly working.

PLANNING COMMISSION – RECORD OF PROCEEDINGS
December 03, 2024

CALL TO ORDER
The Regular Meeting of the Elizabeth Planning Commission was called to order on Tuesday, December 03, 2024, at 6:31 PM by Chair George Fick.

ROLL CALL
Present were Chair George Fick, Vice Chair Amy Schmidt, and Commissioners Greg Lindbloom, Julie Uhernik, Shawn Sommer, and Cynthia Thye. Commissioners Jim Santangelo and Ed Beard were not present. There was a quorum to conduct business.

Also present were Community Development Director Zach Higgins, Planner/Project Manager Alexandra Cramer, Town Administrator Patrick Davidson, and Deputy Town Clerk Harmony Malakowski.

PUBLIC COMMENT
There was no public comment.

AGENDA CHANGES
No agenda changes from Staff.

No agenda changes by the Commissioners.

Agenda set.

CONSENT AGENDA
1. Minutes of the Regular Meeting of August 6, 2024

Motion by Vice Chair Schmidt, seconded by Commissioner Lindbloom, to approve the Consent Agenda as presented.
The vote of those Commissioners present was unanimously in favor. Motion carried.

Chair Fick closed the Regular Meeting and opened the Public Hearing at 6:34 PM.

PUBLIC HEARING
2. Rezoning and Site Plan of 530 – 580 Banner Street

Ms. Cramer provided a Staff report.
Grace Erickson with Providence Consulting, Gene Gregory as applicant, and Dan Snowberger with the Elizabeth School District as co-applicant, provided comments.

Chair Fick opened the Hearing to Public Comment.

Paul Schwartzkopf – Town of Elizabeth resident
Steve Cordova – Town of Elizabeth resident
Cheryl Cordova - Town of Elizabeth resident

Chair Fick closed the Public Hearing and reopened the Regular Meeting at 6:54 PM.

NEW BUSINESS

3. Discussion and possible action on recommendation to the Board of Trustees to approve the rezone and site plan for 530 – 580 South Banner Street

Discussion by the Board and Staff.

Motion by Chair Fick, seconded by Commissioner Thye, to recommend to the Board of Trustees the approval of the rezone and site plan for 530 – 580 South Banner Street.

The roll call vote of those Commissioners present was 0 in favor and 6 opposed. Motion did not pass.

STAFF REPORT

- Community Development Director Higgins provided updates regarding:
  - A reminder to the Commissioners that tonight was his last meeting with them before his departure from the Town.

COMMISSIONER REPORTS

- Chair Fick asked how the Planning Commission can move forward with updates to the Town's Design Guidelines. Discussion followed.
- Chair Fick made a formal request to Staff to move forward with updating the Town's Design Guidelines.

ADJOURNMENT

Motion by Commissioner Sommer, seconded by Commissioner Uhernik, to adjourn the meeting at 8:02 PM. The vote of those Commissioners present was unanimously in favor. Motion carried.

Chair George Fick

TOWN OF ELIZABETH INCORPORATED SEAL SEPTEMBER 24 1890 ELBERT COUNTY COLORADO

Deputy Town Clerk Harmony Malakowski

HISTORIC ADVISORY BOARD – RECORD OF PROCEEDINGS
January 6, 2025

CALL TO ORDER
The Regular Meeting of the Historic Advisory Board was called to order on Monday, January 6, 2025, at 5:03 PM by Historian Bob Rasmussen.

ROLL CALL
Present were Historian Bob Rasmussen, and Board Members Jacque Hallett, Lynn Mitchell, and Dennis Rodriguez. Chair John Quest was absent. There was a quorum to conduct business.

Also present were Planner/Project Manager Alexandra Cramer, Planning Technician Dianna Hiatt, and Town Clerk Michelle Oeser.

PUBLIC COMMENT
There was no public comment.

AGENDA CHANGES
No agenda changes from Staff.

No agenda changes by the Board.

Agenda set.

CONSENT AGENDA
1. Minutes of the Regular Meeting of December 2, 2024

Motion by Ms. Mitchell, seconded by Mr. Rodriguez, to approve the Consent Agenda as presented.
The vote of those Board Members present was unanimously in favor. Motion carried.

NEW BUSINESS
2. Discussion and possible action regarding Historic Advisory Board Resolution 25-01, a Resolution Establishing a Designated Public Place for the Posting of Meeting Notices Pursuant to C.R.S. 24- 6-402(2)(c)

Ms. Oeser provided a Staff report.

Motion by Ms. Hallett, seconded by Ms. Mitchell, to approve Resolution 25-01, a Resolution Establishing a Designated Public Place for the Posting of Meeting Notices Pursuant to C.R.S. 24-6-402(2)(c)

The vote of those Board Members present was unanimously in favor. Motion carried.

3. Discussion regarding Façade Grant Program Proposals

Ms. Cramer provided a Staff report.
Brandon and Aleta Jeffress made a presentation on their 122 Main Street Façade Grant application.
Don Mean made a presentation on his 166 S. Main St. Façade Grant application.

The Board approved both grant applications.

4. Discussion and Possible Action regarding Chair, Vice Chair, and Historian Elections

Ms. Cramer provided a Staff report.
Motion by member Mitchell, seconded by Historian Rasmussen, to nominate Dennis Rodriguez as Chair of the Historic Advisory Board.
The vote of those Board Members present was unanimously in favor. Motion carried.

Motion by member Mitchell, seconded member Rodriguez, to nominate Jacque Hallett as Vice Chair to the Historic Advisory Board.
The vote of those Board Members present was unanimously in favor. Motion carried.

5. Discussion and Possible Action regarding 2025 Workplan

Ms. Cramer provided a Staff report.

Motion by Historian Rasmussen, seconded by member Mitchell to approve the 2025 Workplan.
The vote of those Board Members present was unanimously in favor. Motion carried.

STAFF REPORT

- Planner/Project Manager Cramer:
  - Ms. Cramer reviewed her written report.

BOARD REPORTS

- Historian Rasmussen also provided a status report on the Deed projects.
- Discussion on the Savings Places Conference.

ADJOURNMENT

Motion by Historian Rasmussen, seconded by Ms. Mitchell, to adjourn the meeting at 5:57 PM. The vote of those Board Members present was unanimously in favor. Motion carried.

Chair Dennis Rodriguez

Deputy Clerk Harmony Malakowski

TOWN OF ELIZABETH INCORPORATED SEAL SEPTEMBER 24 1890 ELBERT COUNTY COLORADO