TOWN OF ELIZABETH

BOARD OF TRUSTEES REGULAR MEETING
Tuesday, December 10, 2024 at 7:00 PM UPDATED 12/6/2024
Town Hall, 151 S. Banner Street

Conferencing Access Information: This is viewing-only access.
https://us02web.zoom.us/j/87898192063?pwd=gh1g4c2dJnoN4zydVpHdfsgP67o9BR.1
Join via phone at 1 669 900 9128 **Meeting ID:** 890 9042 2023
Meeting Passcode: 109508

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 November 21, 2024
2. Outback Liquors Tasting Permit

PRESENTATIONS

3. Presentation to Public Works Director Mike DeVol – Patrick Davidson
4. Presentation to outgoing Board of Trustee Members – Patrick Davidson

BRIEF RECESS

NEW BUSINESS

5. Swearing in of the New Mayor and Board Members by the Town Clerk– Michelle Oeser

6. Discussion and possible action on selection of Mayor Pro Tem– Michelle Oeser

PUBLIC HEARING

7. Public Hearing – Ordinance 24-15 and Resolution 24R51 Rezone and Site Plan of 530-580 Banner Street – Patrick Davidson

NEW BUSINESS

8. Discussion and possible action regarding Ordinance 24-15 and Resolution 24R51 Banner Street Paired Homes Rezone and Site Plan – Patrick Davidson
9. Discussion and Possible Action Regarding the Reappointment of John Quest to the Historic Advisory Board – Alex Cramer
10. Discussion and possible action on the Appointment of Officers of the Town: Town Attorney, Town Clerk/ Treasurer, and Chief of Police– Patrick Davidson
11. Discussion and possible action on posting the open Board of Trustee seat – Michelle Oeser
12. Discussion and possible action on Resolution 24R50, a Resolution establishing that Annual Adjustments to Impact Fees be based on the Consumer Price Index (CPI) for the Denver-Aurora-Lakewood area and not upon the Engineering News Record Cost Index for the Denver Metropolitan Area – Patrick Davidson
13. Discussion and possible action on Resolution 24R52, a Resolution approving the Collaborative Management Memorandum of Understanding between the Town and various agencies regarding the provisions of services to children and families who would benefit from Multi-Agency Services – Chief Engel
14. Discussion and possible action on Resolution 24R53, a Resolution granting the Mayor authority to execute a Residential Lease Agreement for 601 Pine Ridge Street, Elizabeth Colorado – Patrick Davidson

MANAGEMENT MONITORING REPORTS

15. Management Monitoring Reports

STUDENT LIAISON REPORT

16. Student Liaison Report – Landon Sherlock

BOARD OF TRUSTEES REPORTS

17. Board Reports

MINUTES

18. Minutes of the Planning Commission of August 6, 2024
19. Minutes of the Historic Advisory Board of November 4, 2024
20. Minutes of the Planning Commission of November 19, 2024

EXECUTIVE SESSION

21. To hold a conference with the Town's attorney to receive legal advice on specific legal questions, regarding the town's curfew ordinance, pursuant to C.R.S. § 24-6-402 (4)(b).

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
November 21, 2024

CALL TO ORDER
The Regular Meeting of the Board of Trustees of the Town of Elizabeth was called to order on Thursday, November 21, 2024, at 6:59 p.m. by Mayor Tammy Payne.

ROLL CALL
Mayor Tammy Payne, and Trustees Loren Einspahr, Barb McGinn, Joe Belongia, Marianne Mayer-Opl, and Michael Schroder were present. Mayor Pro Tem Linda Secrist was absent. There was a quorum to do business.

Also present were Town Administrator Patrick Davidson, Town Clerk Michelle Oeser, Public Works Director Mike DeVol, Police Chief Jeff Engel, Community Development Director Zach Higgins, Finance Officer Hannah Bruce, and Planning / Project Manager Alex Cramer.

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

PUBLIC COMMENT
Christine Ware – Elbert County Resident.
Bob Bucknam – Town of Elizabeth Resident.
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 November 12, 2024

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

Mayor Payne closed the Regular Meeting and opened the Public Hearing at 7:31 p.m.

PUBLIC HEARING

2. Ordinance 24-14

Ms. Cramer provided a Staff report.

Mayor Payne opened the Public Hearing to public comment.
There was no public comment.

Mayor Payne closed the Public Hearing and entered the Regular Meeting at 7:34 p.m.

NEW BUSINESS

3. Discussion on Ordinance 24-14, and Ordinance repealing and reenacting Section 16-9-30 of the Town of Elizabeth Municipal Code regarding Use by Special Review approvals

Ms. Cramer answered questions and discussion with the Board followed.

Motion by Trustee Belongia, seconded by Trustee McGinn, to approve Ordinance 24-14, an Ordinance repealing and reenacting Section 16-9-30 of the Town of Elizabeth Municipal Code regarding Use by Special Review approvals.
By a roll call vote, the vote of those Trustees present was 5 in favor and 1 opposed. Trustee Mayer-Opl opposed. The motion passed.

4. Discussion and possible action on Resolution 24R43, a Resolution to amend and designate "No Parking" zones in the Town of Elizabeth

Mr. DeVol provided a Staff report.

Motion by Trustee Belongia, seconded by Trustee Einspahr, to approve Resolution 24R43, a Resolution to amend and designate "No Parking" zones in the Town of Elizabeth.
By a roll call vote, the vote of those Trustees present was 6 in favor and 0 opposed. The motion passed unanimously.

5. Discussion and possible action on Resolution 24R45, a Resolution authorizing the Mayor to execute a letter of agreement with the Adams Group, LLC to provide audit services for Fiscal Year 2024

Mr. Davidson provided a Staff report.

Motion by Trustee Belongia, seconded by Trustee McGinn, to approve Resolution 24R45, a Resolution authorizing the Mayor to execute a letter of agreement with the Adams Group, LLC to provide audit services for Fiscal Year 2024.
By a roll call vote, the vote of those Trustees present was 6 in favor and 0 opposed. The motion passed unanimously.

6. Discussion and possible action on Resolution 24R46, a Resolution adopting the 2025 Town of Elizabeth Budget

Mr. Davidson provided a Staff report.

Motion by Trustee Einspahr, seconded by Trustee Belongia, to approve Resolution 24R46, a Resolution adopting the 2025 Town of Elizabeth Budget.
By a roll call vote, the vote of those Trustees present was 6 in favor and 0 opposed. The motion passed unanimously.

7. Discussion and possible action on Resolution 24R47, a Resolution Appropriating Sums of Money

Motion by Trustee Belongia, seconded by Trustee Schroder, to approve Resolution 24R47, a Resolution Appropriating Sums of Money.
By a roll call vote, the vote of those Trustees present was 5 in favor and 1 opposed. Trustee Mayer-Opl opposed. The motion passed.

8. Discussion and possible action on Resolution 24R48, a Resolution to Set Mill Levy

Motion by Trustee Einspahr, seconded by Trustee Schroder, to approve Resolution 24R48, a Resolution to Set Mill Levy.
By a roll call vote, the vote of those Trustees present was 6 in favor and 0 opposed. The motion passed unanimously.

9. Discussion and possible action on Resolution 24R49, a Resolution approving the Third Amendment to Employment Agreement between the Town and Patrick Glenn Davidson

Mayor Payne asked for a Board discussion.

Motion by Trustee Mayer-Opl to table Resolution 24R49. Motion failed due to a lack of a second.
Motion by Trustee Belongia, seconded by Trustee Schroder, to approve Resolution 24R49, a Resolution approving the Third Amendment to the Employment Agreement between the Town and Patrick Glenn Davidson.
By a roll call vote, the vote of those Trustees present was 5 in favor and 1 opposed. Trustee Mayer-Opl opposed. The motion passed.

MANAGEMENT REPORTS

- Town Administrator Patrick Davidson:
  - Mr. Davidson did not have anything to add.
  - Trustee Mayer-Opl asked questions about the development of Frontier High School.

- Chief of Police Jeff Engel:
  - An offer for employment has been extended to one police applicant.
  - Two additional officer candidates will be interviewed next week.
  - Trustee Schroder asked if the Police Department is on their way to meeting its staffing goal.

- Community Development Director Zach Higgins:
  - Mr. Higgins let the Board know there will be projects coming to them in the next few months.
  - This will be Mr. Higgins's last Board meeting.

- Public Works Director Mike DeVol:
  - Trustee Schroder asked what the timeline is for the Streetscape project.
  - Trustee Schroder asked about Streetscape warranty work.
  - Discussion on snow removal from the last snowstorm.

- Town Clerk Michelle Oeser:
  - Discussed a send-off get-together for Mr. Higgins.

STUDENT LIAISON REPORT

No Student Liaison report.

BOARD OF TRUSTEE REPORTS

- Ward 1:
  - Trustee Schroder stated that Public Works did a good job on snow removal.
- Ward 3:
  - Trustee Mayer-Opl stated she appreciated how quickly roads were cleared after the snowstorm.
- Mayor Payne:
  - Discussed splitting the remaining contribution budget equally between the Elizabeth High School Band and the School Sponsored Annual Turkey Dinner.

ADJOURNMENT

Motion by Trustee Belongia, seconded by Trustee Schroder, to adjourn the meeting at 8:20 p.m.
The vote of those Trustees present was unanimously in favor. Motion carried.

Mayor Tammy Payne

Town Clerk Michelle Oeser

TO: Honorable Mayor and Board of Trustees
FROM: Michelle M. Oeser, Town Clerk
DATE: December 5, 2024
SUBJECT: Outback Tasting Permit

SUMMARY

On November 22, 2024, Outback Liquors applied for a Tasting Permit for 2025.
Outback Liquors has requested a Tasting Permit to run concurrently with their existing Town and State-approved retail liquor license. Per Ordinance 04-10, the Board of Trustees has the authority to approve a Tasting Permit without holding a Public Hearing and can approve it in the consent agenda. The Board may request a Public Hearing on the matter if they find that the applicant has not complied with State statutes or cannot conduct tastings without creating a public safety risk to the neighborhood.
Colorado law allows for up to 156 tasting days a year on any day of the week per applicant. Included with this memo are the current tasting laws showing basic rules and regulations. The applicant has provided a complete application and is currently requesting 101 tastings for 2025.

If the applicant receives a permit and would like to change the proposed date, they may submit a request to the Town Clerk a minimum of 48 hours before the new tasting date. The applicant is aware of these restrictions and obligations and will comply with all laws.
Tastings would be held at 113 S. Elizabeth St., Elizabeth, Co. where their liquor license is held.

STAFF RECOMMENDATION

Staff recommends approving a Tasting Permit for Outback Liquors.

ATTACHMENT(S)

Permit Application
Basic rules

RECEIVED

NOV 21 2024

Town of Elizabeth

151 S Banner Street
PO Box 159
Elizabeth, CO 80107

Phone: 303-646-4166
Fax: 303-646-9434

RETAIL LIQUOR TASTINGS
PERMIT APPLICATION

Licensee Name: Outback Liquors

DBA: Outback Liquors

Address: 113 S Elizabeth st.

City, State, Zip: Elizabeth, CO 80107

Mailing Address (if different): PO Box 1868

State License Number: 41-22696-0000

Business Phone Number: 303-646-4449

At all times during all Tastings, the Licensee shall post and keep visible to the public in a conspicuous place on the licensed premises the Tastings Permit issued by the Town Clerk, and a Minor Warning sign [C.R.S. 12-47-901(5)(h)].

CERTIFICATION OF APPLICANT

I hereby certify that the information in this application is true, correct, and complete to the best of my knowledge. I certify that it is my responsibility to be sure that all current and future employees complete a servers training program and submit to the Town Clerk's office. I certify that the licensed premises will keep a log of all tasting dates and times, the log will be kept on the premises for inspection at any time by the local or state enforcement agencies. I certify that it is my responsibility and the responsibility of my agents and employees to comply with all applicable laws, including all applicable provisions of the Town of Elizabeth Municipal Code and the Colorado Liquor or Beer Code Regulations which affect my license.

Authorized Signature: [signature]

Title: Owner

Date: 11/21/24

TOWN OF ELIZABETH
APPROVAL OF LOCAL LICENSING AUTHORITY
(This permit runs concurrent with the liquor license approved by the State of Colorado)

Angela Ternus, Mayor
Local Licensing Authority

Date

Outback Liquors is requesting to do in store tastings every Friday from 3pm-7pm and Saturdays from 12pm-4pm for the year 2025.

Dane Nielson

Owner Outback Liquors

303-646-4449

January

Friday 3rd 3-7

Saturday 4th 12-4

Friday 10th 3-7

Saturday 11th 12-4

Friday 17th 3-7

Saturday 18th 12-4

Friday 24th 3-7

Saturday 25th 12-4

Friday 31st 3-7

February

Saturday 1st 12-4

Friday 7th 3-7

Saturday 8th 12-4

Friday 14th 3-7

Saturday 15th 12-4

Friday 21rd 3-7

Saturday 22th 12-4

Friday 28th 3-7

March

Saturday 1st 12-4

Friday 7th 3-7

Saturday 8th 12-4

Friday 14th 3-7

Saturday 15th 12-4

Friday 21st 3-7

Saturday 22nd 12-4

Friday 29th 3-7

April

Friday 4th 3-7

Saturday 5th 12-4

Friday 11th 3-7

Saturday 12th 12-4

Friday 18th 3-7

Saturday 19th 12-4

Friday 25th 3-7

Saturday 26th 12-4

May

Friday 2nd 3-7

Saturday 3rd 12-4

Friday 9th 3-7

Saturday 10th 12-4

Friday 16th 3-7

Saturday 17th 12-4

Friday 23rd 3-7

Saturday 24th 12-4

Friday 30th 3-7

Saturday 31st 12-4

June

Friday 6th 3-7

Saturday 7th 12-4

Friday 13th 3-7

Saturday 14th 12-4

Friday 20th 3-7

Saturday 21st 12-4

Friday 27th 3-7

Saturday 28ith 12-4

July

Friday 4th 3-7

Saturday 5th 12-4

Friday 11th 3-7

Saturday 12th 12-4

Friday 18th 3-7

Saturday 19th 12-4

Friday 25th 3-7

Saturday 26th 12-4

August

Friday 1st 3-7

Saturday 2nd 12-4

Friday 15th 3-7

Saturday 16th 12-4

Friday 22nd 3-7

Saturday 23rd 12-4

Friday 29th 3-7

Saturday 30th 12-4

September

Friday 5th 3-7

Saturday 6th 12-4

Friday 12th 3-7

Saturday 13th 12-4

Friday 19th 3-7

Saturday 20th 12-4

Friday 26th 3-7

Saturday 27th 12-4

October

Friday 3rd 3-7

Saturday 4th 12-4

Friday 10th 3-7

Saturday 11th 12-4

Friday 17th 3-7

Saturday 18th 12-4

Friday 24th 3-7

Saturday 25th 12-4

Friday 31st 3-7

November

Saturday 1st 12-4

Friday 7th 3-7

Saturday 8th 12-4

Friday 14th 3-7

Saturday 15th 12-4

Friday 21st 3-7

Saturday 22nd 12-4

Friday 28th 3-7

Saturday 29thth 12-4

December

Friday 5th 3-7

Saturday 6th 12-4

Friday 12th 3-7

Saturday 13th 12-4

Friday 19th 3-7

Saturday 20th 12-4

Friday 26th 3-7

Saturday 27th 12-4

Tasting Laws

Number of tasting days allowed annually	Number of hours allowed per day	Hours of operation for tasting	Who can conduct tastings	Number of samples allowed per person	Size of serving sample
156 days (any day of the week)	5 hours (did not change) (does not have to be consecutive)	11 am to 9 pm	representative, employee, or agent of a wholesaler, brew pub, distillery pub, manufacturer, limited winery, importer or vintner's restaurant	4	1 ounce for malt & vinous 1/2 ounce for spirits

** must have seller server certification

OATH OF OFFICE

STATE OF COLORADO
ELBERT COUNTY
TOWN OF ELIZABETH

I, Angela Ternus, do solemnly, sincerely, and truly declare and affirm that I will support and defend the Constitution of the United States of America and 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 Mayor I am about to enter into, to the best of my ability.

_____
Signature

Subscribed and affirmed to before me this 10th day of December 2024.

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

OATH OF OFFICE

STATE OF COLORADO
ELBERT COUNTY
TOWN OF ELIZABETH

I, Michael L. Schroder, 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 before me this 10th day of December 2024.

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

OATH OF OFFICE

STATE OF COLORADO
ELBERT COUNTY
TOWN OF ELIZABETH

I, Tracy J. Hutchins, do solemnly, sincerely, and truly declare and affirm that I will support and defend the Constitution of the United States of America and 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 before me this 10th day of December 2024.

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

OATH OF OFFICE

STATE OF COLORADO
ELBERT COUNTY
TOWN OF ELIZABETH

I, Dave Conley, do solemnly, sincerely, and truly declare and affirm that I will support and defend the Constitution of the United States of America and 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 before me this 10th day of December 2024.

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

OATH OF OFFICE

STATE OF COLORADO
ELBERT COUNTY
TOWN OF ELIZABETH

I, Shannon Downs, do solemnly, sincerely, and truly declare and affirm that I will support and defend the Constitution of the United States of America and 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 before me this 10th day of December 2024.

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

TO: Honorable Mayor and Board of Trustees
FROM: Michelle Oeser Town Clerk
DATE: December 10, 2024
SUBJECT: Mayor Pro Tem

SUMMARY

After each election and following new Board members being sworn into office, the next item of business is to choose a Mayor Pro Tem as stated in the Town Code.

Sec. 2-2-30. - Mayor Pro Tem.

> At its first meeting following each biennial election, the Board of Trustees shall choose one (1) of the Trustees as Mayor Pro Tem. In the absence of the Mayor from any meeting of the Board of Trustees, during the absence of the Mayor from the Town or during the inability of the Mayor to act, the Mayor Pro Tem shall perform the duties of the Mayor.

At this time the Board will nominate and vote on a new Mayor Pro Tem. The Mayor Pro Tem will hold the position for the next two years.

RECOMMENDATION

Staff recommends that the Board hold an open discussion, take nominations, make a motion, and hold a vote.

STAFF REPORT

Rezone and Site Plan Application

Banner Street Paired Homes

530-580 S Banner Street

Applicant: LG Designs and Construction LLC

Location: Northeast corner of Banner Street and Chestnut 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

LG Designs & Construction LLC, in partnership with the Elizabeth School District, requests approval for the rezoning of six lots from Public Institutional (PI) to Downtown (DT) District and site plan approval for three paired-home buildings at 530-580 Banner Street. The 26,682-square-foot site, currently serving as a parking lot for the Frontier Center, consists of six historical lots of approximately 4,447 square feet each.

The Downtown District zoning designation is being requested as it is specifically designed to accommodate Elizabeth's historical lot sizes and permits single-family attached dwellings as a use. The property's location along Banner Street reflects an established mixed-use pattern, evidenced by Town Hall, the American Legion Hall, Elizabeth Presbyterian Church, and Frontier Center, while maintaining compatibility with adjacent residential uses.

The proposed development would create six residential units, each on its own lot with independent utilities, private two-car garage, individual driveway, and fenced yard. The development utilizes existing Town infrastructure while incorporating new public improvements including sidewalk upgrades to Town standards and a detention facility. While the original building elevations met all applicable Town design standards, the applicant has voluntarily submitted revised elevations following the Planning Commission hearing that incorporate additional traditional architectural elements while maintaining compliance with Town standards, including replacing both flat roofs with gable roofs.

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, including zoning compliance, site design and access, public improvements, landscaping and screening, utilities, and building design.

The Planning Commission reviewed this proposal at their December 3rd, 2024, meeting and voted 6-0 to recommend denial of both the rezoning and site plan applications. Despite this recommendation, based on the technical analysis given, staff finds that both applications meet all applicable criteria set forth in Chapter 16 of the Elizabeth Municipal Code and the Town's Design Standards and Guidelines.

Staff recommends the Board of Trustees approve Ordinance 24-15, an ordinance rezoning 530-580 Banner Street from Public Institutional (PI) to Downtown (DT) District, and Resolution 24R51, a resolution approving the Banner Street Paired Homes Site Plan.

Applicant Request:

LG Designs & Construction LLC, in partnership with the Elizabeth School District, requests the Board of Trustees approval of two applications for the property located at 530-580 Banner Street. The first request is a rezoning of six lots, totaling 26,682 square feet, from Public Institutional (PI) to Downtown (DT) District. The second request is for site plan approval to develop three single-family attached homes, creating a total of six residential units. The property, currently owned by the Elizabeth School District and previously used as a parking lot for the Frontier Center, would be sold to LG Designs & Construction contingent upon approval of both applications.

Proposal and Background Summary:

The six lots at 530-580 Banner Street, totaling 26,682 square feet, currently serve as a parking lot for the Frontier Center under Elizabeth School District ownership. Each historical lot is approximately 4,447 square feet, reflecting Elizabeth's original town platting. Due to these historical lot dimensions, which do not meet the current minimum lot size requirements of the Town’s residential districts, the Downtown (DT) District is the appropriate zoning designation as it was specifically created to accommodate such historical lot sizes while supporting mixed-use walkable development patterns.

LG Designs & Construction LLC, in partnership with the School District, proposes to develop three paired-home buildings on these lots. The paired home format is chosen as the Downtown District permits attached single-family dwellings while not allowing new detached single-family homes. Banner Street's existing character demonstrates this mixed-use pattern, with Town Hall, the American Legion Hall, Elizabeth Presbyterian Church, and the Frontier Center integrated among residential uses. The property's eastern

edge connects to Elizabeth's Downtown District along Main Street, making it a natural extension of this zoning district.

The proposed development includes six residential units, each featuring a private two-car garage, individual driveway, and fenced yard. Site improvements encompass sidewalk upgrades to Town standards, comprehensive drainage and detention facilities, and full utility connections. The property sale from the School District to LG Designs & Construction is contingent upon approval of both the rezoning and site plan applications.

Surrounding Zoning Districts:

North: R-1, Single-Family Residential

South: R-1, Single-Family Residential

East: DT, Downtown District

West: PI, Public-Institutional District

General Project Location

Approval Criteria:

Section 16-1-240 (f) of the EMC includes criteria for the Planning Commission and Board of Trustees to consider in rendering a recommendation or a final decision on the proposal. The criteria are as follows:

1. A need exists for the proposal;

2. The particular parcel of ground is indeed the correct site for the proposed development;

3. There has been an error in the original zoning; or

4. There have been significant changes in the area to warrant a zone change;

5. Adequate circulation exists and traffic movement would not be impeded by development; and

6. Additional municipal service costs will not be incurred which the Town is not prepared to meet.

7. There are minimal environmental impacts or impacts can be mitigated.

8. The proposal is consistent with the Town Master Plan maps, goals and policies.

9. There is adequate waste and sewage disposal, water, schools, parks and recreation, and other services to the proportional degree necessary due to the impacts created by the proposed land use.

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

Rezoning Case Analysis:

Staff finds that the proposal displays conformance with the applicable provisions of the EMC and the Elizabeth Comprehensive Plan. The rezoning process requires Community Development staff to review and refer the application to various agencies for comments and responses within a 25-day time frame. No objections were raised to the rezoning.

The subject property consists of six historical lots of approximately 4,447 square feet each, reflecting Elizabeth's original town platting. These lot dimensions do not meet the minimum lot size requirements of any residential zoning district, which require 9,000 square feet or more. The Downtown District was specifically designed to accommodate these historical lot dimensions while supporting appropriate walkable development patterns near Elizabeth's core. The proposed rezoning to Downtown District represents a

contiguous extension of the existing Downtown District to the east, preventing any spot zoning concerns. Given the public amenities that exist on Banner Street including the Town Hall, American Legion, Presbyterian Church, Frontier Center, and adjacency to Main Street, this street is a natural extension of Elizabeth's pedestrian friendly core.

The proposed development requires staff to make a critical land use determination. Since the EMC does not provide specific definitions for some housing types, Section 16-1-270(c) authorizes the Planning Director to make such determinations after consultation with Town officials. The Planning Director has evaluated this proposal against established building codes, including the International Residential Code, which defines duplexes as two dwelling units within a single building on one lot with shared utilities. Based on the development's characteristics - individual units on separate lots, independent utility connections, and no shared building elements except for the common wall and roof connection - the Planning Director has determined this qualifies as single-family attached dwellings, which is a permitted use in the Downtown District. In addition, the Town's municipal code has dimensional standards for duplex lots which exceed those of a single unit lot. R-1 zoning requires a minimum lot size of 9,000 square feet and a minimum lot width of 66 feet versus R-2 (duplex) zoning requires a minimum lot size of 9,750 square feet if more than one unit exists on the lot and the minimum lot width is increased to 75 feet. This further makes the case that duplex units are seen in the existing code as being two units on a shared singular lot.

While a residential district designation could theoretically be pursued through a re-platting process to combine the lots, this would reduce the development potential from six units to only two units and require significant modifications to the historical lot pattern. According to the 2022 Elbert County Housing Needs Assessment, approximately 3,050 housing units will be needed in the county over the next 10 years. While six units will not solve the county's housing needs, this proposal represents a measured approach to adding housing variety through incremental small-scale development on an already-serviced property. The Downtown District provides a solution, allowing these historical lots to be developed efficiently while maintaining compatibility with surrounding uses.

Banner Street currently hosts a variety of uses including Town Hall, the American Legion Hall, Elizabeth Presbyterian Church, and the Frontier Center alongside residential properties. This established pattern of diverse uses supports Goal 2 of the Comprehensive Plan, which emphasizes focusing new projects closer to the Town's core. The development also aligns with Policy 3.1, which requires that "the density or intensity of uses would be compatible with the general characteristics of the surrounding area," and Policy 1.4, which encourages "the diversification of Elizabeth's housing options to meet the full life cycle of the community's housing needs." The proposed single-family attached homes maintain residential character through individual entries, private garages, and fenced yards.

The proposal represents incremental infill development, utilizing existing Town infrastructure rather than requiring many new municipal investments or long-term maintenance commitments for a green-field development site. The Downtown District permits attached single-family dwellings while not allowing new detached single-family homes, making it the appropriate zoning designation for this development type. The property's current use as a parking lot presents an opportunity to make productive use of underutilized land near downtown, while its proximity to Main Street's amenities and services positions it well for this zoning transition.

Site Plan Case Analysis:

Staff finds that the proposed residential development and site plan displays general conformance with the applicable provisions of the EMC, the Elizabeth Comprehensive Plan, and the Town of Elizabeth Design Standards and Guidelines. As a reminder, the Town's regulatory authority over architectural elements is strictly limited to the standards outlined in these documents. Town staff has provided suggested findings and a recommendation at the end of this report.

Elizabeth Municipal Code (EMC):

The proposed single-family attached dwellings align with the permitted uses in the Downtown (DT) district. The following topics outline the specific analysis applied to the proposal in the context of the district's requirements:

- Bulk Standards: As proposed, the three paired-home structures comply with the setback, height, and lot coverage standards of the DT District.
- Drainage: The drainage plan includes detention facilities and has been reviewed for compliance with Town standards. Shared maintenance responsibility will be addressed through recorded easement agreements and binding buy/sell agreement clauses rather than an HOA structure.
- Floodplain: The floodplain does not impact the site.
- Traffic and Access: Site access is proposed through individual 16-foot curb cuts serving each unit. Each unit will be provided with two off-street garage parking spaces, meeting Town parking requirements.
- Parking: Each unit provides two garage parking spaces, meeting the residential parking requirements established by the EMC Section 16-6-10.
- Right-of-Way (ROW): Public sidewalk improvements are proposed along the property frontage to meet Town of Elizabeth standards.
- Landscaping: The proposed landscape plan meets the required 15% minimum of total site area with 42% of landscaped area in private yards, consisting of drought-tolerant turf, rock mulch ground

cover, and a mix of trees and shrubs. Street trees are provided at 40-foot intervals along public rights-of-way, and a 6-foot fence provides residential screening.

The Town of Elizabeth Design Standards and Guidelines:

The applicant has ensured consistency and efficiency when designing the single-family attached homes to adhere to the Town of Elizabeth's Design Standards and Guidelines.

- Building Mass & Scale: The buildings provide an appropriate transition between single-family homes and the larger scale of nearby structures, particularly the Frontier Center.
- Building Materials: The exterior materials include stone and vertical siding, meeting Town standards for acceptable materials.
- Architectural Style: The buildings meet all Town standards for architectural treatment including massing, articulation, and window placement.

Following the Planning Commission hearing, the applicant voluntarily submitted revised building elevations that maintain compliance with Town standards while incorporating additional architectural elements. These revisions include the replacement of stucco with vertical siding, conversion of flat roofs to gable roofs, addition of dormers, extended stone detailing, and enhanced window patterns. These modifications reflect design features commonly found in the surrounding area while adhering to adopted Town standards.

Elizabeth Comprehensive Plan:

Staff has found that the proposed site plan complies with the Town's adopted Comprehensive Plan. The site plan implements several Comprehensive Plan goals:

- The infill development of an underutilized parking lot supports Goal 2's emphasis on focusing development near the Town's core.
- The site design maintains compatibility with surrounding uses while allowing for appropriate intensification, consistent with Policy 3.1.
- The pedestrian-oriented design with individual entries and street-facing facades supports Policy 3.3's emphasis on enhanced connectivity.

Neighborhood Meeting:

The neighborhood meeting for 530-580 S. Banner Street was held on November 30th, 2023, at the Frontier Center at 589 S. Banner Street. It was identified by the developer that the project would include six for sale units and a rezone from PI – Public Institution to DT – Downtown District. Those in attendance had many questions and concerns including:

- Concerns around density since many homes in the area are on two historic lots.
- Concerns around the color of the units.
- Concerns around if there will be trees on the lots.
- Question on why Downtown District. Addressed as this zone type would accommodate the project and it is directly adjacent to Downtown District.
- Question around where people will park who use Frontier Center. Addressed as the lot is not required at this time for current use of Frontier Center.
- A conversation was had around future uses of Frontier Center and that there was enough parking available near the playground for staff and other anticipated demand.
- There was also citizen appreciation for district utilizing Frontier Center buildings.
- Additional appreciation was given for listening to the community and keeping Frontier Center (not demolishing or selling).

Findings and Staff Recommendation:

The Banner Street Paired Homes rezoning application has been reviewed and approved by the development review team and staff in accordance with Chapter 16 of the EMC.

Findings:

1. A need exists for the proposal: The rezoning to Downtown District provides housing options near Elizabeth's downtown core through a residential format that maintains single-family characteristics.
2. The particular parcel of ground is indeed the correct site for the proposed development: The property's location adjacent to the existing Downtown District and proximity to Main Street makes it well-suited for this transition, while its current use as a parking lot presents an opportunity for infill development.
3. There has been an error in the original zoning: No evidence suggests an error in the original Public Institutional zoning. This rezoning is based on evolving land use patterns and the property's transition from school district ownership.
4. There have been significant changes in the area to warrant a zone change: The presence of mixed uses along Banner Street, including Town Hall, American Legion Hall, Elizabeth Presbyterian Church, and Frontier Center, demonstrates compatibility with the proposed Downtown District zoning.
5. Adequate circulation exists and traffic movement would not be impeded by development: The property's location on Banner Street provides adequate circulation, and the proposed individual garage parking for each unit ensures minimal traffic impact.

6. Additional municipal service costs will not be incurred which the Town is not prepared to meet: The proposed Downtown District zoning is not anticipated to incur additional municipal service costs beyond what the Town is prepared to meet, as the site is already served by existing infrastructure.
7. There are minimal environmental impacts or impacts can be mitigated: As the site has been previously developed as a parking lot, no significant environmental impacts are anticipated. The proposed drainage and detention improvements will enhance current conditions.
8. The proposal is consistent with the Town Master Plan maps, goals and policies: The proposal aligns with goals for downtown expansion and housing diversity while maintaining neighborhood compatibility through appropriate scale and design.
9. There is adequate waste and sewage disposal, water, schools, parks and recreation, and other services to the proportional degree necessary due to the impacts created by the proposed land use: The site is already connected to Town services and utilities, and the proposed residential density is compatible with existing infrastructure capacity.

Staff Recommendation:

Based on the analysis above, staff finds that the proposed rezoning from Public Institutional (PI) to Downtown (DT) District for 530-580 Banner Street meets the criteria set forth in Chapter 16 of the Elizabeth Municipal Code. The concurrent site plan for three paired-home buildings demonstrates compliance with all applicable development standards. Staff recommends the Board of Trustees approve Ordinance 24-15, an ordinance rezoning 530-580 Banner Street from Public Institutional (PI) to Downtown (DT) District. Staff also recommends the Board of Trustees approve Resolution 24R51, a resolution approving the Banner Street Paired Homes Site Plan.

ATTACHMENT(S)

Ordinance 24-15

Resolution 24R51

Site Plan Agreement

Attachment A

Attachment B

Attachment C

ORDINANCE 24-15

AN ORDINANCE REZONING CERTAIN PROPERTY LOCATED ON BANNER STREET FROM PUBLIC, SEMI-PUBLIC AND INSTITUTIONAL (P-1) DISTRICT TO DOWNTOWN (DT) DISTRICT

BE IT ORDAINED BY THE BOARD OF TRUSTEES FOR THE TOWN OF ELIZABETH, COLORADO, THAT:

Section 1. Findings of Fact.

A. The Town desires to rezone certain property within the Town of Elizabeth, Colorado, as more particularly described in **Exhibit A**, attached hereto, and incorporated herein by this reference (the "Property") from Public, Semi-Public and Institutional (P-1) District to Downtown (DT) District.

B. Public notice has been given of such rezoning pursuant to Section 16-4-30 of the Town of Elizabeth Municipal Code more than fifteen (15) days in advance of the public hearing.

C. A need exists for rezoning the Property pursuant to Section 16-1-240(8)f. of the Town of Elizabeth Municipal Code.

Section 2. The Property is hereby rezoned from Public, Semi-Public and Institutional (P-1) District to Downtown (DT) District.

Section 3. The Zoning Ordinance and Zoning Map are hereby amended to conform to the zoning change for the Property.

Section 4. 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 5. 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 6. 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 _____, 2024.

Passed by a vote of _____ for and _____ against and ordered published.

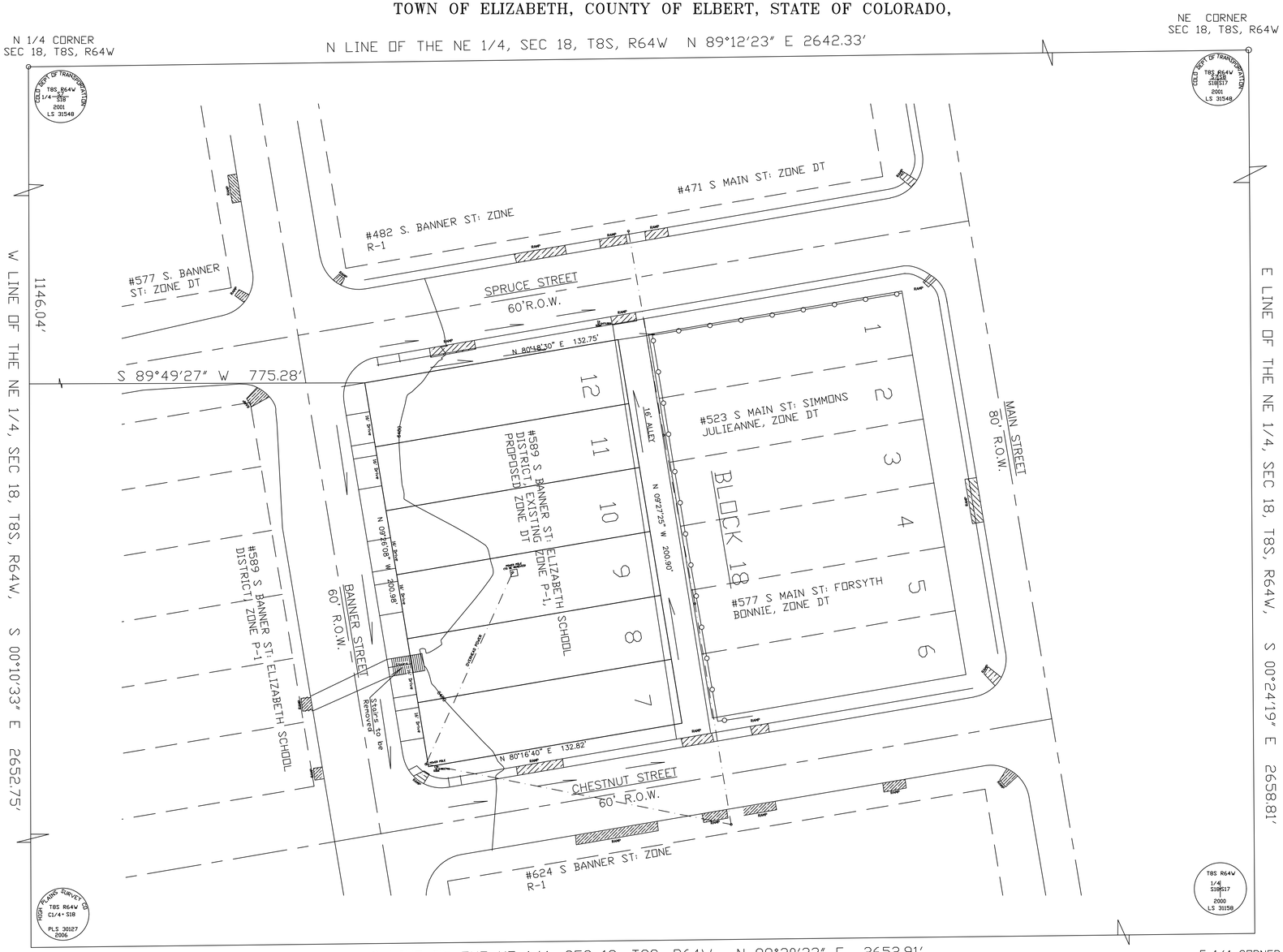
_____
Angela Ternus, Mayor

ATTEST

_____
Michelle M. Oeser, Town Clerk

BANNER STREET PAIRED HOMES REZONE EXHIBIT

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH
LOCATED IN THE NE 1/4 OF SECTION 18, T 8 S, R 64 W, OF THE 6th P.M.
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO,



VICINITY MAP
(Not to Scale)

OWNER: ELIZABETH SCHOOL DISTRICT, 634 S. ELBERT STREET, PO BOX 250, ELIZABETH CO. 80107,303-646-1836
APPLICANT: LG DESIGNS & CONSTRUCTION, LLC

LAND AREA: 26,682 Square Feet
EXISTING ZONING: Public/Institutional (P-I)
PROPOSED ZONING: Downtown (DT)
PROPOSED USE: Single Family Attached
AVERAGE LOT SIZE: 4,448 Square Feet
PROPOSED DENSITY: One Unit Per Lot

1. BANNER STREET HOMES, TO BE 6 SINGLE FAMILY ATTACHED UNITS.
2. NO LAND DEDICATIONS.
3. THERE ARE NO UNIQUE FEATURES ON THIS SITE.

LEGAL DESCRIPTION:
LOTS 7, 8, 9, 10, 11, 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.

STANDARD NOTES:

1. NOTICE ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTIO BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.
2. 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, COLORADO REVISED STATUTES.
3. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH TO DETERMINE OWNERSHIP.
4. THIS SURVEY IS NOT A GUARANTY OR WARRANTY, EITHER EXPRESSED OR IMPLIED

BASE LINE – BASIS OF BEARINGS THE West LINE OF THE NORTHEAST 1/4, SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN S 00°10'33" E 2652.75' MONUMENTED AS SHOWN

30 15 0 30 60

SCALE: 1" = 30'

N

CERTIFICATION:

I, DANIEL J KALMES, A REGISTERED LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY SUPERVISION AND IT IS ACCURATE TO THE BEST OF MY KNOWLEDGE, AND IS BASED UPON PROFESSIONAL LAND SURVEYOR'S KNOWLEDGE, INFORMATION AND BELIEF, AND IS IN ACCORDANCE WITH APPLICABLE STANDARDS OF PRACTICE. THIS SURVEY IS MADE FOR THE ABOVE STATED PURPOSE ONLY AND NO OTHER RESPONSIBILITY IS HEREBY ASSUMED. THIS SURVEY IS NOT A GUARANTY OR WARRANTY, EITHER EXPRESSED OR IMPLIED.

COLORADO REGISTERED DANIEL J. KALMES 16409 PROFESSIONAL LAND SURVEYOR

DANIEL J KALMES LS 16409 03/20/2024

KMD inc.
4901 E DRY CREEK RD
Suite #208
Centennial, CO. 80122
PH: 303-773-8770
dkalmes@kmd-inc.com

Clerk and Recorder:

STATE OF COLORADO)
SS)
COUNTY OF ELBERT)

I hereby certify that this plat was filed in my office on this __, day of _____, 20__, A.D., at ____, pm., and was recorded at Reception Number _____,

_____,
County Clerk and Recorder

RESOLUTION 24R51

A RESOLUTION APPROVING THE SITE DEVELOPMENT PLAN FOR THE BANNER PAIRED HOMES PROJECT

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 Banner Paired Homes Project, 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 _____, 2024, 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

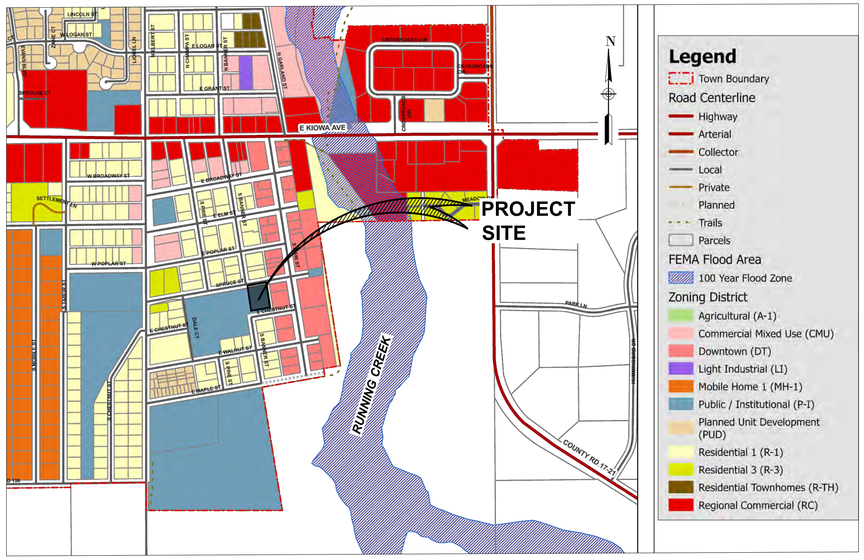
ATTEST

_____
Michelle M. Oeser, Town Clerk

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET



VICINITY MAP
SCALE 1" = 500'

PROJECT DESCRIPTION:

PROJECT DESCRIPTION:
THE PROJECT CONSISTS OF THE CONSTRUCTION OF SIX PAIRED HOMES ON SIX LOTS WITH THREE STRUCTURES (THREE STORIES EACH). INCLUDED WITH THE DEVELOPMENT WILL BE TWO CAR GARAGES FOR EACH UNIT, BACK YARD AMENITY SPACE, PERMANENT DETENTION AND WATER QUALITY FACILITIES AND APPURTENANT LANDSCAPING.

EXISTING CONDITIONS:
THE PROJECT AREA IS CURRENTLY ZONED AS P-I PUBLIC/INSTITUTIONAL AND WILL BE REZONED CONCURRENT WITH THIS SDP. IT IS CURRENTLY COVERED BY ASPHALT (OLD PARKING LOT) AND WEEDS AND DIRT, AS AN AUXILIARY USE FOR THE SCHOOL BUILDING ACROSS BANNER STREET. THE GROUND FALLS WEST TO EAST WITH STEEP GRADES FROM BANNER AND AGAIN AT THE PUBLIC ALLEY.

PROPOSED CONDITIONS:
THE PROJECT ONCE DEVELOPED WILL INCLUDE THREE BUILDINGS, DRIVEWAYS ALONG BANNER STREET AND LANDSCAPED BACK YARDS TO THE EAST FOR SIX PAIRED HOMESITES. THE PREVIOUSLY UNDETAINED AND UNTREATED STORM WATER FLOWS WILL BE ROUTED TO A NEW WATER QUALITY AND DETENTION POND, WHICH WILL DISCHARGE TO THE EXISTING STORM SEWER IN CHESTNUT STREET.

GENERAL SITE DATA:

ZONING:	DOWNTOWN (DT)
CURRENT USE:	PARKING LOT
PROPOSED USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOMES
PROPERTY AREA:	26,682 SF (0.61 ACRES)
DISTURBED AREA (LOC):	0.78 ACRES
LATITUDE:	39°21'29.0"N
LONGITUDE:	104°35'44.8"W

GENERAL SITE DATA:

		% OF LOT
LOT 7:		
TOTAL LOT AREA:	4,536 SF/ 0.104 AC	
TOTAL DWELLING UNITS:	1 (1/2 OF A PAIRED HOME)	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	37.0%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 8:		
TOTAL LOT AREA:	4,382 SF/ 0.101 AC	
TOTAL # BLDGS:	1 (1/2 OF A PAIRED HOME)	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 9:		
TOTAL LOT AREA:	4,382 SF/ 0.101 AC	
TOTAL # BLDGS:	1 (1/2 OF A PAIRED HOME)	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 10:		
TOTAL LOT AREA:	4,382 SF/ 0.101 AC	
TOTAL # BLDGS:	1	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 11:		
TOTAL LOT AREA:	4,381 SF/ 0.101 AC	
TOTAL # BLDGS:	1 (1/2 OF A PAIRED HOME)	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 12:		
TOTAL LOT AREA:	4,618 SF/ 0.106 AC	
TOTAL # BLDGS:	1	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	36.4%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	

PARKING TOTALS

LOT 7 - LOT 12	2 GARAGE SPACES EACH
TOTAL # OF SPACES:	12 GARAGE SPACES E

LEGAL DESCRIPTION:

LOTS 7 THRU 12, BLOCK 18, PHILIPS ADDITION TO THE TOWN OF ELIZABETH
LOCATED IN THE NE 1/4 OF SECTION 18, T 8 S, R 64 W, OF THE 6TH P.M.
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.

BENCHMARK:

88 DATUM BASED UPON GPS OBSERVATION.
LS 31548 BRASS CAP LOCATED AT NW CORNER OF SITE.
ELEV = 6499.2

BASIS OF BEARINGS:

THE WEST LINE OF THE NORTHEAST ¼, SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, S00°10'35" E, 2652.75"

SHEET INDEX:

1 COVER
2 SITE PLAN
3 OVERALL GRADING PLAN
4 GRADING DETAILS
5 OVERALL UTILITY PLAN
6 LANDSCAPE PLAN
7 LANDSCAPE NOTES AND DETAILS
8 ARCHITECTURE, BUILDING ELEVATIONS
9 PHOTOMETRIC PLAN

APPLICANT/DEVELOPER SIGNATURE BLOCK

BANNER PAIRED HOMES DATE

DT (DOWNTOWN) ZONING DISTRICT DIMENSIONAL STANDARDS:

BLDG HEIGHT:	30' MAX HEIGHT
SETBACKS:	0' - FRONT PUBLIC RIGHT OF WAY 5' - REAR 0' - INTERIOR SIDE 5' - STREET SIDE PUBLIC ROW
MIN LOT/SPACE SIZE	800 SF
MAX LOT/SPACE COVERAGE	
1) UNDER ROOF	70%
2) MINIMUM VEGETATIVE AREA	5%
MINIMUM WIDTH OF LOT/SPACE	32 FT

CONTACT LIST:

OWNER
ELIZABETH SCHOOL DISTRICT
634 S. ELBERT STREET
PO BOX 250
ELIZABETH, CO 80107
303-646-1836

APPLICANT/DEVELOPER
LG DESIGNS AND CONSTRUCTION LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116
303-803-6326

CIVIL ENGINEER
ROTH LANG ENGINEERING GROUP, LLC
6855 S. HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
303-841-9365

ARCHITECT
WONG STRAUCH ARCHITECTS
820 SANTA FE DRIVE
DENVER, CO 80204
303-293-9206

SURVEYOR
KMD INC.
4901 E. DRY CREEK ROAD, SUITE 208
CENTENNIAL, CO 80122
303-773-8770

LANDSCAPE ARCHITECT
TIM DUNN DESIGN
720-350-2411
TADUNN1958@GMAIL.COM

COVER

SHEET NUMBER:
1 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

LINETYPE LEGEND

PROPOSED		EXISTING
	CENTERLINE OF ROAD	
	DRAINAGE SWALE	
	FENCE - WOOD POST	
	PROPERTY BOUNDARY	
	RETAINING WALL	
	RIGHT-OF-WAY LINE	
	HANDRAIL	

SYMBOLS LEGEND

	CROSSWALK	
	DOOR	
	FIRE HYDRANT	
	STREET SIGN	
	PRIVATE BUILDING ENTRANCE	

HATCHING LEGEND

	CONCRETE PAVING
	EX CONCRETE PAVING
	SAND FILTER
	DETENTION POND

HORIZONTAL SCALE: 1" = 10'

PUBLIC ALLEY (16' ROW)
SPRUCE ST (60' ROW)
CHESTNUT ST (60' ROW)
BANNER ST (60' ROW)

EX 12' CURB CUT
EX 14' CURB CUT
EX 26' CURB CUT
EX 13' CURB CUT TO REMAIN
EX WOOD / CHAIN LINK FENCE
EX EOP TO REMAIN
EX CORE OVERHEAD FACILITIES TO PROVIDE ELECTRIC TO THE 6 LOTS
16' ROW
132 LF DRY STACK RETAINING WALL
EDB DETENTION POND 66' L X 12' W
WALL
SAFETY RAILING
S09° 27' 25"E 200.90'
5' REAR SETBACK
18.5' DE & UE (SEE NOTE #3)
EX 16' CURB CUT TO REMAIN
EX 13' CURB CUT
NOT SOURCE FOR ELECTRIC
5' SIDE STREET SETBACK
5' CONC SLWK
EXISTING CURB TO REMAIN
6.5' WALL- SWALE
63 LF GRASS SWALE
19' DE & UE (SEE NOTE #3)
5' NONEXCLUSIVE UE (SEE NOTE #2)
10' NONEXCLUSIVE UE (SEE NOTE #2)
35' LOT WIDTH
33' LOT WIDTH
34' LOT WIDTH
62.7' PL-BLDG
62.8' PL-BLDG
LOT 12 4,618 SQ FT (0.11-AC)
LOT 11 4,381 SQ FT (0.10-AC)
LOT 10 4,382 SQ FT (0.10-AC)
LOT 9 4,382 SQ FT (0.10-AC)
LOT 8 4,382 SQ FT (0.10-AC)
LOT 7 4,536 SQ FT (0.10-AC)
YARD
S80° 33' 52"W 132.76'
S80° 33' 52"W 132.77'
S80° 33' 52"W 132.78'
S80° 33' 52"W 132.80'
S80° 33' 52"W 132.81'
15' DE & UE (SEE NOTE #3)
LOT LINE (TYP)
PATIO OVHG
PATIO STAIRS
PATIO (TYP)
PATIO DOOR
6.8' PL-BLDG
10' BLDG-BLDG
6.14' PL-BLDG
LOT 12 530 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 11 540 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 10 550 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 9 560 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 8 570 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 7 580 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
56'
60'
66 LF GRASS SWALE
68 LF GRASS SWALE
10' BLDG-BLDG
GAS METER (TYP)
KNOX BOX
ELEC METER (TYP)
20' X 22' GARAGE
DOOR
STEPS W/ HANDRAIL
16' GARAGE DOOR
5' CONC SWLK
10' PL-BLDG
6.4' PL-BLDG
DRIVEWAY
16'
16.5'
S80° 18' 30"W 132.75'
N80° 16' 40"E 132.82'
23.6 LF 6" CATCH CURB AND GUTTER PER TOE STD DETAIL RD-1A
35.9' FL-FL
6.6' PL-BLDG
EXISTING CURB TO REMAIN
EXISTING CURB RAMP TO REMAIN
R20'
EX CURB RAMP TO BE REMOVED AND REPLACED WITH HANDICAP RAMP TOWN OF ELIZABETH STD DETAIL RD-3A
S09° 26' 08"E 200.98'
7.3'
1,291 SQ FT CONCRETE PAD AND ROADWAY REMOVAL
177 LF COMBINATION CURB GUTTER AND SIDEWALK PER TOE STD DETAIL RD-1B
35.3' FL-FL
42.1' FL-FL
60' ROW
EXISTING CROSSWALK
EXISTING STREET LIGHT TO REMAIN
EXISTING CURB TO REMAIN
EXISTING SIDEWALK TO REMAIN
4.5' EX SWLK
35.5' FL-FL
60.17' ROW
EXISTING STOP SIGN TO REMAIN

NOTES:

1. CONTRACTOR TO PROVIDE A 9-INCH DEEP DRAINAGE CLEARANCE FROM BOTTOM OF FENCE TO SWALE FLOWLINE.
2. NONEXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
3. NONEXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
4. MAINTENANCE OF THE ON-SITE DRAINAGE FACILITY WILL BE THE RESPONSIBILITY OF ALL LOT OWNERS.

KEY:

1. EXTERIOR LIGHTING FIXTURE
2. PRIVATE GARAGE DOOR
3. PRIVATE GATE
4. PRIVATE WOOD FENCE
5. EX CURB CUT TO BE REMOVED
6. GARAGE MAN DOOR
7. RELOCATED STOP SIGN
8. ACCESS GATE IN FENCE BETWEEN LOTS FOR FIRE DEPT
9. DRAINAGE SWALE CROSSING UNDERNEATH FENCE (SEE NOTE #1)

SITE PLAN

SHEET NUMBER:
2 OF 9

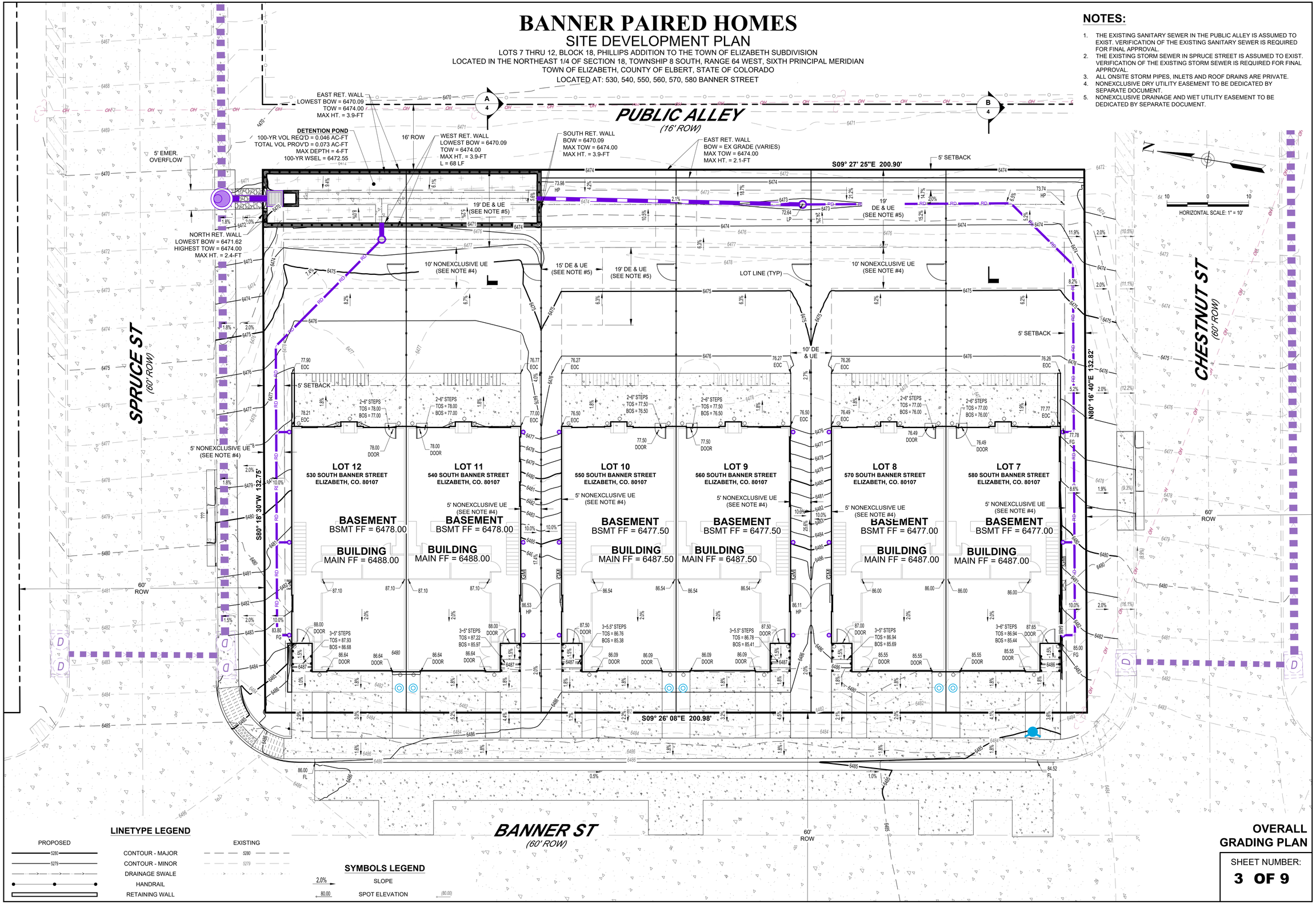
BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

NOTES:

1. THE EXISTING SANITARY SEWER IN THE PUBLIC ALLEY IS ASSUMED TO EXIST. VERIFICATION OF THE EXISTING SANITARY SEWER IS REQUIRED FOR FINAL APPROVAL.
2. THE EXISTING STORM SEWER IN SPRUCE STREET IS ASSUMED TO EXIST. VERIFICATION OF THE EXISTING STORM SEWER IS REQUIRED FOR FINAL APPROVAL.
3. ALL ONSITE STORM PIPES, INLETS AND ROOF DRAINS ARE PRIVATE.
4. NONEXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
5. NONEXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.



LINETYPE LEGEND

PROPOSED		EXISTING
5280	CONTOUR - MAJOR	5280
5279	CONTOUR - MINOR	5279
	DRAINAGE SWALE	
	HANDRAIL	
	RETAINING WALL	

SYMBOLS LEGEND

2.0%	SLOPE
80.00	SPOT ELEVATION
(80.00)	

OVERALL GRADING PLAN

SHEET NUMBER:
3 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
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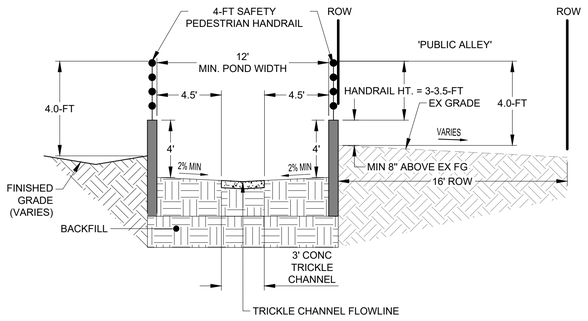
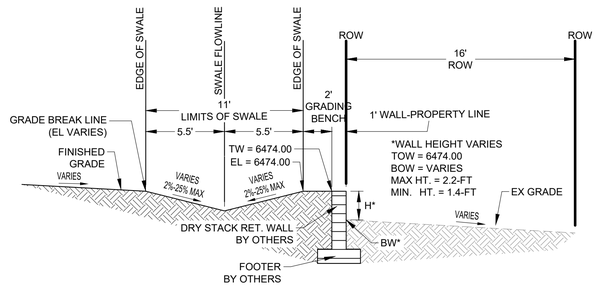


A 3 TYP. POND DETAIL SECTION
SCALE: 1" = 5'



B 3 LOT SWALE AND DRY STACK WALL DETAIL
SCALE: 1" = 5'

GRADING DETAILS

SHEET NUMBER:
4 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

KEY:

1. 3/4" OUTSIDE WATER METER IN PIT
2. 3/4" TYPE K CU PIPE DOMESTIC WATER SRVC
3. 3/4" CURB STOP
4. 3/4" CORP STOP FOR DOMESTIC WATER SRVC
5. ELECTRICAL METER
6. GAS METER

LINETYPE LEGEND

	PROPOSED	EXISTING
SANITARY SEWER		
STORM SEWER		
WATER LINE	W W	W W

HORIZONTAL SCALE: 1" = 10'

PUBLIC ALLEY (16' ROW)

16' ROW

EX 8" PVC (PUBLIC)

SEE NOTE #2

EX 8" PVC (PUBLIC)

EX 8" PVC (PUBLIC)

EX 8" PVC (PUBLIC)

S09° 27' 25"E 200.90'

5' REAR SETBACK

SPRUCE ST (60' ROW)

CHESTNUT ST (60' ROW)

EX 18" RCP (PUBLIC)

4' DIA FLAT TOP MH (PUBLIC)

OUTLET STRUCTURE TYPE C INLET

15" RCP

12" PVC (PRIVATE)

19' DE & UE (SEE NOTE #5)

6" SS SVC

18" INLET LS (PRIVATE)

6" PVC (PRVATE)

RD

10' NONEXCLUSIVE UE (SEE NOTE #4)

15' DE & UE (SEE NOTE #5)

6" CO

12" PVC (PRIVATE)

18" INLET LS (PRIVATE)

19' DE & UE (SEE NOTE #5)

LOT LINE (TYP)

5' SIDE SETBACK

6" PVC (PRVATE)

S80° 18' 30"W 132.75'

N80° 16' 40"E 132.82'

INV. OUT (6") = 6474.50 (E)

INV. OUT (6") = 6470.32 (E)

INV. OUT (6") = 6473.50 (E)

ROOF DRAIN (PRIVATE)

INV. OUT (6") = 6474.50 (E)

INV. OUT (6") = 6470.36 (E)

INV. OUT (6") = 6473.50 (E)

5' NONEXCLUSIVE UE (SEE NOTE #4)

LOT 12
530 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 11
540 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 10
550 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 9
560 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 8
570 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 7
580 SOUTH BANNER STREET
ELIZABETH, CO. 80107

6" PVC (PRVATE)

5' SIDE SETBACK

60' ROW

EX TYPE R - 10' (PUBLIC)

EX 12" RCP

EX TYPE R - 10' (PUBLIC)

EX TYPE R - 5' (PUBLIC)

EX TYPE R - 5' (PUBLIC)

EX STOP SIGN TO REMAIN

EX ELEC POLE TO REMAIN

PR FIRE HYDRANT RELOCATION

EX FH TO BE RELOCATED NORTH OUT OF SIDEWALK PATH

6" DIP FIRE HYDRANT LINE

6" GATE VALVE

8"X6" TEE FOR FIRE HYDRANT LINE

S09° 26' 08"E 200.98'

EX 8" WAT

EX 8" PVC

BANNER ST (60' ROW)

NOTES:

1. ALL PROPOSED UTILITIES ARE DEEMED PRIVATE UNLESS NOTED OTHERWISE.
2. THE SLOPE OF THE EXISTING SANITARY SEWER IN THE PUBLIC ALLEY IS ASSUMED.
3. ALL ONSITE STORM AND ROOF DRAINS ARE PRIVATE.
4. NONEXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
5. NONEXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
6. MAINTENANCE OF THE ON-SITE DRAINAGE FACILITY WILL BE THE RESPONSIBILITY OF ALL LOT OWNERS.

SYMBOLS LEGEND

- CURB STOP/ CORP STOP
- FIRE HYDRANT
- STORM INLET
- STORM MANHOLE
- UTILITY POLE
- WATER METER

OVERALL UTILITY PLAN

SHEET NUMBER:
5 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

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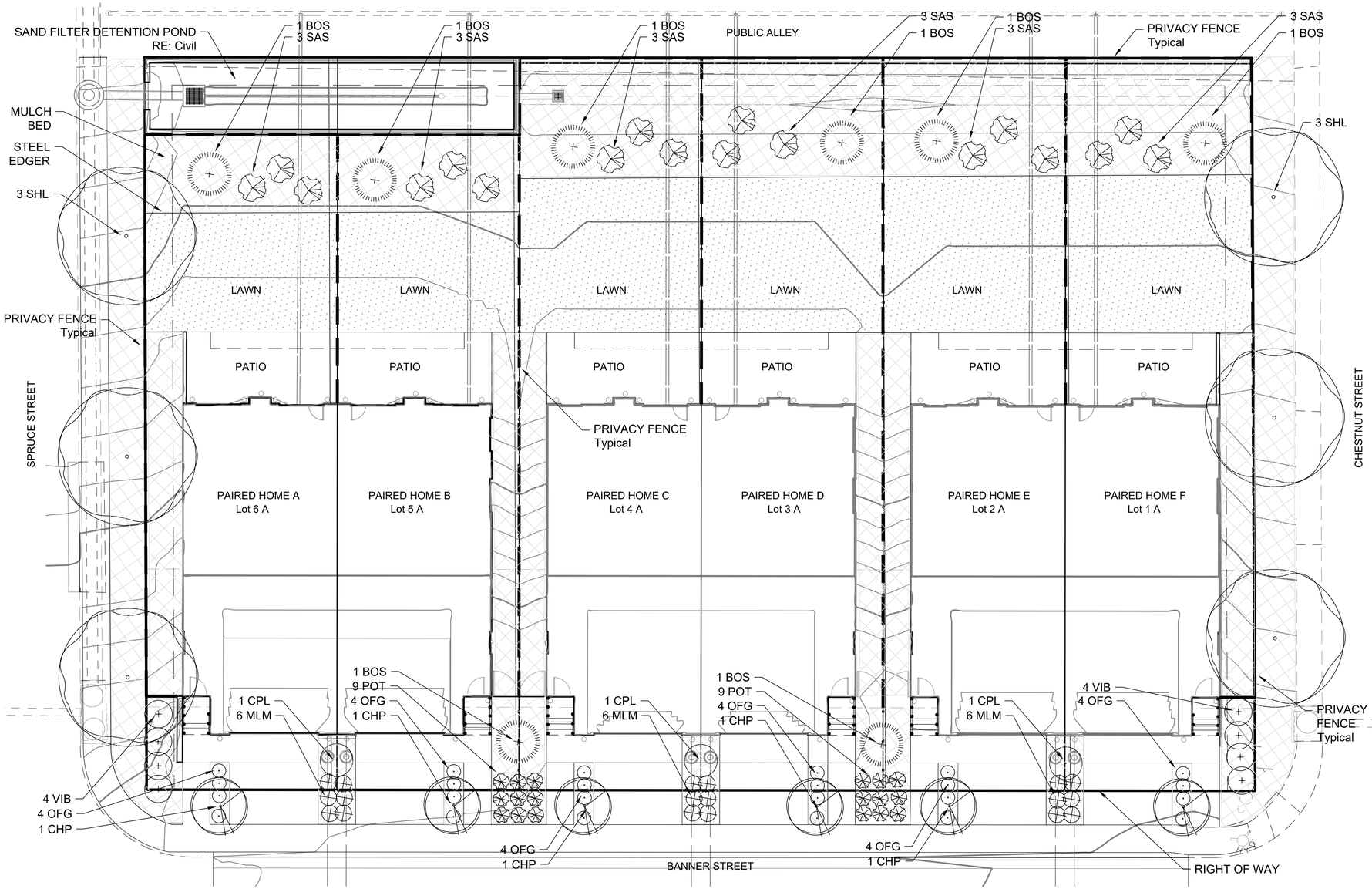

0 10' 20'

North Scale 1"=10'

Landscape Requirements
Municipal Code Section 16-2-50

Public Improvements

Spruce Street
3 trees required - 3 trees provide

Chestnut Street
3 trees required - 3 trees provided

Banner Street
5 trees required - 6 trees provided
10 shrubs required - 12 shrubs provided

Landscape Area 1,800 sf
(1 tree & 5 shrubs / 1,500 sf landscape area)

Legend

Drought tolerant turf in rear yards
Irrigated Thermal Blue Texas Hybrid Turf
Total turf area - 5,200 sf

Rock mulch
Crushed granite rock 2"-3" depth over weed barrier
Total rock area Public Improvement - 1,800 sf
Total rock area Private Yards - 6,020 sf

6' Privacy Fence
See fence detail sheet

Prepared by:

Tim Dunn Design
Landscape Architecture
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720.350.2411
tadunn1958@gmail.com

TIM DUNN 400 — 02/15/2008 — Original Date of Licensure — STATE OF COLORADO — LANDSCAPE ARCHITECT — LANDSCAPE ARCHITECT, TIM DUNN, COLORADO LICENSE #400

Landscape Plan

SHEET NUMBER:
6 of 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

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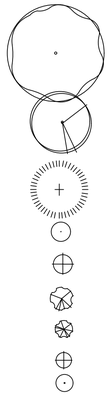


QUAN.	KEY	COMMON NAME	BOTANICAL NAME	SIZE	CONDITION	Water Use	MATURE SIZE height:width
6	SHL	SKYLINE HONEYLOCUST	Gleditsia triacanthos var.inermis 'Skyline'	2" CAL.	B&B	low	50'x35'
6	CHP	CHANTICLEER PEAR	Pyrus calleryana 'Chanticleer'	1.5" CAL.	B&B	medium	25'x15'
8	BOS	BOSNIAN PINE	Pinus heldreichii (leucodermis)	6'-8' ht.	B&B	low	25'x15'
6	CPL	COMMON PURPLE LILAC	Syringa vulgaris	5 gallon	container	low	8'x6'
8	VIB	MOHICAN VIBURNUM	Viburnum lantana 'Mohican'	5 gallon	container	low	8'x6'
18	SAS	SASKATOON SERVICEBERRY	Amelanchier alnifolia	5 gallon	container	low	15'x8'
18	POT	CORONATION TRIUMPH POTENTILLA	Potentilla fruticosa 'Coronation Triumph'	5 gallon	container	low	4'x3'
12	MLM	MORNING LIGHT MISCANTHUS	Miscanthus sinensis 'Morning Light'	1 gallon	container	low	4'x3'
24	OFG	ORNAMENTAL FOUNTAIN GRASS	Pennisetum orientale	1 gallon	container	low	3'x3'

GENERAL LANDSCAPE NOTES

1. ALL WORK SHALL CONFORM TO LOCAL CITY AND COUNTY CODES. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THE LANDSCAPE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.

2. THE OWNER, SUCCESSORS, AND ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, AND REPLACEMENT OF ALL LANDSCAPING MATERIALS SHOWN OR INDICATED ON THE APPROVED SITE PLAN OR LANDSCAPE PLANS ON FILE WITH THE CITY PLANNING DEPARTMENT. ALL LANDSCAPING SHALL BE INSTALLED AS SHOWN ON THE LANDSCAPE PLANS PRIOR TO THE ISSUANCE FOR THE CERTIFICATE OF OCCUPANCY,

3. CONTRACTOR SHALL VERIFY (CALL FOR UTILITY LOCATES) LOCATION OF ALL EXISTING UTILITIES AND STRUCTURES PRIOR TO EXCAVATION OR TRENCHING.

4. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF ANY SETTLING DUE TO EXCAVATION AND TRENCHING.

5. CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING ADJACENT PROPERTY'S AMENITIES/ IMPROVEMENTS, UNLESS OTHERWISE NOTED.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY DAMAGE DUE TO PROJECT'S CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIR TO UTILITIES, ADJACENT LANDSCAPE, AND THE SUBCONTRACTOR'S OPERATIONS DURING CONSTRUCTION AND/ OR THE SPECIFIED MAINTENANCE PERIOD. THE CONTRACTOR SHALL FULLY COMPENSATE THE OWNER FOR ANYTHING DISTURBED AND/ OR DESTROYED THAT IS NOT DESIGNATED FOR DEMOLITION.

7. ALL UTILITY EASEMENTS SHALL REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR USE OF MAINTENANCE EQUIPMENT ENTRY.

8. SEE CIVIL ENGINEER'S DRAWINGS FOR GRADING AND DRAINAGE, EROSION CONTROL, PAVING AND SLEEVES, UTILITIES, AND OTHER ENGINEERED DETAILS.

9. ALL LANDSCAPE BED AREAS AND TURF AREAS SHALL RECEIVE SOIL PREPARATION AT A RATE OF (4) FOUR CUBIC YARDS PER 1,000 SQUARE FEET. PRIOR TO LANDSCAPE INSTALLATION A SOILS TEST SHALL BE PREFORMED TO DETERMINE THE SPECIFICS OF THE SOIL AMENDMENT FOR TURF AREAS. IRRIGATED NATIVE AREAS TO RECEIVE 1 CUBIC YARD PER 1000 SQUARE FEET. NON-IRRIGATED NATIVE SEED AREAS DO NOT RECEIVE ANY SOIL AMENDMENT.

10. STEEL EDGER SHALL BE PROVIDED AROUND ALL PLANTING BEDS AS SHOWN ON PLANS AND ADJACENT TURF AREAS. EDGER SHALL BE GALVANIZED STEEL, ROLLED TOP EDGE, AND INTERLOCKING. EDGER IS NOT NECESSARY ADJACENTLY-PARALLEL TO CURBS, WALLS, AND WALKS. EDGER IS NOT NECESSARY FOR TREES AND SHRUBS IN NATIVE AREAS.

11. ALL PLANTING BEDS SHALL BE MULCHED WITH 2"-3" DEPTH GRANITE MULCH 1.5" DIAMETER. APPLY A PRE-EMERGENT HERBICIDE IN BED AREAS.

12. ALL PLANTS OF THE SAME SPECIES AND SIZE SHALL HAVE MATCHING HEIGHT AND FORM, UNLESS OTHERWISE NOTED. ALL PLANTS SHALL CONFORM TO THE "AMERICAN STANDARD FOR NURSERY STOCK."

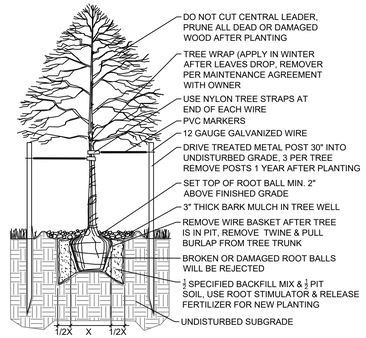
13. ALL PLANTS SHALL BE PLANTED USING AN EQUALLY SPACED TRIANGULAR PATTERN, UNLESS OTHERWISE NOTED AND/ OR SHOWN ON THE LANDSCAPE DRAWINGS.

14. CONTRACTOR SHALL REPORT ANY DISCREPANCY FOUND IN THE FIELD VERSUS THE LANDSCAPE DRAWINGS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, OWNER'S REPRESENTATIVE, AND/ OR THE CITY/ COUNTY PRIOR TO ANY CONSTRUCTION OR DEMOLITION ACTIVITY. FAILURE TO MAKE SUCH CONFLICTS KNOWN WILL RESULT IN THE CONTRACTOR'S LIABILITY TO RELOCATE OR REPAIR.

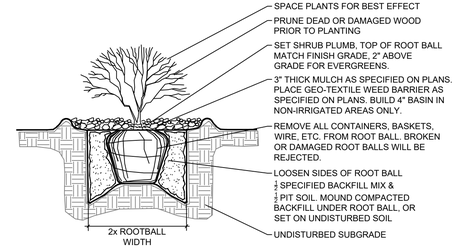
15. THE FINAL LOCATION OF ALL PLANTS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

16. CONTRACTOR SHALL PROVIDE AT LEAST A ONE YEAR WARRANTY FOR ALL PLANT MATERIAL FROM THE DATE OF FINAL INSPECTION, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, OWNER, OR CITY/ COUNTY.

17. ALL LAWN AND NATIVE GRASS AREAS SHALL BE IRRIGATED. ALL PLANTING MATERIAL IN BEDS SHALL BE DRIP IRRIGATED. ALL IRRIGATION SHALL BE AN AUTOMATIC UNDERGROUND SYSTEM. IRRIGATION TO BE DESIGN/BUILD BY CONTRACTOR.

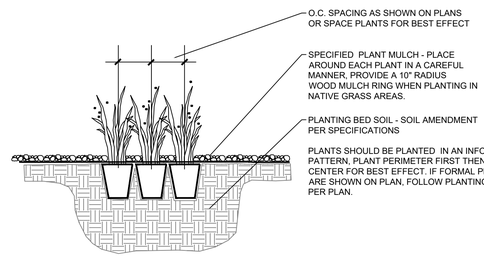


1 L.2 Deciduous Tree Planting Detail

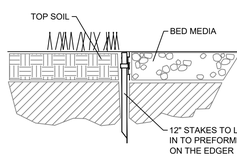


3 L.2 Shrub Planting Detail

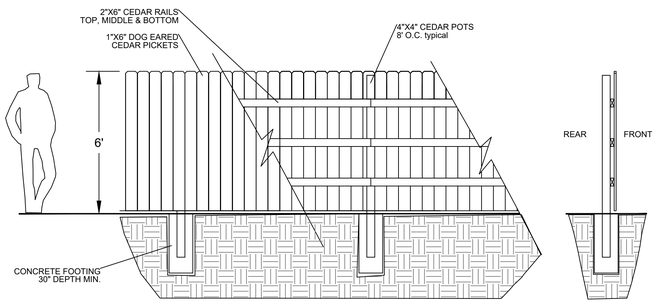
2 L.2 Evergreen Tree Planting Detail



4 L.2 Perennial & Grass Planting Detail



5 L.2 Steel Edger Detail



6 L.2 6' Privacy Fence Detail

Prepared by:

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June 11, 2024

Landscape Notes & Details

SHEET NUMBER:
7 of 9

BANNER ATTACHED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
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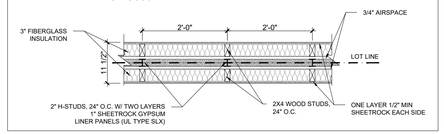
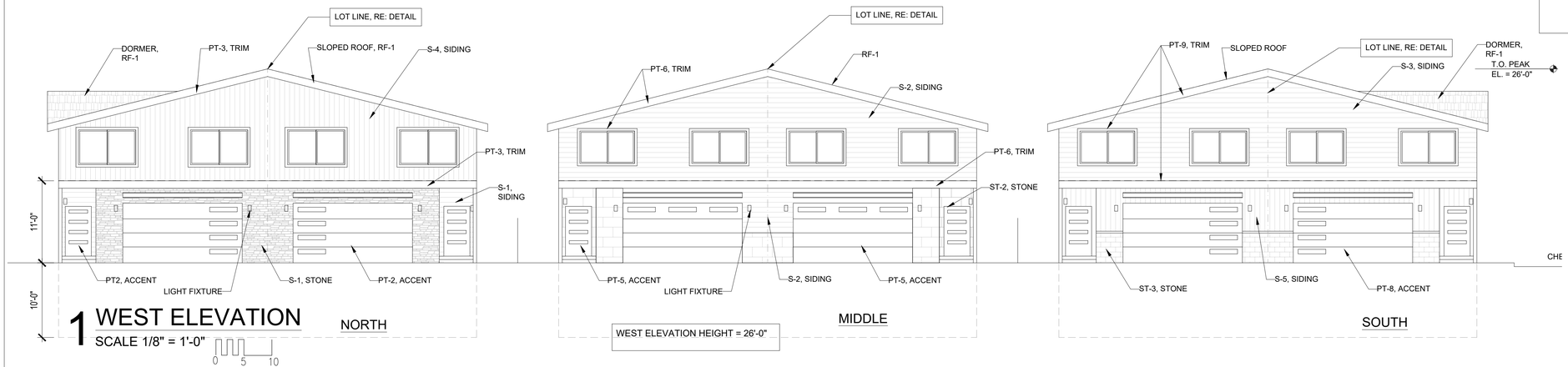
GROSS FLOOR AREA	INDIVIDUAL UNIT	PAIRED UNIT
1ST FLOOR	1240 SF	2480 SF
-GARAGE	440 SF	880 SF
2ND FLOOR	1680 SF	3360 SF
BASEMENT(UNFINISHED)	1206 SF	2412 SF
TOTAL	4566 SF	9132 SF

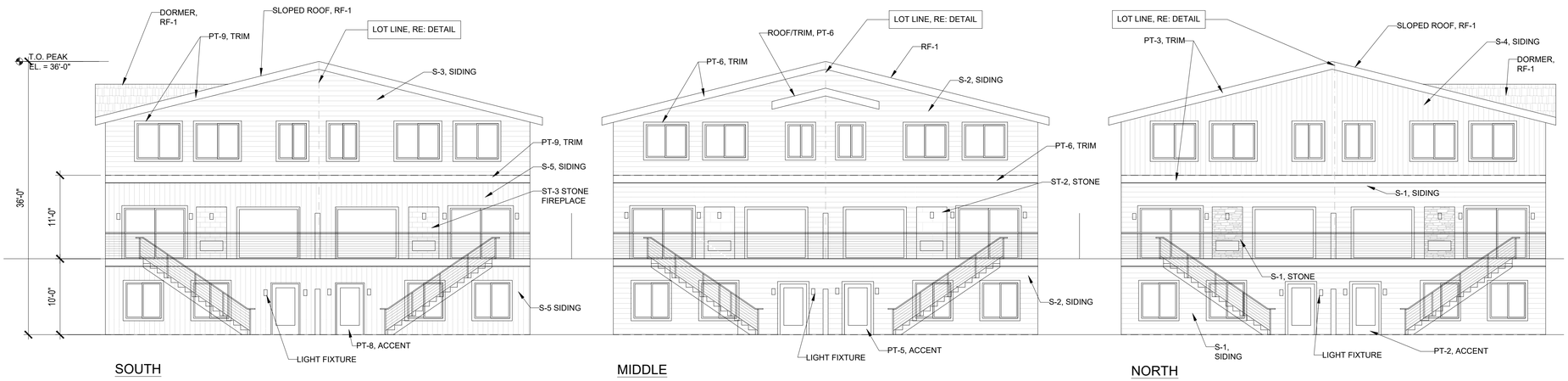
SEPARATION WALL ON LOT LINE
IRC 302.1 WALL RATING ON ZERO SEPARATION
IRC 302.3 TWO FAMILY DWELLING
UL U336 2-HR RATED ASSEMBLY





1 WEST ELEVATION
SCALE 1/8" = 1'-0"
NORTH MIDDLE SOUTH

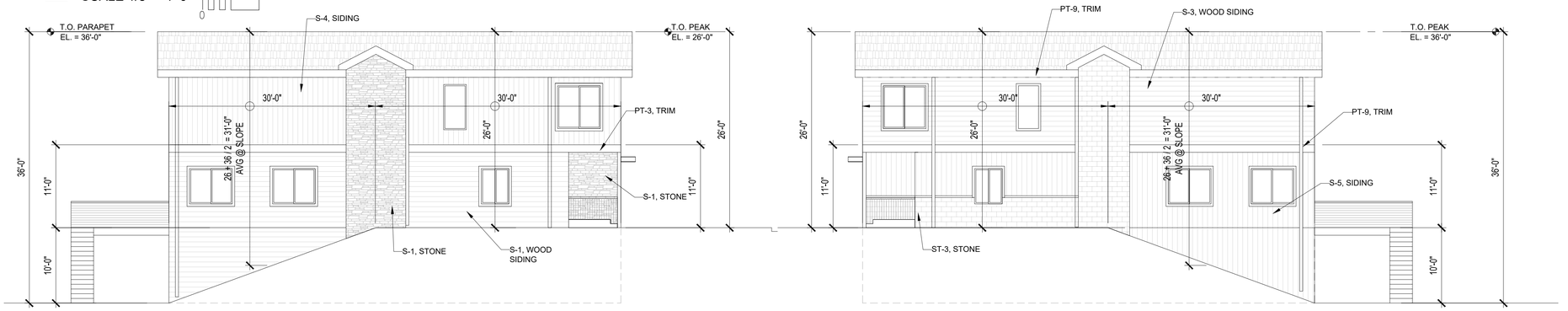
WEST ELEVATION HEIGHT = 26'-0"



SOUTH MIDDLE NORTH

2 EAST ELEVATION
SCALE 1/8" = 1'-0"

EAST ELEVATION HEIGHT = 36'-0"



3 NORTH ELEVATION
SCALE 1/8" = 1'-0"

NORTH ELEVATION AVERAGE HEIGHT
26'-0" + 31'-0" =57'-0" /2 = 28'-6

4 SOUTH ELEVATION
SCALE 1/8" = 1'-0"

SOUTH ELEVATION AVERAGE HEIGHT
26'-0" + 31'-0" =57'-0" /2 = 28'-6

FINISHES/MATERIALS: NORTH

STONE:
ST-1 ELDORADO EUROPEAN LEDGE COLOR: LINEN

SIDING:
S-1 HARDIE PLANK LAP SIDING COLOR: PT-1, SAUTEED MUSHROOM (GLIDDEN)

S-4 HARDIE PLANK SIDING COLOR: PT-10, CHINAWHITE (GLIDDEN)

ACCENT:
PT-2 COLOR: PT-2, BURGUNDY WINE (GLIDDEN)

TRIM:
PT-3 COLOR: PT-3, SERIOUSLY SAND (GLIDDEN)

COLOR:
RF-1 GAF TIMBERLINE HDZ SHINGLES COLOR: WILLIAMSBURG SLATE

FINISHES/MATERIALS: MIDDLE

STONE:
ST-2 ELDORADO MARQUEE24 COLOR: SANDERLING

COLOR:
S-2 HARDIE PLANK LAP SIDING COLOR: PT-4, AFTER THE STORM (GLIDDEN)

ACCENT:
PT-5 COLOR: PT-5, GOBLIN (GLIDDEN)

TRIM:
PT-6 COLOR: PT-6 FOG (GLIDDEN)

ROOF:
RF-1 GAF TIMBERLINE HDZ SHINGLES COLOR: WILLIAMSBURG SLATE

FINISHES/MATERIALS: SOUTH

STONE:
ST-3 ELDORADO SIERRACUT24 COLOR: HIDDEN CREEK

SIDING:
S-3 HARDIE PLANK LAP SIDING COLOR: PT-7, CRAFTSMAN GOLD (GLIDDEN)

S-5 HARDIE PLANK SIDING COLOR: PT-11 SANDLEWOOD BEIGE (GLIDDEN)

ACCENT:
PT-8 COLOR: PT-8, CHARCOAL SMOKE (GLIDDEN)

TRIM:
PT-9 COLOR: PT-9 MESA BEIGE (GLIDDEN)

COLOR:
RF-1 GAF TIMBERLINE HDZ SHINGLES COLOR: WILLIAMSBURG SLATE

BUILDING HEIGHT
WEIGHTED AVERAGE ON THE PERIMETER OF THE BUILDING

-WEST FRONT HEIGHT 26'-0"
-EAST REAR HEIGHT 36'-0"
-NORTH AVERAGE HEIGHT 28'-6"
-SOUTH AVERAGE HEIGHT 28'-6"

BUILDING WEIGHTED AVERAGE = 29'-9"

WONG STRAUCH architects

SHEET NUMBER:
8 OF 8

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

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LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

CANARM®

CANARM LTD. HEAD OFFICE
PO Box 367, 2157 Parkedale Avenue, Brockville, Ontario K6V5V6
Tel: 613-342-5424 | Fax: 1-800-263-4598
www.canarm.com

CANARM INC.
709 East Main Street, Teutopolis, IL USA 62467
Tel: 1-800-267-4427 | Fax: 1-800-263-4598
www.canarmusa.com

DAWN
Outdoor Light
part # IOL339BK

General
Size of fixture: 4 3/8" W x 7 1/2" H x 6 3/4" D
Finish: black
Canopy size: 6" H x 4 1/4" W
Lamping: 1 x100W A bulb (not included)
DUSK TO DAWN PHOTO CELL SWITCH
Mounting: wall

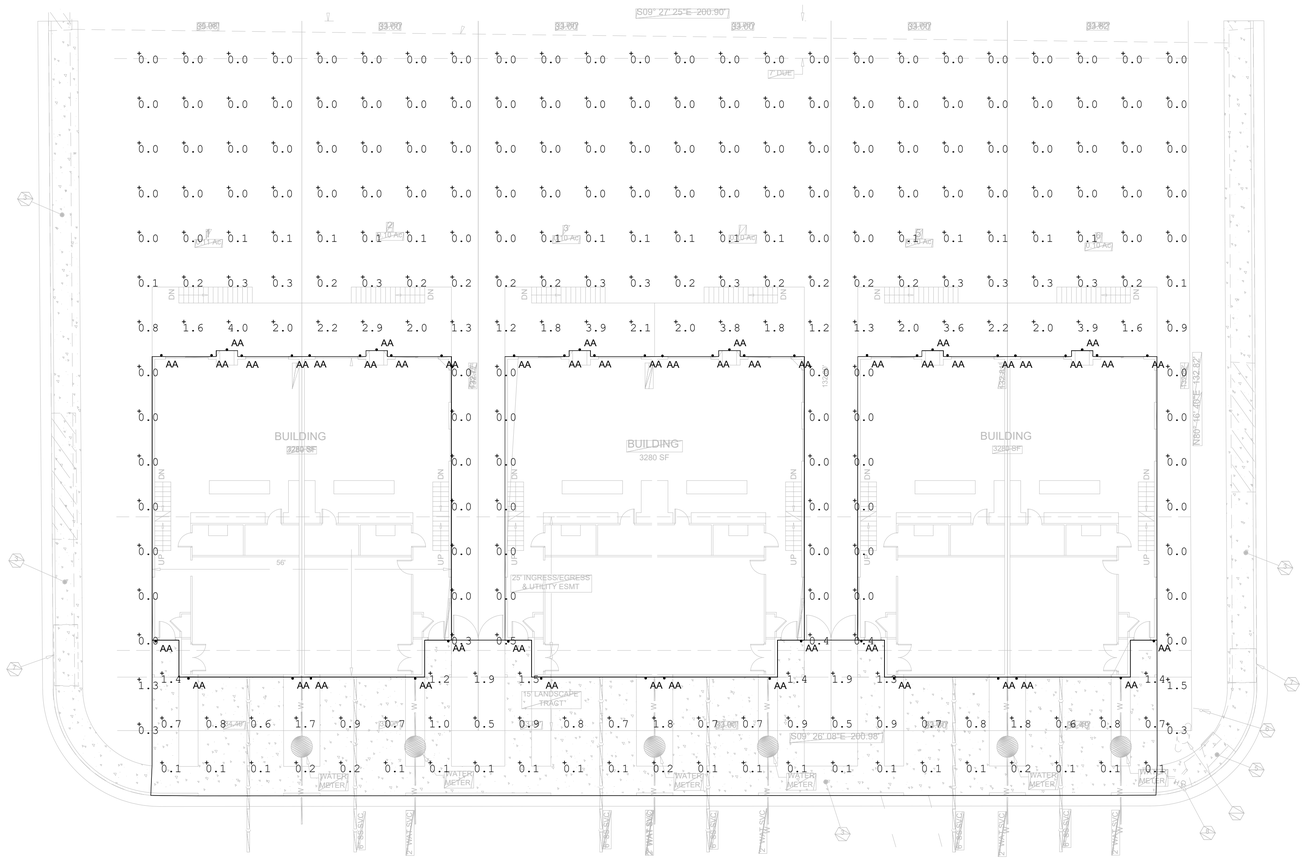
Packaging
Color box: 8.27" x 5.51" x 9.06"
Color box weight: 2.43 lbs
Master box: 17.33" x 11.82" x 10.04"
Pieces per Master box: 4
Master box weight: 10.80 lbs

Warranty & Safety Standards
Warranty - one year
cCSAus
Rated for wet locations

To maintain IDA compliance, the Lamp (bulb) used must have 3000 CCT (Correlated Color Temperature) or less

Prepared for
Contact
Date
Presented by
Remarks

WARNING: The use of this product can expose you to chemicals including Cadmium, which is known to the State of California to cause cancer, and Lead, which is known to the State of California to cause birth defects and/or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



PHOTOMETRIC SITE PLAN
SCALE: 1/16" = 1'-0"

LUMINAIRE SCHEDULE						
SYMBOL	**QTY**	**LABEL**	**WATTS**	**LUMENS**	**LLF**	**CATALOG**
	48	AA	11	1018	0.900	IOL 339BK (11W 3000K LED BULB)

CALCULATION STATISTICS			
REFLECTANCES	**CALCULATION SPACING**	**FC CALCULATION HEIGHT**	**MOUNTING HEIGHT**
DIRECT METHOD ONLY	10'-0" x 10'-0"	FLOOR 0'-0" A.F.G.	BALCONY 6'-0" A.F.F.
			FRONT: 7'-9" A.F.G.

CALCULATION SUMMARY						
LABEL	**UNITS**	**AVG**	**MAX**	**MIN**	**AVG/MIN**	**MAX/MIN**
OVERALL	Fc	0.30	4.0	0.0	N.A.	N.A.
SIDEWALK_Planar	Fc	0.65	1.9	0.1	6.50	19.00

SHEET NUMBER:
9 OF 9

SITE PLAN AGREEMENT

THIS AGREEMENT is made this _____ day of _____, 20__, by and between the Town of Elizabeth, Colorado, a municipal corporation (the "Town"), and Banner Paired Homes LLC (the "Developer").

RECITALS:

A. The Developer is the owner of certain real property located in the Town of Elizabeth known as Banner Street Paired Homes, which is more particularly described in **Exhibit A**, attached hereto and incorporated herein (the "Property").

B. The Board of Trustees and the Planning Commission of the Town of Elizabeth held all necessary public hearings concerning the site plan for the Property in accordance with Article II of Chapter 16 of the Town of Elizabeth Municipal Code. A copy of the site plan is attached hereto as **Exhibit B** and incorporated herein.

C. The approvals cited above are contingent upon the express condition that all duties created by this Agreement are faithfully performed by the Developer.

AGREEMENT

NOW, THEREFORE, for and in consideration of the mutual promises and covenants contained herein, the sufficiency of which are mutually acknowledged, the parties hereto agree as follows:

1. Purpose. The purpose of this Agreement is to set forth the terms, conditions and fees to be paid by the Developer, upon approval of the site plan for the Property. All conditions contained herein are in addition to any and all requirements of the Town of Elizabeth Subdivision Ordinance and Zoning Ordinance, any and all state statutes, and any other sections of the Elizabeth Municipal Code, and are not intended to supersede any requirements contained therein.

2. Fees. The following fees shall be paid to the Town by the Developer.

a. The Developer hereby agrees to pay the Town the actual cost to the Town for plan review, engineering review, hydrological and surveying review, prior to and during the development process, and for construction observation, inspection and materials testing during the construction process for public improvements, and for construction observation, inspection and materials testing and electronic deliverable review during the warranty period for public improvements, and for legal services (the "actual costs") rendered in connection with the review of the site plan of the Property, including related administrative fees not to exceed one hundred fifteen percent (115%) of the actual costs.

b. The Developer acknowledges and agrees that the Town, pursuant to this Agreement, shall be granted construction easement(s) that are reasonably sufficient to complete the public improvements.

3. Specific Conditions. The Developer hereby agrees to construct those public improvements and those landscaping improvements more particularly described in **Exhibit C**, attached hereto and incorporated herein by this reference, with a total estimated cost of Four Hundred Thousand, Two Hundred Fifty-Four Dollars and sixty-three cents ($400,254.63), consisting of public improvement costs in the amount of Three Hundred Eighty Thousand, Seven Hundred Twenty-Seven Dollars and sixty-three cents ($380,727.63) and landscaping improvement costs in the amount of Nineteen Thousand Five Hundred and Twenty-Seven Dollars $19,527 00.

4. Breach by the Developer; the Town's Remedies. In the event of a breach of any of the terms and conditions of this Agreement by the Developer, the Board of Trustees shall be notified immediately and the Town may take such action, as permitted and/or authorized by law, this Agreement or the ordinances as the Town deems necessary to protect the public health, safety and welfare; and to protect the citizens of the Town from hardship and undue risk. The remedies include, but are not limited to:

a. The refusal to issue any building permit or certificate of occupancy;

b. The revocation of any building permit previously issued under which construction directly related to such building permit has not commenced, except a building permit previously issued to a third party;

c. A demand that the security given for the completion of the public improvements be paid or honored; or

d. Any other remedy available at law.

Unless necessary to protect the immediate health, safety and welfare of the Town, or to protect the interest of the Town with regard to security given for the completion of the public improvements, the Town shall provide the Developer thirty (30) days' written notice of its intent to take any action under this paragraph, during which thirty-day period the Developer may cure the breach described in the notice and prevent further action by the Town.

5. Public Improvements and Warranty. All drainage structures, paved streets, including sidewalk, curb, gutter and slope easements, and necessary appurtenances, as shown on the site plan, landscape plans and the associated construction documents (the "Public Improvements"), as approved by the Director of Public Works of the Town, shall be installed and completed at the expense of the Developer and dedicated and/or conveyed to the Town. The Public Improvements required by this Agreement and shown on the site plan, as well as associated construction documents approved by the Director of Public Works of the Town and the costs of these Public Improvements, are set forth on **Exhibit C**, attached hereto and incorporated herein. All Public Improvements covered by this Agreement shall be made in accordance with the site plan and associated construction documents drawn according to regulations and construction standards for such improvements and approved by the Director of Public Works of the Town.

The Developer shall warrant any and all Public Improvements, which are conveyed to the Town, pursuant to this Agreement, for a period of two (2) years from the date the Town's Director of Public Works grants probationary acceptance of the Public Improvements, as approved by the Town. The warranty period shall extend to the date final acceptance is granted in writing by the

Town's Director of Public Works. The Developer shall be responsible for scheduling the necessary inspections for probationary and final acceptance. Specifically, but not by way of limitation, the Developer shall warrant the following:

a. That the title conveyed shall be marketable and its transfer rightful;

b. Any and all facilities conveyed shall be free from any security interest or other lien or encumbrance; and

c. Any and all facilities so conveyed shall be in conformity with the Town's specifications and shall be free of defects in materials or workmanship for a period of two (2) years, as stated above, including, but not limited to, cracks, breakage, settling, or other deterioration of the Public Improvements, no matter the cause, for a period of two (2) years, as stated above.

The Town will accept for maintenance all Public Improvements after the warranty period has expired, provided all warranty work has been completed. The Town shall accept for snow removal purposes only all dedicated public streets after probationary acceptance has been granted in writing by the Director of Public Works. The Developer shall make all corrections necessary to bring the Public Improvements into conformity with the Town's specifications, prior to final acceptance.

6. Observation. The Town shall have the right to make reasonable engineering observations at the Developer's expense, as the Town may request. Observation, acquiescence in, or approval by any engineering inspector of the construction of physical facilities at any particular time shall not constitute the approval by the Town of any portion of the construction of such Public Improvements. Such approval shall be made by the Town only after completion of construction and in the manner hereinafter set forth.

7. Completion of Public Improvements. The obligations of the Developer provided for in paragraph 3 of this Agreement, including the inspections hereof, shall be performed on or before December 10, 2027, and proper application for acceptance of the Public Improvements shall be made on or before such date. Upon completion of construction by the Developer of such Public Improvements, the Town's Director of Public Works or his designee shall inspect the improvements and certify with specificity their conformity or lack thereof to the Town's specifications. The Developer shall make all corrections necessary to bring the improvements into conformity with the Town's specifications. Once approved by the Town's Director of Public Works, the Town shall accept said improvements upon conveyance, pursuant to paragraph 9; provided, however, the Town shall not be obligated to accept the Public Improvements until the actual costs described in paragraphs 2.a. and b. of this Agreement are paid in full by the Developer.

8. Related Costs – Public Improvements. The Developer shall provide all necessary engineering designs, surveys, field surveys and incidental services related to the construction of the Public Improvements, at its sole cost and expense, including reproducible "as built" drawings certified accurate by a professional engineer registered in the State of Colorado.

9. Improvements to be the Property of the Town. All Public Improvements for roads, concrete curbs and gutters, storm sewers, and drainage improvements accepted by the Town shall

be dedicated to the Town and warranted for a period of two (2) years following probationary acceptance by the Town, as provided above. Upon completion of construction and conformity with the site plan and associated construction plans, and any properly approved changes, the Developer shall convey to the Town, by bill of sale, all installed physical facilities.

10. Performance Guarantee. In order to secure the construction and installation of the Public Improvements, the Developer shall, prior to issuance of any building permit on the Property, furnish the Town, at the Developer's expense, with the performance guarantee described herein. The performance guarantee provided by the Developer shall be an irrevocable letter of credit in which the Town is designated as beneficiary in an amount equal to one hundred ten percent (110%) of the estimated costs of the Public Improvements to be constructed and installed, as set forth in **Exhibit C**, to secure the performance and completion of the Public Improvements. The Developer agrees that approval of the site plan by the Town is contingent upon the Developer's provision of an irrevocable letter of credit to the Town within ninety (90) days of the execution of this Agreement, in the amount and form provided herein. Failure of the Developer to provide an irrevocable letter of credit to the Town, in the manner provided herein, shall negate the Town's approval of the site plan. Letters of credit shall be substantially in the form and content set forth in **Exhibit D**, attached hereto and incorporated herein, and shall be subject to the review and approval of the Town Attorney. The Developer shall not start the construction of any public or private improvement on the Property, including, but not limited to, staking, earth work, overlot grading or the erection of any structure, temporary or otherwise, until the Town has received and approved the irrevocable letter of credit.

The estimated costs of the Public Improvements shall be a figure mutually agreed upon by the Developer and the Town's Director of Public Works, as set forth in **Exhibit C**. If, however, they are unable to agree, the Director of Public Works' estimate shall govern after giving consideration to information provided by the Developer, including, but not limited to, construction contracts and engineering estimates. The purpose of the cost estimate is solely to determine the amount of security. No representations are made as to the accuracy of these estimates and the Developer agrees to pay the actual costs of all such Public Improvements.

The estimated costs of the Public Improvements may increase in the future. Accordingly, the Town reserves the right to review and adjust the cost estimates on an annual basis. Adjusted cost estimates will be made according to changes in the Construction Costs Index, as published by the Engineering News Record. If the Town adjusts the cost estimate for the Public Improvements, the Town shall give written notice to the Developer. The Developer shall, within thirty (30) days after receipt of said written notice, provide the Town with a new or amended letter of credit in the amount of the adjusted cost estimates. If the Developer refuses or fails to so provide the Town with a new or amended letter of credit, the Town may exercise the remedies provided for in paragraph 4 of this Agreement; provided, however, that prior to increasing the amount of additional security required, the Town shall give credit to the Developer for all required Public Improvements which have actually been completed so that the amount of security required at any time shall relate to the cost of required Public Improvements not yet constructed.

In the event the Public Improvements are not constructed or completed within the period of time specified by paragraph 7 of this Agreement or a written extension of time mutually agreed upon by the parties to this Agreement, the Town may draw on the letter of credit to complete the

Public Improvements called for in this Agreement. In the event the letter of credit is to expire within fourteen (14) calendar days and the Developer has not yet provided a satisfactory replacement, the Town may draw on the letter of credit and either hold such funds as security for performance of this Agreement or spend such funds to finish the Public Improvements or correct problems with the Public Improvements, as the Town deems appropriate.

Upon completion of performance of such improvements, conditions and requirements within the required time and the approval of the Town Public Works Director, the Developer shall issue an irrevocable letter of credit to the Town in the amount of twenty percent (20%) of the total cost of construction and installation of the Public Improvements, to be held by the Town during the two-year warranty period. If the Public Improvements are not completed within the required time, the monies may be used to complete the improvements.

11. Nuisance Conditions. The Developer agrees to prevent the existence of any nuisances by way of its construction activities. In the event the authorized inspector/designated Town authority determines that a nuisance exists, the Developer shall be subject to the provisions set forth in Elizabeth Municipal Code regarding the abatement of nuisances and the cost assessed for the abatement thereof.

In addition to the provisions above, if the nuisance is not abated or an abatement plan is not submitted to the satisfaction of the Town, the Town may, upon thirty (30) days' notice under this Agreement, exercise the right to draw upon the performance guarantee specified in paragraph 10 of this Agreement. The Town may draw on the performance guarantee in order to pay the cost of abating the nuisance, including any expenses and penalties incurred under the Elizabeth Municipal Code. The Town may exercise this right in addition to, or in lieu of, the withholding of permits and/or the withholding of certificates of occupancy. The right to draw on the performance guarantee shall be subject to the sole discretion of the Town, provided the Developer has received thirty (30) days' notice, as provided herein.

12. Indemnification. The Developer shall indemnify and hold harmless the Town, its officers, employees, agents or servants from any and all suits, actions and claims of every nature and description caused by, arising from or on account of any act or omission of the Developer, or of any other person or entity for whose act or omission the Developer is liable, with respect to construction of the Public Improvements; and the Developer shall pay any and all judgments rendered against the Town as the result of any suit, action or claim, together with all reasonable expenses and attorney fees incurred by the Town in defending any such suit, action or claim.

The Developer shall pay all property taxes on the Property dedicated to the Town, and shall indemnify and hold harmless the Town for any property tax liability.

The Developer shall require that all contractors and other employees engaged in construction of Public Improvements shall maintain adequate workers' compensation insurance and public liability coverage and shall faithfully comply with the provisions of the Federal Occupational Safety and Health Act.

13. Waiver of Defects. In executing this Agreement the Developer waives all objections it may have concerning defects, if any, in the formalities whereby it is executed, or

concerning the power of the Town to impose conditions on the Developer, as set forth herein, and concerning the procedure, substance and form of the ordinances or resolutions adopting this Agreement.

14. Modifications. This Agreement shall not be amended, except by subsequent written agreement of the parties.

15. Release of Liability. It is expressly understood that the Town cannot be legally bound by the representations of any of its officers or agents or their designees, except in accordance with the Elizabeth Municipal Code and the laws of the State of Colorado.

16. Captions. The captions to this Agreement are inserted only for the purpose of convenient reference and in no way define, limit or prescribe the scope or intent of this Agreement or any part thereof.

17. Binding Effect. This Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, successors and assigns, as the case may be.

18. Invalid Provision. If any provision of this Agreement shall be determined to be void by any court of competent jurisdiction, then such determination shall not affect any other provision hereof, and all of the other provisions shall remain in full force and effect. It is the intention of the parties hereto that if any provision of this Agreement is capable of two constructions, one of which would render the provision void and the other which would render the provision valid, then the provision shall have the meaning which renders it valid.

19. Governing Law. The laws of the State of Colorado shall govern the validity, performance and enforcement of this Agreement. Should either party institute legal suit or action for enforcement of any obligation contained herein, it is agreed that venue of such suit or action shall be in Elbert County, Colorado.

20. Attorney Fees. Should this Agreement become the subject of litigation to resolve a claim of default of performance by the Developer and a court of competent jurisdiction determines that the Developer was in default in the performance of the Agreement, the Developer shall pay the attorney fees, expenses and court costs of the Town.

21. Notice. All notice required under this Agreement shall be in writing and shall be hand delivered or sent by registered or certified mail, return receipt requested, postage prepaid, to the addresses of the parties herein set forth. All notices so given shall be considered effective seventy-two (72) hours after deposit in the United States mail with the proper address, as set forth below. Either party, by notice so given, may change the address to which future notices shall be sent.

Notice to the Town:

Town of Elizabeth
Attn: Town Administrator
151 S. Banner Street
Elizabeth, Colorado 80107

With copy to: Corey Y. Hoffmann, Esq.
Hoffmann, Parker, Wilson & Carberry, P.C.
511 16th Street, Suite 610
Denver, Colorado 80202

Notice to Developer: Banner Paired Homes LLC
Attn: Lane Gregory
367 Sandy Hollow Trl
Franktown, Colorado 80116

22. Force Majeure. Whenever the Developer is required to complete the construction, repair or replacement of Public Improvements by an agreed deadline, the Developer shall be entitled to an extension of time equal to a delay in completing the foregoing, due to unforeseeable causes beyond the control and without the fault or negligence of the Developer, including, but not limited to, acts of God, weather, fires and strikes.

23. Approvals. Whenever approval or acceptance of the Town is necessary, pursuant to any provision of this Agreement, the Town shall act reasonably and in a timely manner in responding to such request for approval or acceptance.

24. Assignment or Assignments. There shall be no transfer or assignment of any of the rights or obligations of the Developer under this Agreement, without the prior written approval of the Town. The Developer agrees to provide the Town with at least fourteen (14) days' advance written notice of the transfer or assignment of any of the rights and obligations of the Developer under this Agreement.

25. Title and Authority. The Developer expressly warrants and represents to the Town that it is the record owner of the property constituting the Property and further represents and warrants, together with the undersigned individuals, that the undersigned individuals have full power and authority to enter into this Site Plan Agreement. The Developer and the undersigned individuals understand that the Town is relying on such representations and warranties in entering into this Agreement.

WHEREFORE, the parties hereto have executed this Agreement on the day and year first above written.

TOWN OF ELIZABETH, COLORADO

By: _____
Angela Ternus, Mayor

ATTEST:

_____
Michelle M. Oeser, Town Clerk

APPROVED AS TO FORM:

Corey y. Hoffmann, Town Attorney

DEVELOPER: Banner Paired Homes LLC

By: Lane Gregory
Lane Gregory

STATE OF COLORADO)
)ss.
COUNTY OF Elbert)

The foregoing instrument was acknowledged before me this 7th day of November, 2024, by Lane Gregory, as _____ of _____.

My commission expires: 2-21-2027.

(SEAL)

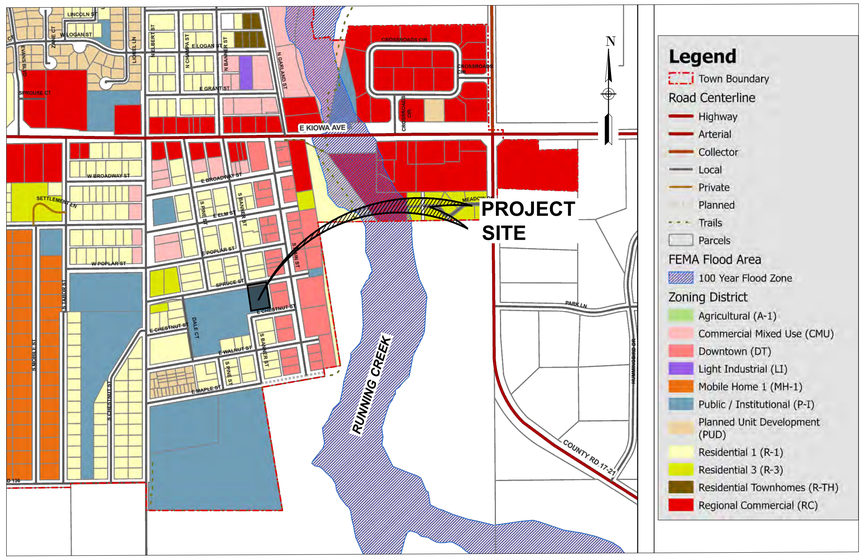
Notary Public

KELLY RENEE OSTER
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID# 20234006733
MY COMMISSION EXPIRES 2/21/2027

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET



VICINITY MAP
SCALE 1" = 500'

PROJECT DESCRIPTION:

PROJECT DESCRIPTION:
THE PROJECT CONSISTS OF THE CONSTRUCTION OF SIX PAIRED HOMES ON SIX LOTS WITH THREE STRUCTURES (THREE STORIES EACH). INCLUDED WITH THE DEVELOPMENT WILL BE TWO CAR GARAGES FOR EACH UNIT, BACK YARD AMENITY SPACE, PERMANENT DETENTION AND WATER QUALITY FACILITIES AND APPURTENANT LANDSCAPING.

EXISTING CONDITIONS:
THE PROJECT AREA IS CURRENTLY ZONED AS P-I PUBLIC/INSTITUTIONAL AND WILL BE REZONED CONCURRENT WITH THIS SDP. IT IS CURRENTLY COVERED BY ASPHALT (OLD PARKING LOT) AND WEEDS AND DIRT, AS AN AUXILIARY USE FOR THE SCHOOL BUILDING ACROSS BANNER STREET. THE GROUND FALLS WEST TO EAST WITH STEEP GRADES FROM BANNER AND AGAIN AT THE PUBLIC ALLEY.

PROPOSED CONDITIONS:
THE PROJECT ONCE DEVELOPED WILL INCLUDE THREE BUILDINGS, DRIVEWAYS ALONG BANNER STREET AND LANDSCAPED BACK YARDS TO THE EAST FOR SIX PAIRED HOMESITES. THE PREVIOUSLY UNDETAINED AND UNTREATED STORM WATER FLOWS WILL BE ROUTED TO A NEW WATER QUALITY AND DETENTION POND, WHICH WILL DISCHARGE TO THE EXISTING STORM SEWER IN CHESTNUT STREET.

GENERAL SITE DATA:

ZONING:	DOWNTOWN (DT)
CURRENT USE:	PARKING LOT
PROPOSED USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOMES
PROPERTY AREA:	26,682 SF (0.61 ACRES)
DISTURBED AREA (LOC):	0.78 ACRES
LATITUDE:	39°21'29.0"N
LONGITUDE:	104°35'44.8"W

GENERAL SITE DATA:

		% OF LOT
LOT 7:		
TOTAL LOT AREA:	4,536 SF/ 0.104 AC	
TOTAL DWELLING UNITS:	1 (1/2 OF A PAIRED HOME)	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	37.0%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 8:		
TOTAL LOT AREA:	4,382 SF/ 0.101 AC	
TOTAL # BLDGS:	1 (1/2 OF A PAIRED HOME)	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 9:		
TOTAL LOT AREA:	4,382 SF/ 0.101 AC	
TOTAL # BLDGS:	1 (1/2 OF A PAIRED HOME)	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 10:		
TOTAL LOT AREA:	4,382 SF/ 0.101 AC	
TOTAL # BLDGS:	1	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 11:		
TOTAL LOT AREA:	4,381 SF/ 0.101 AC	
TOTAL # BLDGS:	1 (1/2 OF A PAIRED HOME)	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 12:		
TOTAL LOT AREA:	4,618 SF/ 0.106 AC	
TOTAL # BLDGS:	1	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	36.4%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	

PARKING TOTALS

LOT 7 - LOT 12	2 GARAGE SPACES EACH
TOTAL # OF SPACES:	12 GARAGE SPACES E

LEGAL DESCRIPTION:

LOTS 7 THRU 12, BLOCK 18, PHILIPS ADDITION TO THE TOWN OF ELIZABETH
LOCATED IN THE NE 1/4 OF SECTION 18, T 8 S, R 64 W, OF THE 6TH P.M.
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.

BENCHMARK:

88 DATUM BASED UPON GPS OBSERVATION.
LS 31548 BRASS CAP LOCATED AT NW CORNER OF SITE.
ELEV = 6499.2

BASIS OF BEARINGS:

THE WEST LINE OF THE NORTHEAST ¼, SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, S00°10'35" E, 2652.75"

SHEET INDEX:

1 COVER
2 SITE PLAN
3 OVERALL GRADING PLAN
4 GRADING DETAILS
5 OVERALL UTILITY PLAN
6 LANDSCAPE PLAN
7 LANDSCAPE NOTES AND DETAILS
8 ARCHITECTURE, BUILDING ELEVATIONS
9 PHOTOMETRIC PLAN

APPLICANT/DEVELOPER SIGNATURE BLOCK

BANNER PAIRED HOMES DATE

DT (DOWNTOWN) ZONING DISTRICT DIMENSIONAL STANDARDS:

BLDG HEIGHT:	30' MAX HEIGHT
SETBACKS:	0' - FRONT PUBLIC RIGHT OF WAY 5' - REAR 0' - INTERIOR SIDE 5' - STREET SIDE PUBLIC ROW
MIN LOT/SPACE SIZE	800 SF
MAX LOT/SPACE COVERAGE	
1) UNDER ROOF	70%
2) MINIMUM VEGETATIVE AREA	5%
MINIMUM WIDTH OF LOT/SPACE	32 FT

CONTACT LIST:

OWNER
ELIZABETH SCHOOL DISTRICT
634 S. ELBERT STREET
PO BOX 250
ELIZABETH, CO 80107
303-646-1836

APPLICANT/DEVELOPER
LG DESIGNS AND CONSTRUCTION LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116
303-803-6326

CIVIL ENGINEER
ROTH LANG ENGINEERING GROUP, LLC
6855 S. HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
303-841-9365

ARCHITECT
WONG STRAUCH ARCHITECTS
820 SANTA FE DRIVE
DENVER, CO 80204
303-293-9206

SURVEYOR
KMD INC.
4901 E. DRY CREEK ROAD, SUITE 208
CENTENNIAL, CO 80122
303-773-8770

LANDSCAPE ARCHITECT
TIM DUNN DESIGN
720-350-2411
TADUNN1958@GMAIL.COM

COVER

SHEET NUMBER:
1 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

LINETYPE LEGEND

PROPOSED		EXISTING
	CENTERLINE OF ROAD	
	DRAINAGE SWALE	
	FENCE - WOOD POST	
	PROPERTY BOUNDARY	
	RETAINING WALL	
	RIGHT-OF-WAY LINE	
	HANDRAIL	

SYMBOLS LEGEND

	CROSSWALK	
	DOOR	
	FIRE HYDRANT	
	STREET SIGN	
	PRIVATE BUILDING ENTRANCE	

HATCHING LEGEND

	CONCRETE PAVING
	EX CONCRETE PAVING
	SAND FILTER
	DETENTION POND

HORIZONTAL SCALE: 1" = 10'

PUBLIC ALLEY (16' ROW)
SPRUCE ST (60' ROW)
CHESTNUT ST (60' ROW)
BANNER ST (60' ROW)

EX 12' CURB CUT
EX 14' CURB CUT
EX 26' CURB CUT
EX 13' CURB CUT TO REMAIN
EX WOOD / CHAIN LINK FENCE
EX EOP TO REMAIN
EX CORE OVERHEAD FACILITIES TO PROVIDE ELECTRIC TO THE 6 LOTS
16' ROW
132 LF DRY STACK RETAINING WALL
EDB DETENTION POND 66' L X 12' W
WALL
SAFETY RAILING
S09° 27' 25"E 200.90'
5' REAR SETBACK
18.5' DE & UE (SEE NOTE #3)
EX 16' CURB CUT TO REMAIN
EX 13' CURB CUT
NOT SOURCE FOR ELECTRIC
5' SIDE STREET SETBACK
5' CONC SLWK
EXISTING CURB TO REMAIN
6.5' WALL- SWALE
63 LF GRASS SWALE
19' DE & UE (SEE NOTE #3)
5' NONEXCLUSIVE UE (SEE NOTE #2)
10' NONEXCLUSIVE UE (SEE NOTE #2)
35' LOT WIDTH
33' LOT WIDTH
34' LOT WIDTH
62.7' PL-BLDG
62.8' PL-BLDG
LOT 12 4,618 SQ FT (0.11-AC)
LOT 11 4,381 SQ FT (0.10-AC)
LOT 10 4,382 SQ FT (0.10-AC)
LOT 9 4,382 SQ FT (0.10-AC)
LOT 8 4,382 SQ FT (0.10-AC)
LOT 7 4,536 SQ FT (0.10-AC)
YARD
S80° 33' 52"W 132.76'
S80° 33' 52"W 132.77'
S80° 33' 52"W 132.78'
S80° 33' 52"W 132.80'
S80° 33' 52"W 132.81'
15' DE & UE (SEE NOTE #3)
LOT LINE (TYP)
PATIO OVHG
PATIO STAIRS
PATIO (TYP)
PATIO DOOR
6.8' PL-BLDG
10' BLDG-BLDG
6.14' PL-BLDG
LOT 12 530 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 11 540 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 10 550 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 9 560 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 8 570 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 7 580 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
56'
60'
66 LF GRASS SWALE
68 LF GRASS SWALE
10' BLDG-BLDG
GAS METER (TYP)
KNOX BOX
ELEC METER (TYP)
20' X 22' GARAGE
GM
EM
DOOR
STEPS W/ HANDRAIL
16' GARAGE DOOR
5' CONC SWLK
10' PL-BLDG
6.4' PL-BLDG
EXISTING SIDEWALK TO REMAIN
4.5' EX SWLK
EXISTING STOP SIGN TO REMAIN
EXISTING CURB RAMP TO REMAIN
EXISTING STREET LIGHT TO REMAIN
EXISTING CROSSWALK
DRIVEWAY
16'
16.5'
S09° 26' 08"E 200.98'
S80° 16' 30"W 132.75'
N80° 16' 40"E 132.82'
23.6 LF 6" CATCH CURB AND GUTTER PER TOE STD DETAIL RD-1A
35.9' FL-FL
35.5' FL-FL
60.17' ROW
R20'
EX CURB RAMP TO BE REMOVED AND REPLACED WITH HANDICAP RAMP TOWN OF ELIZABETH STD DETAIL RD-3A
7.3'
1,291 SQ FT CONCRETE PAD AND ROADWAY REMOVAL
177 LF COMBINATION CURB GUTTER AND SIDEWALK PER TOE STD DETAIL RD-1B
35.3' FL-FL
42.1' FL-FL
60' ROW

KEY:

1. EXTERIOR LIGHTING FIXTURE
2. PRIVATE GARAGE DOOR
3. PRIVATE GATE
4. PRIVATE WOOD FENCE
5. EX CURB CUT TO BE REMOVED
6. GARAGE MAN DOOR
7. RELOCATED STOP SIGN
8. ACCESS GATE IN FENCE BETWEEN LOTS FOR FIRE DEPT
9. DRAINAGE SWALE CROSSING UNDERNEATH FENCE (SEE NOTE #1)

NOTES:

1. CONTRACTOR TO PROVIDE A 9-INCH DEEP DRAINAGE CLEARANCE FROM BOTTOM OF FENCE TO SWALE FLOWLINE.
2. NONEXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
3. NONEXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
4. MAINTENANCE OF THE ON-SITE DRAINAGE FACILITY WILL BE THE RESPONSIBILITY OF ALL LOT OWNERS.

SITE PLAN

SHEET NUMBER:
2 OF 9

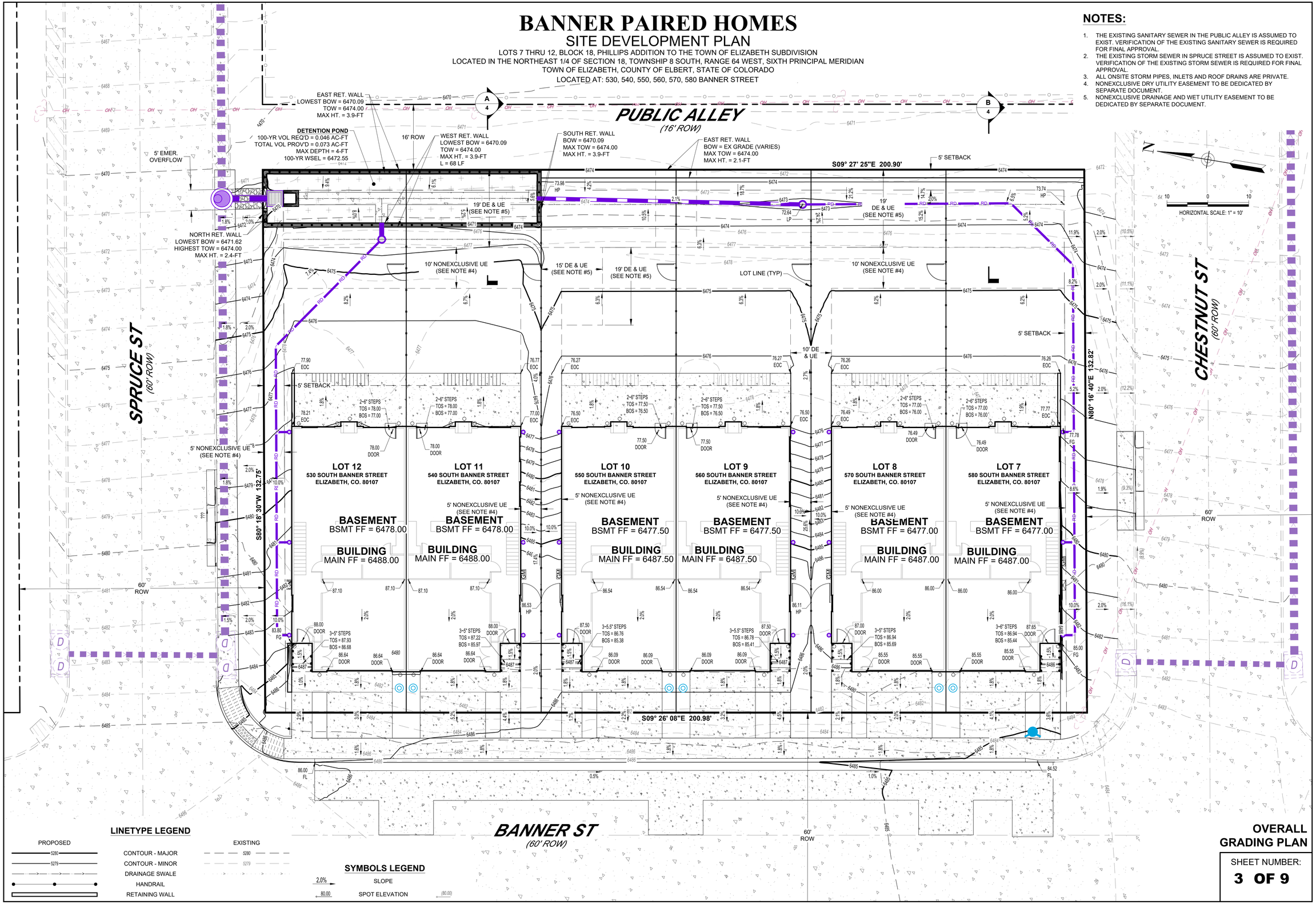
BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

NOTES:

1. THE EXISTING SANITARY SEWER IN THE PUBLIC ALLEY IS ASSUMED TO EXIST. VERIFICATION OF THE EXISTING SANITARY SEWER IS REQUIRED FOR FINAL APPROVAL.
2. THE EXISTING STORM SEWER IN SPRUCE STREET IS ASSUMED TO EXIST. VERIFICATION OF THE EXISTING STORM SEWER IS REQUIRED FOR FINAL APPROVAL.
3. ALL ONSITE STORM PIPES, INLETS AND ROOF DRAINS ARE PRIVATE.
4. NONEXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
5. NONEXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.



LINETYPE LEGEND

PROPOSED		EXISTING
5280	CONTOUR - MAJOR	5280
5279	CONTOUR - MINOR	5279
	DRAINAGE SWALE	
	HANDRAIL	
	RETAINING WALL	

SYMBOLS LEGEND

2.0%	SLOPE
80.00	SPOT ELEVATION
(80.00)	

OVERALL GRADING PLAN

SHEET NUMBER:
3 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

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LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
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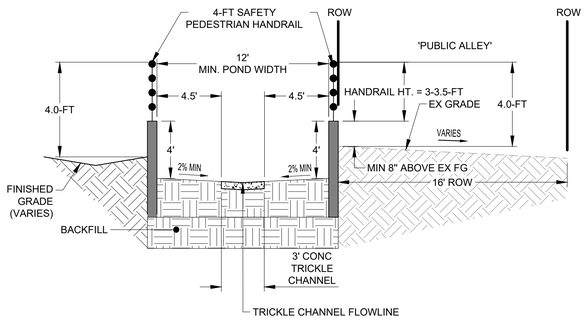
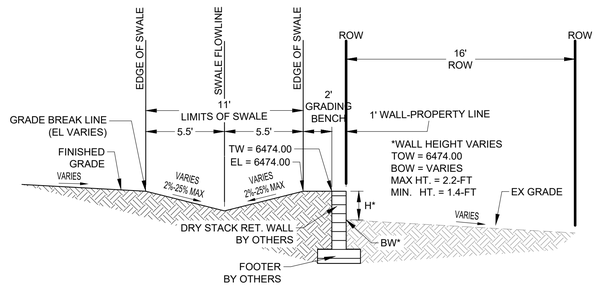


A/3 TYP. POND DETAIL SECTION
SCALE: 1" = 5'



B/3 LOT SWALE AND DRY STACK WALL DETAIL
SCALE: 1" = 5'

GRADING DETAILS

SHEET NUMBER:
4 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
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LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

KEY:

1. 3/4" OUTSIDE WATER METER IN PIT
2. 3/4" TYPE K CU PIPE DOMESTIC WATER SRVC
3. 3/4" CURB STOP
4. 3/4" CORP STOP FOR DOMESTIC WATER SRVC
5. ELECTRICAL METER
6. GAS METER

LINETYPE LEGEND

	PROPOSED	EXISTING
SANITARY SEWER		
STORM SEWER		
WATER LINE	W W	W W

HORIZONTAL SCALE: 1" = 10'

PUBLIC ALLEY (16' ROW)

16' ROW

EX 8" PVC (PUBLIC)

SEE NOTE #2

EX 8" PVC (PUBLIC)

EX 8" PVC (PUBLIC)

EX 8" PVC (PUBLIC)

S09° 27' 25"E 200.90'

5' REAR SETBACK

SPRUCE ST (60' ROW)

CHESTNUT ST (60' ROW)

EX 18" RCP (PUBLIC)

4' DIA FLAT TOP MH (PUBLIC)

OUTLET STRUCTURE TYPE C INLET

15" RCP

12" PVC (PRIVATE)

19' DE & UE (SEE NOTE #5)

6" SS SVC

18" INLET LS (PRIVATE)

6" PVC (PRVATE)

RD

10' NONEXCLUSIVE UE (SEE NOTE #4)

15' DE & UE (SEE NOTE #5)

6" CO

6" SS SVC

12" PVC (PRIVATE)

18" INLET LS (PRIVATE)

19' DE & UE (SEE NOTE #5)

LOT LINE (TYP)

10' NONEXCLUSIVE UE (SEE NOTE #4)

5' SIDE SETBACK

6" PVC (PRVATE)

S80° 18' 30"W 132.75'

N80° 16' 40"E 132.82'

INV. OUT (6") = 6474.50 (E)

INV. OUT (6") = 6470.32 (E)

INV. OUT (6") = 6473.50 (E)

ROOF DRAIN (PRIVATE)

INV. OUT (6") = 6470.36 (E)

5' NONEXCLUSIVE UE (SEE NOTE #4)

6" PVC (PRVATE)

5' SIDE SETBACK

LOT 12
530 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 11
540 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 10
550 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 9
560 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 8
570 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 7
580 SOUTH BANNER STREET
ELIZABETH, CO. 80107

GM

EM

60' ROW

EX TYPE R - 10' (PUBLIC)

EX 12" RCP

EX TYPE R - 5' (PUBLIC)

EX STOP SIGN TO REMAIN

EX ELEC POLE TO REMAIN

PR FIRE HYDRANT RELOCATION

EX FH TO BE RELOCATED NORTH OUT OF SIDEWALK PATH

6" DIP FIRE HYDRANT LINE

6" GATE VALVE

8"X6" TEE FOR FIRE HYDRANT LINE

S09° 26' 08"E 200.98'

EX 8" WAT

EX 8" PVC

BANNER ST (60' ROW)

NOTES:

1. ALL PROPOSED UTILITIES ARE DEEMED PRIVATE UNLESS NOTED OTHERWISE.
2. THE SLOPE OF THE EXISTING SANITARY SEWER IN THE PUBLIC ALLEY IS ASSUMED.
3. ALL ONSITE STORM AND ROOF DRAINS ARE PRIVATE.
4. NONEXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
5. NONEXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
6. MAINTENANCE OF THE ON-SITE DRAINAGE FACILITY WILL BE THE RESPONSIBILITY OF ALL LOT OWNERS.

SYMBOLS LEGEND

- CURB STOP/ CORP STOP
- FIRE HYDRANT
- STORM INLET
- STORM MANHOLE
- UTILITY POLE
- WATER METER

OVERALL UTILITY PLAN

SHEET NUMBER:
5 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
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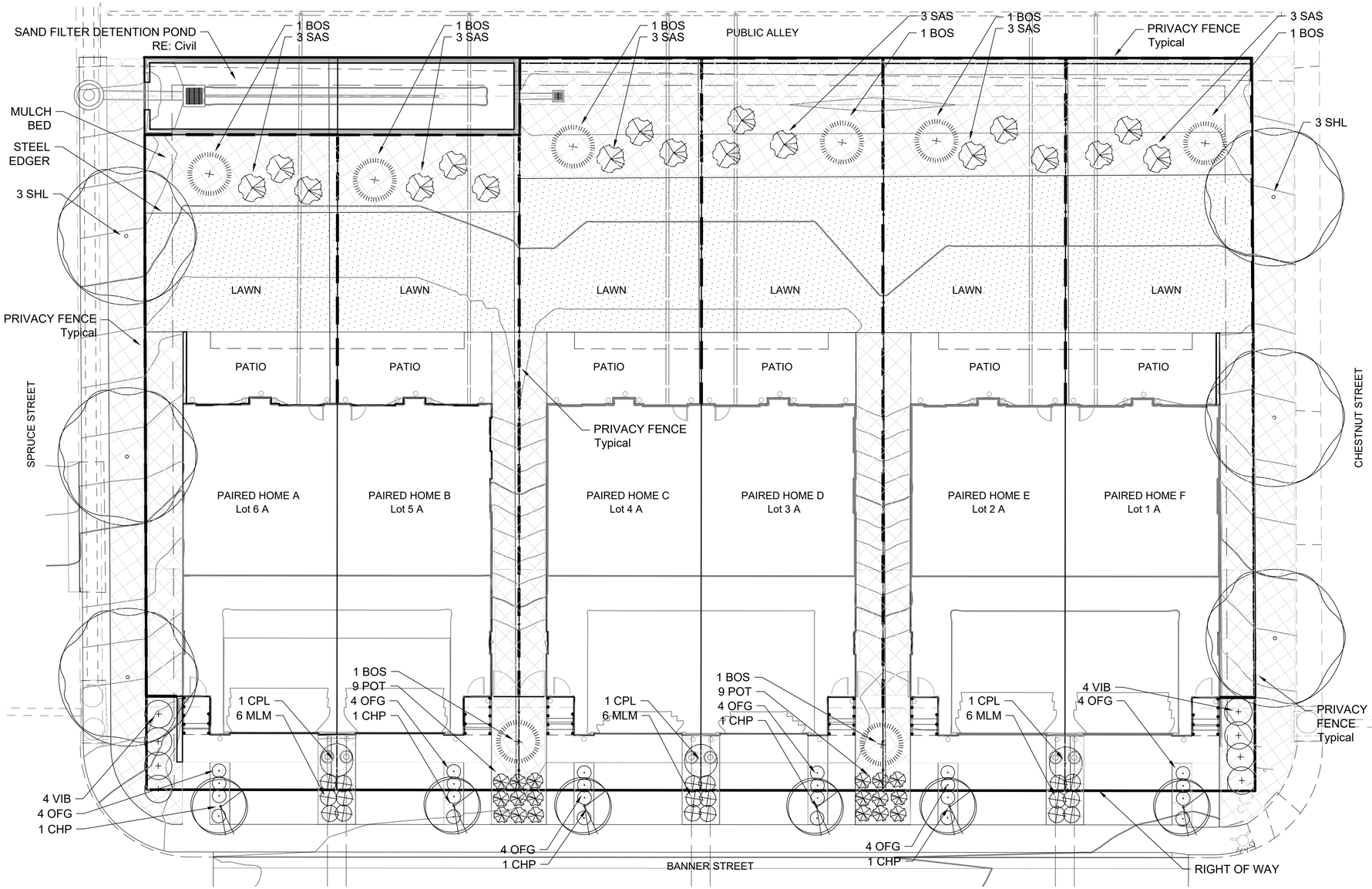
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET



0 10' 20'
North Scale 1"=10'

Landscape Requirements
Municipal Code Section 16-2-50

Public Improvements

Spruce Street
3 trees required - 3 trees provide

Chestnut Street
3 trees required - 3 trees provided

Banner Street
5 trees required - 6 trees provided
10 shrubs required - 12 shrubs provided

Landscape Area 1,800 sf
(1 tree & 5 shrubs / 1,500 sf landscape area)

Legend

Drought tolerant turf in rear yards
Irrigated Thermal Blue Texas Hybrid Turf
Total turf area - 5,200 sf

Rock mulch
Crushed granite rock 2"-3" depth over weed barrier
Total rock area Public Improvement - 1,800 sf
Total rock area Private Yards - 6,020 sf

6' Privacy Fence
See fence detail sheet

Prepared by:

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tadunn1958@gmail.com

TIM DUNN 400 — 02/15/2008 — Original Date of Licensure — STATE OF COLORADO — LANDSCAPE ARCHITECT
LANDSCAPE ARCHITECT, TIM DUNN
COLORADO LICENSE #400

Landscape Plan

SHEET NUMBER:
6 of 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
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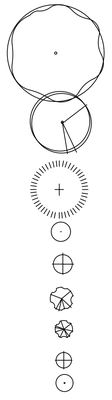
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET



QUAN.	KEY	COMMON NAME	BOTANICAL NAME	SIZE	CONDITION	Water Use	MATURE SIZE height:width
6	SHL	SKYLINE HONEYLOCUST	Gleditsia triacanthos var.inermis 'Skyline'	2" CAL.	B&B	low	50'x35'
6	CHP	CHANTICLEER PEAR	Pyrus calleryana 'Chanticleer'	1.5" CAL.	B&B	medium	25'x15'
8	BOS	BOSNIAN PINE	Pinus heldreichii (leucodermis)	6'-8' ht.	B&B	low	25'x15'
6	CPL	COMMON PURPLE LILAC	Syringa vulgaris	5 gallon	container	low	8'x6'
8	VIB	MOHICAN VIBURNUM	Viburnum lantana 'Mohican'	5 gallon	container	low	8'x6'
18	SAS	SASKATOON SERVICEBERRY	Amelanchier alnifolia	5 gallon	container	low	15'x8'
18	POT	CORONATION TRIUMPH POTENTILLA	Potentilla fruticosa 'Coronation Triumph'	5 gallon	container	low	4'x3'
12	MLM	MORNING LIGHT MISCANTHUS	Miscanthus sinensis 'Morning Light'	1 gallon	container	low	4'x3'
24	OFG	ORNAMENTAL FOUNTAIN GRASS	Pennisetum orientale	1 gallon	container	low	3'x3'

GENERAL LANDSCAPE NOTES

1. ALL WORK SHALL CONFORM TO LOCAL CITY AND COUNTY CODES. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THE LANDSCAPE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.

2. THE OWNER, SUCCESSORS, AND ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, AND REPLACEMENT OF ALL LANDSCAPING MATERIALS SHOWN OR INDICATED ON THE APPROVED SITE PLAN OR LANDSCAPE PLANS ON FILE WITH THE CITY PLANNING DEPARTMENT. ALL LANDSCAPING SHALL BE INSTALLED AS SHOWN ON THE LANDSCAPE PLANS PRIOR TO THE ISSUANCE FOR THE CERTIFICATE OF OCCUPANCY,

3. CONTRACTOR SHALL VERIFY (CALL FOR UTILITY LOCATES) LOCATION OF ALL EXISTING UTILITIES AND STRUCTURES PRIOR TO EXCAVATION OR TRENCHING.

4. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF ANY SETTLING DUE TO EXCAVATION AND TRENCHING.

5. CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING ADJACENT PROPERTY'S AMENITIES/ IMPROVEMENTS, UNLESS OTHERWISE NOTED.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY DAMAGE DUE TO PROJECT'S CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIR TO UTILITIES, ADJACENT LANDSCAPE, AND THE SUBCONTRACTOR'S OPERATIONS DURING CONSTRUCTION AND/ OR THE SPECIFIED MAINTENANCE PERIOD. THE CONTRACTOR SHALL FULLY COMPENSATE THE OWNER FOR ANYTHING DISTURBED AND/ OR DESTROYED THAT IS NOT DESIGNATED FOR DEMOLITION.

7. ALL UTILITY EASEMENTS SHALL REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR USE OF MAINTENANCE EQUIPMENT ENTRY.

8. SEE CIVIL ENGINEER'S DRAWINGS FOR GRADING AND DRAINAGE, EROSION CONTROL, PAVING AND SLEEVES, UTILITIES, AND OTHER ENGINEERED DETAILS.

9. ALL LANDSCAPE BED AREAS AND TURF AREAS SHALL RECEIVE SOIL PREPARATION AT A RATE OF (4) FOUR CUBIC YARDS PER 1,000 SQUARE FEET. PRIOR TO LANDSCAPE INSTALLATION A SOILS TEST SHALL BE PREFORMED TO DETERMINE THE SPECIFICS OF THE SOIL AMENDMENT FOR TURF AREAS. IRRIGATED NATIVE AREAS TO RECEIVE 1 CUBIC YARD PER 1000 SQUARE FEET. NON-IRRIGATED NATIVE SEED AREAS DO NOT RECEIVE ANY SOIL AMENDMENT.

10. STEEL EDGER SHALL BE PROVIDED AROUND ALL PLANTING BEDS AS SHOWN ON PLANS AND ADJACENT TURF AREAS. EDGER SHALL BE GALVANIZED STEEL, ROLLED TOP EDGE, AND INTERLOCKING. EDGER IS NOT NECESSARY ADJACENTLY-PARALLEL TO CURBS, WALLS, AND WALKS. EDGER IS NOT NECESSARY FOR TREES AND SHRUBS IN NATIVE AREAS.

11. ALL PLANTING BEDS SHALL BE MULCHED WITH 2"-3" DEPTH GRANITE MULCH 1.5" DIAMETER. APPLY A PRE-EMERGENT HERBICIDE IN BED AREAS.

12. ALL PLANTS OF THE SAME SPECIES AND SIZE SHALL HAVE MATCHING HEIGHT AND FORM, UNLESS OTHERWISE NOTED. ALL PLANTS SHALL CONFORM TO THE "AMERICAN STANDARD FOR NURSERY STOCK."

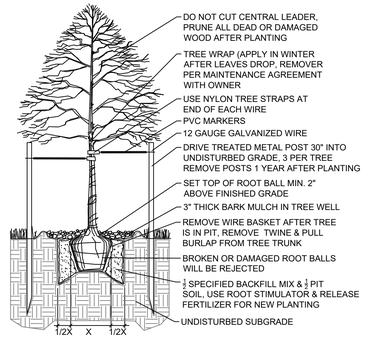
13. ALL PLANTS SHALL BE PLANTED USING AN EQUALLY SPACED TRIANGULAR PATTERN, UNLESS OTHERWISE NOTED AND/ OR SHOWN ON THE LANDSCAPE DRAWINGS.

14. CONTRACTOR SHALL REPORT ANY DISCREPANCY FOUND IN THE FIELD VERSUS THE LANDSCAPE DRAWINGS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, OWNER'S REPRESENTATIVE, AND/ OR THE CITY/ COUNTY PRIOR TO ANY CONSTRUCTION OR DEMOLITION ACTIVITY. FAILURE TO MAKE SUCH CONFLICTS KNOWN WILL RESULT IN THE CONTRACTOR'S LIABILITY TO RELOCATE OR REPAIR.

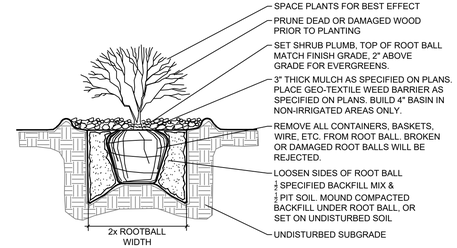
15. THE FINAL LOCATION OF ALL PLANTS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

16. CONTRACTOR SHALL PROVIDE AT LEAST A ONE YEAR WARRANTY FOR ALL PLANT MATERIAL FROM THE DATE OF FINAL INSPECTION, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, OWNER, OR CITY/ COUNTY.

17. ALL LAWN AND NATIVE GRASS AREAS SHALL BE IRRIGATED. ALL PLANTING MATERIAL IN BEDS SHALL BE DRIP IRRIGATED. ALL IRRIGATION SHALL BE AN AUTOMATIC UNDERGROUND SYSTEM. IRRIGATION TO BE DESIGN/BUILD BY CONTRACTOR.

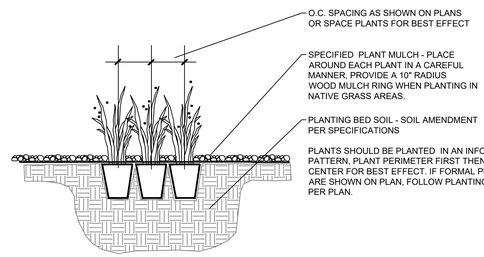


1 L.2 Deciduous Tree Planting Detail

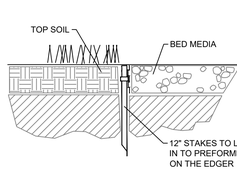


3 L.2 Shrub Planting Detail

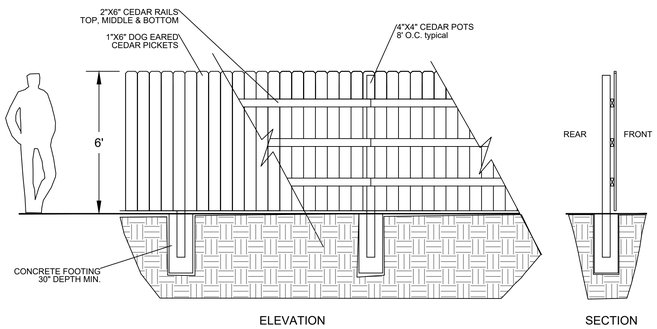
2 L.2 Evergreen Tree Planting Detail



4 L.2 Perennial & Grass Planting Detail



5 L.2 Steel Edger Detail



6 L.2 6' Privacy Fence Detail

Prepared by:

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June 11, 2024

Landscape Notes & Details

SHEET NUMBER:
7 of 9

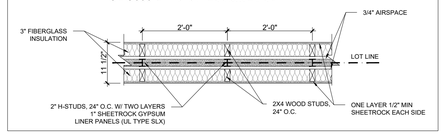
BANNER ATTACHED HOMES

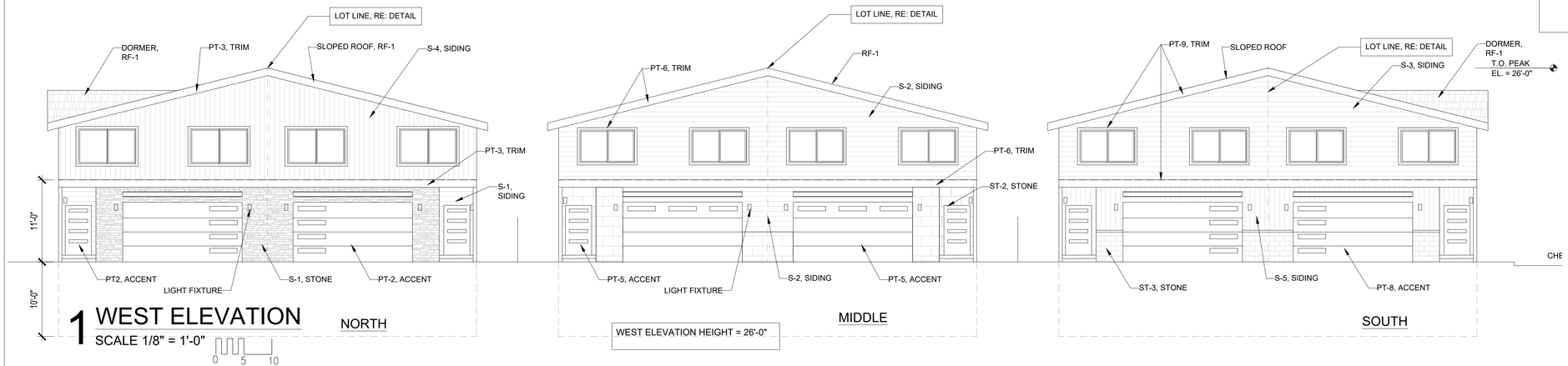
SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

GROSS FLOOR AREA	INDIVIDUAL UNIT	PAIRED UNIT
1ST FLOOR	1240 SF	2480 SF
-GARAGE	440 SF	880 SF
2ND FLOOR	1680 SF	3360 SF
BASEMENT(UNFINISHED)	1206 SF	2412 SF
TOTAL	4566 SF	9132 SF

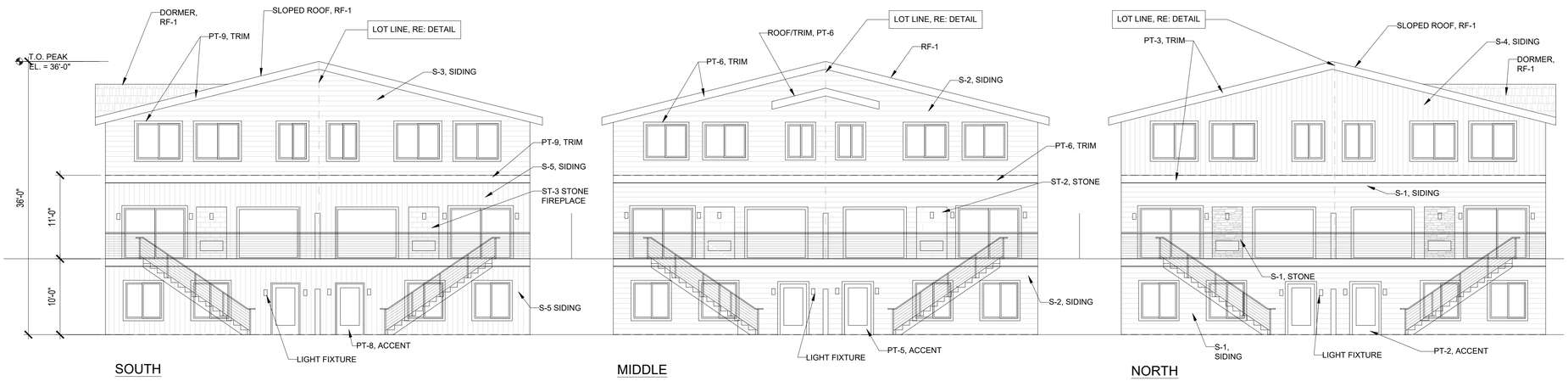
SEPARATION WALL ON LOT LINE
IRC 302.1 WALL RATING ON ZERO SEPARATION
IRC 302.3 TWO FAMILY DWELLING
UL U336 2-HR RATED ASSEMBLY





1 WEST ELEVATION
SCALE 1/8" = 1'-0"
NORTH MIDDLE SOUTH

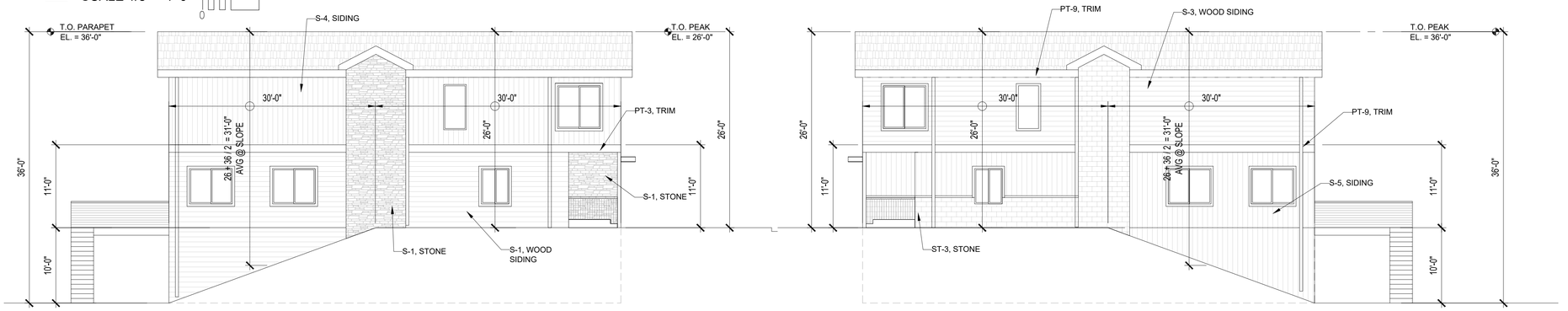
WEST ELEVATION HEIGHT = 26'-0"



SOUTH MIDDLE NORTH

2 EAST ELEVATION
SCALE 1/8" = 1'-0"

EAST ELEVATION HEIGHT = 36'-0"



3 NORTH ELEVATION
SCALE 1/8" = 1'-0"

NORTH ELEVATION AVERAGE HEIGHT
26'-0" + 31'-0" =57'-0" /2 = 28'-6

4 SOUTH ELEVATION
SCALE 1/8" = 1'-0"

SOUTH ELEVATION AVERAGE HEIGHT
26'-0" + 31'-0" =57'-0" /2 = 28'-6

FINISHES/MATERIALS: NORTH

STONE:
ST-1 ELDORADO
EUROPEAN LEDGE
COLOR: LINEN

SIDING:
S-1 HARDIE PLANK LAP SIDING
COLOR: PT-1, SAUTEED MUSHROOM
(GLIDDEN)

S-4 HARDIE PLANK SIDING
COLOR: PT-10, CHINAWHITE (GLIDDEN)

ACCENT:
PT-2 COLOR: PT-2, BURGUNDY WINE
(GLIDDEN)

TRIM:
PT-3 COLOR: PT-3, SERIOUSLY SAND
(GLIDDEN)

COLOR:
RF-1 GAF TIMBERLINE HDZ SHINGLES
COLOR: WILLIAMSBURG SLATE

FINISHES/MATERIALS: MIDDLE

STONE:
ST-2 ELDORADO
MARQUEE24
COLOR: SANDERLING

COLOR:
S-2 HARDIE PLANK LAP SIDING
COLOR: PT-4, AFTER THE STORM
(GLIDDEN)

ACCENT:
PT-5 COLOR: PT-5, GOBLIN
(GLIDDEN)

TRIM:
PT-6 COLOR: PT-6 FOG
(GLIDDEN)

ROOF:
RF-1 GAF TIMBERLINE HDZ SHINGLES
COLOR: WILLIAMSBURG SLATE

FINISHES/MATERIALS: SOUTH

STONE:
ST-3 ELDORADO
SIERRACUT24
COLOR: HIDDEN CREEK

SIDING:
S-3 HARDIE PLANK LAP SIDING
COLOR: PT-7, CRAFTSMAN GOLD
(GLIDDEN)

S-5 HARDIE PLANK SIDING
COLOR: PT-11 SANDLEWOOD BEIGE
(GLIDDEN)

ACCENT:
PT-8 COLOR: PT-8, CHARCOAL SMOKE
(GLIDDEN)

TRIM:
PT-9 COLOR: PT-9 MESA BEIGE
(GLIDDEN)

COLOR:
RF-1 GAF TIMBERLINE HDZ SHINGLES
COLOR: WILLIAMSBURG SLATE

BUILDING HEIGHT
WEIGHTED AVERAGE ON THE PERIMETER OF THE BUILDING

-WEST FRONT HEIGHT 26'-0"
-EAST REAR HEIGHT 36'-0"
-NORTH AVERAGE HEIGHT 28'-6"
-SOUTH AVERAGE HEIGHT 28'-6"

BUILDING WEIGHTED AVERAGE = 29'-9"

WONG STRAUCH architects

SHEET NUMBER:
8 OF 8

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

CANARM®

CANARM LTD. HEAD OFFICE
PO Box 367, 2157 Parkedale Avenue, Brockville, Ontario K6V5V6
Tel: 613-342-5424 | Fax: 1-800-263-4598
www.canarm.com

CANARM INC.
709 East Main Street, Teutopolis, IL USA 62467
Tel: 1-800-267-4427 | Fax: 1-800-263-4598
www.canarmusa.com

DAWN
Outdoor Light
part # IOL339BK

General
Size of fixture: 4 3/8" W x 7 1/2" H x 6 3/4" D
Finish: black
Canopy size: 6" H x 4 1/4" W
Lamping: 1 x100W A bulb (not included)
DUSK TO DAWN PHOTO CELL SWITCH
Mounting: wall

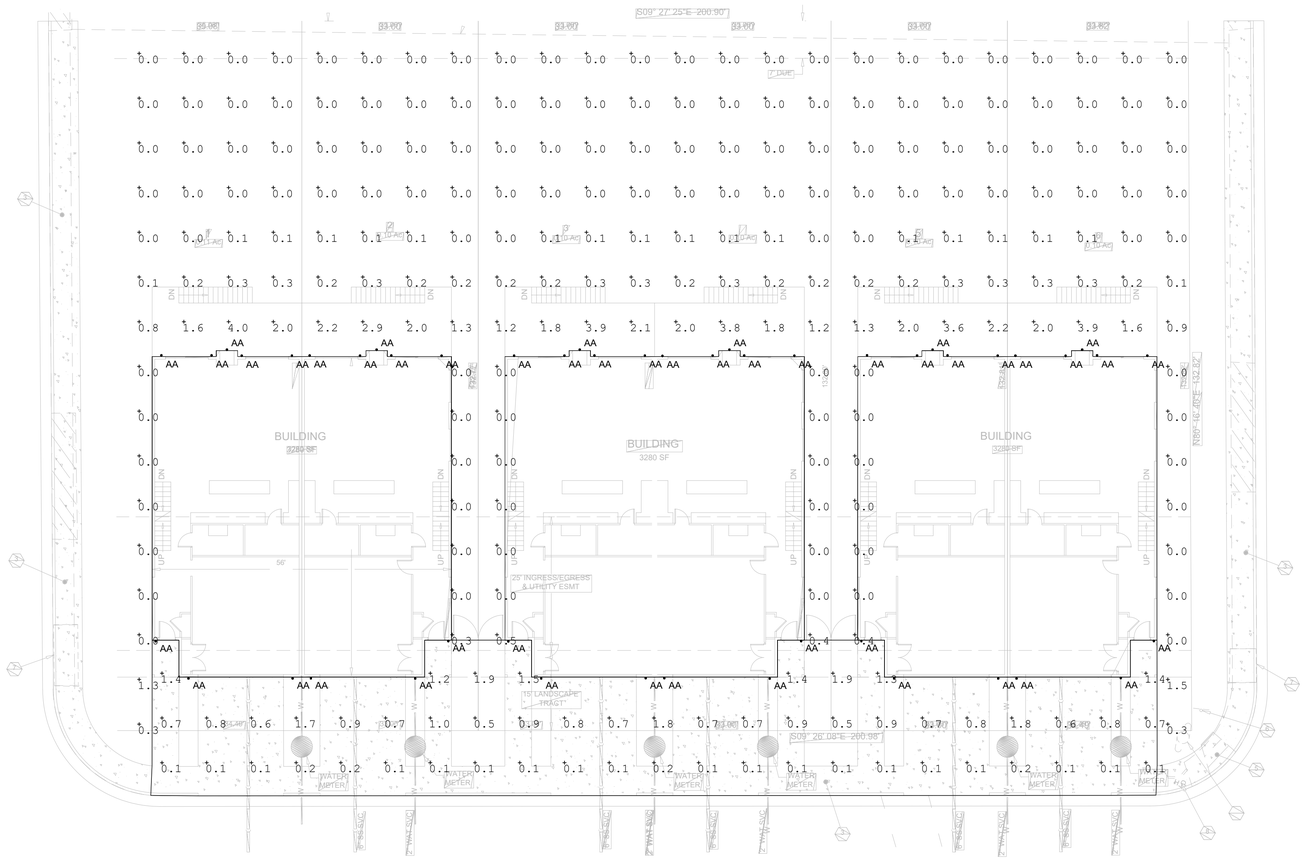
Packaging
Color box: 8.27" x 5.51" x 9.06"
Color box weight: 2.43 lbs
Master box: 17.33" x 11.82" x 10.04"
Pieces per Master box: 4
Master box weight: 10.80 lbs

Warranty & Safety Standards
Warranty - one year
cCSAus
Rated for wet locations

To maintain IDA compliance, the Lamp (bulb) used must have 3000 CCT (Correlated Color Temperature) or less

Prepared for
Contact
Date
Presented by
Remarks

WARNING: The use of this product can expose you to chemicals including Cadmium, which is known to the State of California to cause cancer, and Lead, which is known to the State of California to cause birth defects and/or other reproductive harm. For more information go to www.P65Warnings.ca.gov.



PHOTOMETRIC SITE PLAN
SCALE: 1/16" = 1'-0"

LUMINAIRE SCHEDULE						
SYMBOL	**QTY**	**LABEL**	**WATTS**	**LUMENS**	**LLF**	**CATALOG**
	48	AA	11	1018	0.900	IOL 339BK (11W 3000K LED BULB)

CALCULATION STATISTICS			
REFLECTANCES	**CALCULATION SPACING**	**FC CALCULATION HEIGHT**	**MOUNTING HEIGHT**
DIRECT METHOD ONLY	10'-0" x 10'-0"	FLOOR 0'-0" A.F.G.	BALCONY 6'-0" A.F.F.
			FRONT: 7'-9" A.F.G.

CALCULATION SUMMARY						
LABEL	**UNITS**	**AVG**	**MAX**	**MIN**	**AVG/MIN**	**MAX/MIN**
OVERALL	Fc	0.30	4.0	0.0	N.A.	N.A.
SIDEWALK_Planar	Fc	0.65	1.9	0.1	6.50	19.00

SHEET NUMBER:
9 OF 9

ROTH LANG ENGINEERING GROUP LLC

OPINION OF PROBABLE CONSTRUCTION COSTS
BANNER PAIRED HOMES
Date: March 26, 2024
Town of Elizabeth Project No:
RLEG Job No: 240104

PUBLIC IMPROVEMENTS
DEMOLITION

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
Remove Curb Cut in ROW - Spruce St	98	LF	$7.50	$735.00
Remove Curb Cut in ROW - Chestnut St	98	LF	$7.50	$735.00
Remove Curb and Gutter in ROW - Banner St	177	LF	$7.50	$1,327.50
Remove Concrete Road Pavement Full Panel in ROW - Banner St	1358	SY	$25.00	$33,950.00
Remove Concrete Stairs in ROW - Banner St	25	SY	$25.00	$625.00
Remove Concrete Sidewalk in ROW - Spruce St	325	SY	$25.00	$8,125.00
Remove Concrete Sidewalk in ROW - Chestnut St	49	SY	$25.00	$1,225.00
			SUBTOTAL: DEMOLITION	$46,722.50

PAVING

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
Curb and Gutter - Spruce St	24	LF	$75.00	$1,800.00
Curb and Gutter - Banner St	177	LF	$75.00	$13,275.00
Curb and Gutter - Chestnut St	24	LF	$75.00	$1,800.00
Curb Ramp	1	EA	$250.00	$250.00
Concrete Road Pavement Full Panel (10" thick) - Banner St	1358	SY	$150.00	$203,700.00
Concrete Sidewalk (6" thick) - Spruce St	325	SY	$60.00	$19,500.00
Concrete Sidewalk (6" thick) - Banner St	493	SY	$60.00	$29,580.00
Concrete Sidewalk (6" thick) - Chestnut St	49	SY	$60.00	$2,940.00
			SUBTOTAL: PAVING	$272,845.00

SIGNAGE AND STRIPING

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
	1	EA		$0.00
	1	EA		$0.00
	1	EA		$0.00
			SUBTOTAL: SIGNAGE AND STRIPING	$0.00

MISCELLANEOUS

ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
Construction Surveying	1	LS	$4,500.00	$4,500.00
Materials Testing/ Observation	1	LS	$5,000.00	$5,000.00
As Built Preparation	1	LS	$2,000.00	$2,000.00
			SUBTOTAL: MISCELLANEOUS	$11,500.00

SUBTOTAL	**$331,067.50**
TOTAL (w/ additional 15% contingency fee)	**$380,727.63**

EXHIBIT C

EXHIBIT B

BANNER STREET PAIRED HOMES

PUBLIC RIGHT OF WAY LANDSCAPE COST ESTIMATE

	Description	Unit	Quantity	Unit Cost	Amount
	Streetscape Landscaping				
	Deciduous Trees - 2" caliper	Ea.	6	$650.00	$3,900
	Ornamental Trees - 1.5" caliper	Sf.	6	$600.00	$3,600
	5 gallon shrubs	Ea.	12	$65.00	$780
	1 gallon grasses	Ea.	24	$25.00	$600
	Drip Irrigation	Sf.	1,800	$1.50	$2,700
	Rock mulch	Sf.	1,800	$3.00	$5,400
				Sub-Total	$16,980
	15% contingency				$2,547
				TOTAL	$19,527
	Prepared by: Tim Dunn				

FORM- IRREVOCABLE LETTER OF CREDIT

Issuing Bank's Letterhead

Irrevocable Letter of Credit

Issuing Bank: [Type in bank name.]
Letter of Credit No.: [Type letter of credit number.]
Amount: [Type in aggregate amount.]

Issuance Date: [Type loc issuance date.]
Expiry Date: [Type loc expiration date.]
Name of Developer: [Type in name of developer.]

Town of Elizabeth
[Address]

Attention: Mayor and Town Attorney

Ladies and Gentlemen:

We hereby establish this Irrevocable Letter of Credit in your favor for an amount up to the aggregate sum of $_____ U.S. Dollars.

Funds under this credit are available to you by your draft or drafts drawn at sight on us containing the number of this Letter of Credit, as set forth above, in the Form of Sight Draft attached hereto as Exhibit 1 and incorporated by this reference. Partial drawings are permitted. The amount of the funds available under this Letter of Credit may not be reduced, except by payment of drafts drawn hereunder, or pursuant to written authorization given to us by the Town. The sole condition for payment of any draft under this Letter of Credit is that the draft be accompanied by a letter, on the Town's letterhead, signed by the Mayor or designee, stating that one or more of the following conditions exist:

a. The Town has determined that the Developer is in default of its obligations under that certain *[type in "agreement" or "permit'1,* to secure the performance of the *[type in the name and date of the agreement, such as "Site Improvement Agreement between the Town and Developer" and the name of the project, or "Development Agreement between the Town and Developer" and the name of the project]* or *[for permit, type in the name of the project];*

or

b. That the expiry date of this Irrevocable Letter of Credit is less than fourteen (14) days from the date of the Mayor or designee's letter and the Developer has not provided the Town with a replacement letter of credit in an amount and form acceptable to the Town to secure the performance of the *[type in name of the agreement]* or *[for permit, type in the name of the project]* described herein.

Drafts for payment by the Town, pursuant to this Letter of Credit, shall be deemed timely presented if, prior to the date of expiration of the Letter of Credit, the draft is deposited in the U.S. mail or otherwise delivered for transmission by any other usual means of communication with postage or cost of transmission prepaid and properly addressed to the above letterhead address.

We hereby agree with the Town that such drafts will be processed in good faith and duly honored, upon presentation to us, as provided herein. In case of wrongful dishonor, we agree to reimburse the Town for all court costs, investigative costs and reasonable attorneys fees the Town may incur in obtaining payment, according to the terms of this Letter of Credit. This Letter of Credit shall be governed by and construed in accordance with the laws of the State of Colorado. We further agree that the exclusive venue for any action concerning this Letter of Credit shall be the District Court for Elbert County, Colorado.

Very truly yours,
[Name of Bank]

By: _____
Signature of Authorized Signing Officer

0

_____
Print
Name
[Signature Must Be Notarized]

STATE OF COLORADO)
)ss.
COUNTYOF _____)

The foregoing instrument was acknowledged before me this _____ day of_____ 20 _, by_____,as _____of_____

My commission expires:_____ _

SEAL

_____
Notary Public

EXHIBIT 1

FORM OF SIGHT DRAFT

Date: _____

At sight, pay to the order of Town of Elizabeth _____ Dollars
($_____), for value received and charge to the account of *[name of Developer]*.

Drawn under Letter of Credit No _____
[*type letter of credit issuance date]*.

To: [*name of Issuing Bank*] _____, Town of Elizabeth, beneficiary,

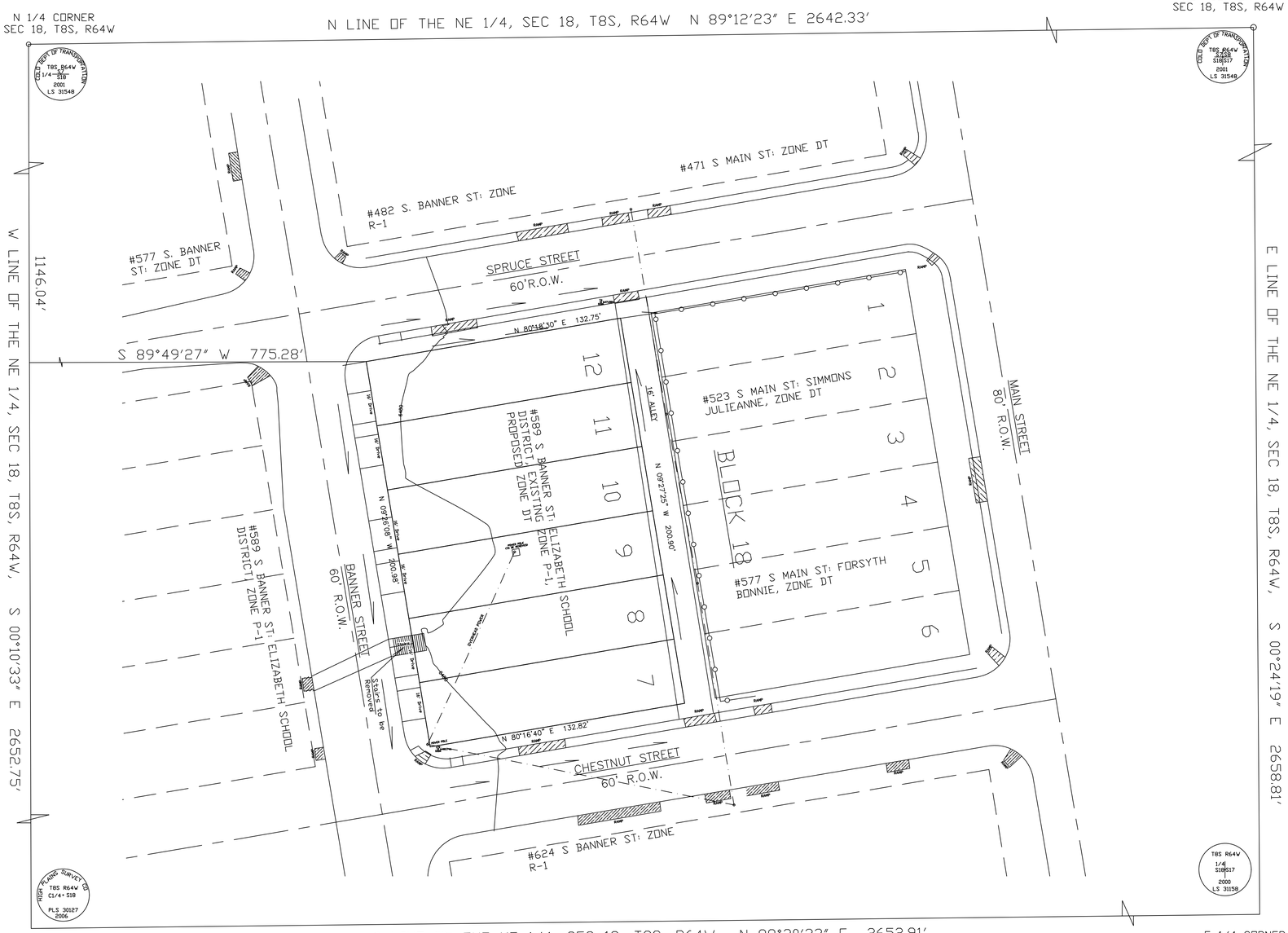
[*Address of Issuing Bank*] _____

_____
By: [*type Mayor or designee*]

ATTACHMENT A

BANNER STREET PAIRED HOMES REZONE EXHIBIT

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH
LOCATED IN THE NE 1/4 OF SECTION 18, T 8 S, R 64 W, OF THE 6th P.M.
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO,



VICINITY MAP
(Not to Scale)

OWNER: ELIZABETH SCHOOL DISTRICT, 634 S. ELBERT STREET, PO BOX 250, ELIZABETH CO. 80107,303-646-1836
APPLICANT: LG DESIGNS & CONSTRUCTION, LLC

LAND AREA: 26,682 Square Feet
EXISTING ZONING: Public/Institutional (P-I)
PROPOSED ZONING: Downtown (DT)
PROPOSED USE: Single Family Attached
AVERAGE LOT SIZE: 4,448 Square Feet
PROPOSED DENSITY: One Unit Per Lot

1. BANNER STREET HOMES, TO BE 6 SINGLE FAMILY ATTACHED UNITS.
2. NO LAND DEDICATIONS.
3. THERE ARE NO UNIQUE FEATURES ON THIS SITE.

LEGAL DESCRIPTION:
LOTS 7, 8, 9, 10, 11, 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.

STANDARD NOTES:

1. NOTICE ACCORDING TO COLORADO LAW YOU MUST COMMENCE ANY LEGAL ACTION BASED UPON ANY DEFECT IN THIS SURVEY WITHIN THREE YEARS AFTER YOU FIRST DISCOVER SUCH DEFECT. IN NO EVENT MAY ANY ACTIO BASED UPON ANY DEFECT IN THIS SURVEY BE COMMENCED MORE THAN TEN YEARS FROM THE DATE OF THE CERTIFICATION SHOWN HEREON.
2. 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, COLORADO REVISED STATUTES.
3. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH TO DETERMINE OWNERSHIP.
4. THIS SURVEY IS NOT A GUARANTY OR WARRANTY, EITHER EXPRESSED OR IMPLIED

BASE LINE – BASIS OF BEARINGS THE West LINE OF THE NORTHEAST 1/4, SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN S 00°10'33" E 2652.75' MONUMENTED AS SHOWN

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

N

CERTIFICATION:

I, DANIEL J KALMES, A REGISTERED LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THIS SURVEY WAS MADE UNDER MY SUPERVISION AND IT IS ACCURATE TO THE BEST OF MY KNOWLEDGE, AND IS BASED UPON PROFESSIONAL LAND SURVEYOR'S KNOWLEDGE, INFORMATION AND BELIEF, AND IS IN ACCORDANCE WITH APPLICABLE STANDARDS OF PRACTICE. THIS SURVEY IS MADE FOR THE ABOVE STATED PURPOSE ONLY AND NO OTHER RESPONSIBILITY IS HEREBY ASSUMED. THIS SURVEY IS NOT A GUARANTY OR WARRANTY, EITHER EXPRESSED OR IMPLIED.

COLORADO REGISTERED DANIEL J. KALMES 16409 PROFESSIONAL LAND SURVEYOR

DANIEL J KALMES LS 16409 03/20/2024

KMD inc.
4901 E DRY CREEK RD
Suite #208
Centennial, CO. 80122
PH: 303-773-8770
dkalmes@kmd-inc.com

Clerk and Recorder:

STATE OF COLORADO)
SS)
COUNTY OF ELBERT)

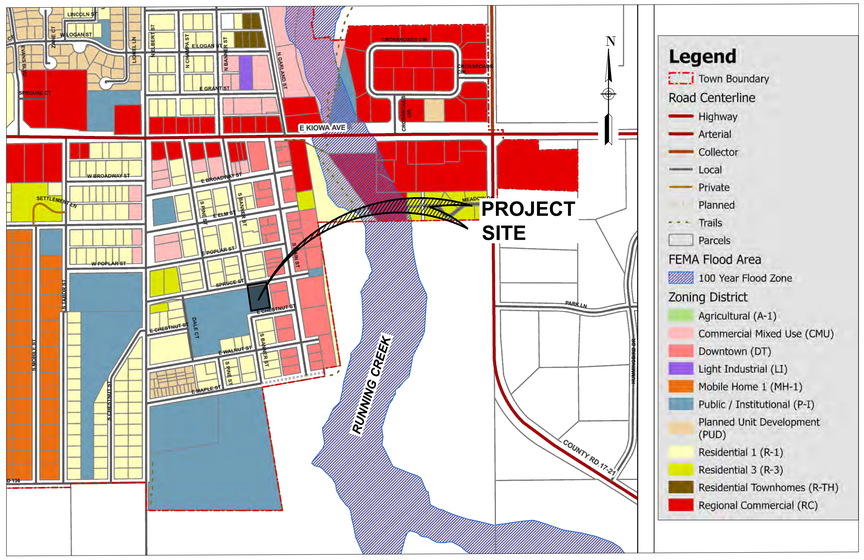
I hereby certify that this plat was filed in my office on this __, day of _____, 20__, A.D., at ____, pm., and was recorded at Reception Number _____,

_____,
County Clerk and Recorder

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET



VICINITY MAP
SCALE 1" = 500'

PROJECT DESCRIPTION:

PROJECT DESCRIPTION:
THE PROJECT CONSISTS OF THE CONSTRUCTION OF SIX PAIRED HOMES ON SIX LOTS WITH THREE STRUCTURES (THREE STORIES EACH). INCLUDED WITH THE DEVELOPMENT WILL BE TWO CAR GARAGES FOR EACH UNIT, BACK YARD AMENITY SPACE, PERMANENT DETENTION AND WATER QUALITY FACILITIES AND APPURTENANT LANDSCAPING.

EXISTING CONDITIONS:
THE PROJECT AREA IS CURRENTLY ZONED AS P-I PUBLIC/INSTITUTIONAL AND WILL BE REZONED CONCURRENT WITH THIS SDP. IT IS CURRENTLY COVERED BY ASPHALT (OLD PARKING LOT) AND WEEDS AND DIRT, AS AN AUXILIARY USE FOR THE SCHOOL BUILDING ACROSS BANNER STREET. THE GROUND FALLS WEST TO EAST WITH STEEP GRADES FROM BANNER AND AGAIN AT THE PUBLIC ALLEY.

PROPOSED CONDITIONS:
THE PROJECT ONCE DEVELOPED WILL INCLUDE THREE BUILDINGS, DRIVEWAYS ALONG BANNER STREET AND LANDSCAPED BACK YARDS TO THE EAST FOR SIX PAIRED HOMESITES. THE PREVIOUSLY UNDETAINED AND UNTREATED STORM WATER FLOWS WILL BE ROUTED TO A NEW WATER QUALITY AND DETENTION POND, WHICH WILL DISCHARGE TO THE EXISTING STORM SEWER IN CHESTNUT STREET.

GENERAL SITE DATA:

ZONING:	DOWNTOWN (DT)
CURRENT USE:	PARKING LOT
PROPOSED USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOMES
PROPERTY AREA:	26,682 SF (0.61 ACRES)
DISTURBED AREA (LOC):	0.78 ACRES
LATITUDE:	39°21'29.0"N
LONGITUDE:	104°35'44.8"W

GENERAL SITE DATA:

		% OF LOT
LOT 7:		
TOTAL LOT AREA:	4,536 SF/ 0.104 AC	
TOTAL DWELLING UNITS:	1 (1/2 OF A PAIRED HOME)	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	37.0%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 8:		
TOTAL LOT AREA:	4,382 SF/ 0.101 AC	
TOTAL # BLDGS:	1 (1/2 OF A PAIRED HOME)	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 9:		
TOTAL LOT AREA:	4,382 SF/ 0.101 AC	
TOTAL # BLDGS:	1 (1/2 OF A PAIRED HOME)	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 10:		
TOTAL LOT AREA:	4,382 SF/ 0.101 AC	
TOTAL # BLDGS:	1	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 11:		
TOTAL LOT AREA:	4,381 SF/ 0.101 AC	
TOTAL # BLDGS:	1 (1/2 OF A PAIRED HOME)	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	38.3%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	
LOT 12:		
TOTAL LOT AREA:	4,618 SF/ 0.106 AC	
TOTAL # BLDGS:	1	
TOTAL DWELLING UNITS:	1	
TOTAL GROSS FLOOR AREA:	4,566 SF	
ROOF COVERAGE:	1,970 SF	
MAX BLDG COVERAGE AREA:	1,680 SF (2ND FLOOR)	36.4%
WEIGHTED AVG. BLDG HEIGHT:	29'-9"	
USE:	SINGLE FAMILY RESIDENTIAL PAIRED HOME	

PARKING TOTALS

LOT 7 - LOT 12	2 GARAGE SPACES EACH
TOTAL # OF SPACES:	12 GARAGE SPACES E

LEGAL DESCRIPTION:

LOTS 7 THRU 12, BLOCK 18, PHILIPS ADDITION TO THE TOWN OF ELIZABETH
LOCATED IN THE NE 1/4 OF SECTION 18, T 8 S, R 64 W, OF THE 6TH P.M.
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.

BENCHMARK:

88 DATUM BASED UPON GPS OBSERVATION.
LS 31548 BRASS CAP LOCATED AT NW CORNER OF SITE.
ELEV = 6499.2

BASIS OF BEARINGS:

THE WEST LINE OF THE NORTHEAST ¼, SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE 6TH PRINCIPAL MERIDIAN, S00°10'35" E, 2652.75"

SHEET INDEX:

1 COVER
2 SITE PLAN
3 OVERALL GRADING PLAN
4 GRADING DETAILS
5 OVERALL UTILITY PLAN
6 LANDSCAPE PLAN
7 LANDSCAPE NOTES AND DETAILS
8 ARCHITECTURE, BUILDING ELEVATIONS
9 PHOTOMETRIC PLAN

APPLICANT/DEVELOPER SIGNATURE BLOCK

BANNER PAIRED HOMES DATE

DT (DOWNTOWN) ZONING DISTRICT DIMENSIONAL STANDARDS:

BLDG HEIGHT:	30' MAX HEIGHT
SETBACKS:	0' - FRONT PUBLIC RIGHT OF WAY 5' - REAR 0' - INTERIOR SIDE 5' - STREET SIDE PUBLIC ROW
MIN LOT/SPACE SIZE	800 SF
MAX LOT/SPACE COVERAGE	
1) UNDER ROOF	70%
2) MINIMUM VEGETATIVE AREA	5%
MINIMUM WIDTH OF LOT/SPACE	32 FT

CONTACT LIST:

OWNER
ELIZABETH SCHOOL DISTRICT
634 S. ELBERT STREET
PO BOX 250
ELIZABETH, CO 80107
303-646-1836

APPLICANT/DEVELOPER
LG DESIGNS AND CONSTRUCTION LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116
303-803-6326

CIVIL ENGINEER
ROTH LANG ENGINEERING GROUP, LLC
6855 S. HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
303-841-9365

ARCHITECT
WONG STRAUCH ARCHITECTS
820 SANTA FE DRIVE
DENVER, CO 80204
303-293-9206

SURVEYOR
KMD INC.
4901 E. DRY CREEK ROAD, SUITE 208
CENTENNIAL, CO 80122
303-773-8770

LANDSCAPE ARCHITECT
TIM DUNN DESIGN
720-350-2411
TADUNN1958@GMAIL.COM

COVER

SHEET NUMBER:
1 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

LINETYPE LEGEND

PROPOSED		EXISTING
	CENTERLINE OF ROAD	
	DRAINAGE SWALE	
	FENCE - WOOD POST	
	PROPERTY BOUNDARY	
	RETAINING WALL	
	RIGHT-OF-WAY LINE	
	HANDRAIL	

SYMBOLS LEGEND

	CROSSWALK	
	DOOR	
	FIRE HYDRANT	
	STREET SIGN	
	PRIVATE BUILDING ENTRANCE	

HATCHING LEGEND

	CONCRETE PAVING
	EX CONCRETE PAVING
	SAND FILTER
	DETENTION POND

HORIZONTAL SCALE: 1" = 10'

PUBLIC ALLEY (16' ROW)
SPRUCE ST (60' ROW)
CHESTNUT ST (60' ROW)
BANNER ST (60' ROW)

EX 12' CURB CUT
EX 14' CURB CUT
EX 26' CURB CUT
EX 13' CURB CUT TO REMAIN
EX WOOD / CHAIN LINK FENCE
EX EOP TO REMAIN
EX CORE OVERHEAD FACILITIES TO PROVIDE ELECTRIC TO THE 6 LOTS
16' ROW
132 LF DRY STACK RETAINING WALL
EDB DETENTION POND 66' L X 12' W
WALL
SAFETY RAILING
S09° 27' 25"E 200.90'
5' REAR SETBACK
18.5' DE & UE (SEE NOTE #3)
EX 16' CURB CUT TO REMAIN
EX 13' CURB CUT
NOT SOURCE FOR ELECTRIC
5' SIDE STREET SETBACK
5' CONC SLWK
EXISTING CURB TO REMAIN
19' DE & UE (SEE NOTE #3)
6.5' WALL- SWALE
63 LF GRASS SWALE
5' NONEXCLUSIVE UE (SEE NOTE #2)
10' NONEXCLUSIVE UE (SEE NOTE #2)
35' LOT WIDTH
33' LOT WIDTH
34' LOT WIDTH
62.7' PL-BLDG
62.8' PL-BLDG
LOT 12 4,618 SQ FT (0.11-AC)
LOT 11 4,381 SQ FT (0.10-AC)
LOT 10 4,382 SQ FT (0.10-AC)
LOT 9 4,382 SQ FT (0.10-AC)
LOT 8 4,382 SQ FT (0.10-AC)
LOT 7 4,536 SQ FT (0.10-AC)
YARD
S80° 33' 52"W 132.76'
S80° 33' 52"W 132.77'
S80° 33' 52"W 132.78'
S80° 33' 52"W 132.80'
S80° 33' 52"W 132.81'
15' DE & UE (SEE NOTE #3)
LOT LINE (TYP)
PATIO OVHG
PATIO STAIRS
PATIO (TYP)
PATIO DOOR
6.8' PL-BLDG
10' BLDG-BLDG
6.14' PL-BLDG
LOT 12 530 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 11 540 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 10 550 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 9 560 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 8 570 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
LOT 7 580 SOUTH BANNER STREET ELIZABETH, CO. 80107 WEIGHTED AVG. HEIGHT = 29'-9"
S80° 18' 30"W 132.75'
N80° 16' 40"E 132.82'
56'
60'
66 LF GRASS SWALE
68 LF GRASS SWALE
10' BLDG-BLDG
GAS METER (TYP)
KNOX BOX
ELEC METER (TYP)
20' X 22' GARAGE
DOOR
STEPS W/ HANDRAIL
16' GARAGE DOOR
5' CONC SWLK
10' PL-BLDG
16'
16.5'
DRIVEWAY
EXISTING SIDEWALK TO REMAIN
4.5' EX SWLK
6.4' PL-BLDG
EXISTING STOP SIGN TO REMAIN
EXISTING CURB RAMP TO REMAIN
EXISTING STREET LIGHT TO REMAIN
EXISTING CROSSWALK
23.6 LF 6" CATCH CURB AND GUTTER PER TOE STD DETAIL RD-1A
35.9' FL-FL
EXISTING CURB RAMP TO REMAIN
R20'
EX CURB RAMP TO BE REMOVED AND REPLACED WITH HANDICAP RAMP TOWN OF ELIZABETH STD DETAIL RD-3A
S09° 26' 08"E 200.98'
7.3'
1,291 SQ FT CONCRETE PAD AND ROADWAY REMOVAL
177 LF COMBINATION CURB GUTTER AND SIDEWALK PER TOE STD DETAIL RD-1B
35.3' FL-FL
42.1' FL-FL
60' ROW
35.5' FL-FL
60.17' ROW

KEY:

1. EXTERIOR LIGHTING FIXTURE
2. PRIVATE GARAGE DOOR
3. PRIVATE GATE
4. PRIVATE WOOD FENCE
5. EX CURB CUT TO BE REMOVED
6. GARAGE MAN DOOR
7. RELOCATED STOP SIGN
8. ACCESS GATE IN FENCE BETWEEN LOTS FOR FIRE DEPT
9. DRAINAGE SWALE CROSSING UNDERNEATH FENCE (SEE NOTE #1)

NOTES:

1. CONTRACTOR TO PROVIDE A 9-INCH DEEP DRAINAGE CLEARANCE FROM BOTTOM OF FENCE TO SWALE FLOWLINE.
2. NONEXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
3. NONEXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
4. MAINTENANCE OF THE ON-SITE DRAINAGE FACILITY WILL BE THE RESPONSIBILITY OF ALL LOT OWNERS.

SITE PLAN

SHEET NUMBER:
2 OF 9

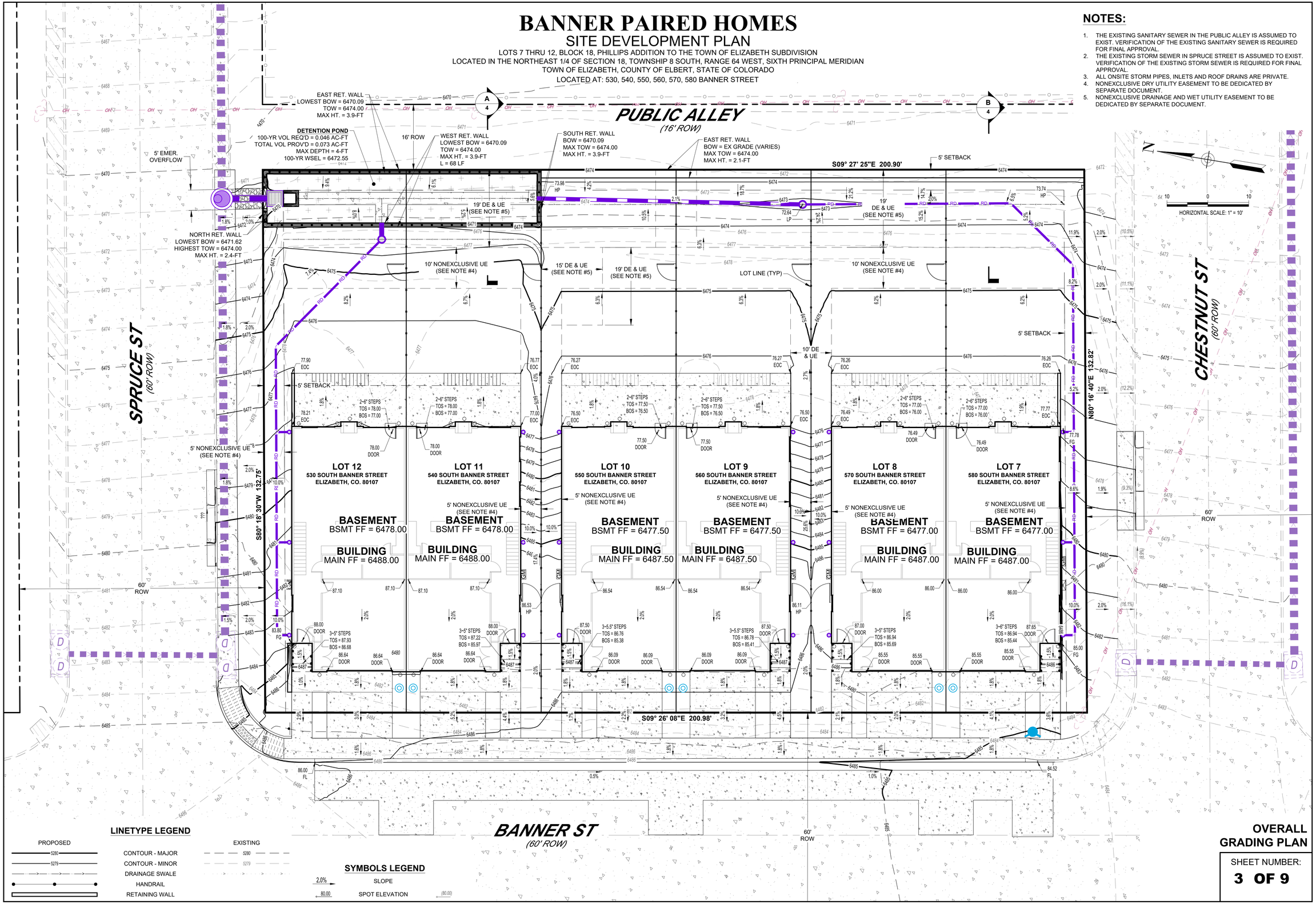
BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

NOTES:

1. THE EXISTING SANITARY SEWER IN THE PUBLIC ALLEY IS ASSUMED TO EXIST. VERIFICATION OF THE EXISTING SANITARY SEWER IS REQUIRED FOR FINAL APPROVAL.
2. THE EXISTING STORM SEWER IN SPRUCE STREET IS ASSUMED TO EXIST. VERIFICATION OF THE EXISTING STORM SEWER IS REQUIRED FOR FINAL APPROVAL.
3. ALL ONSITE STORM PIPES, INLETS AND ROOF DRAINS ARE PRIVATE.
4. NONEXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
5. NONEXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.



LINETYPE LEGEND

PROPOSED		EXISTING
5280	CONTOUR - MAJOR	5280
5279	CONTOUR - MINOR	5279
	DRAINAGE SWALE	
	HANDRAIL	
	RETAINING WALL	

SYMBOLS LEGEND

2.0%	SLOPE
80.00	SPOT ELEVATION
(80.00)	

OVERALL GRADING PLAN

SHEET NUMBER:
3 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

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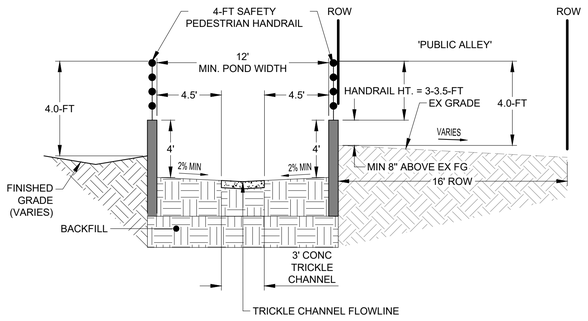
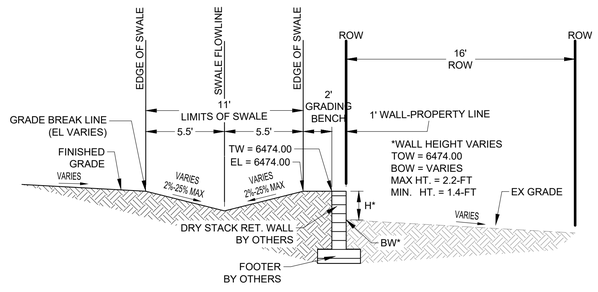


A/3 TYP. POND DETAIL SECTION
SCALE: 1" = 5'



B/3 LOT SWALE AND DRY STACK WALL DETAIL
SCALE: 1" = 5'

GRADING DETAILS

SHEET NUMBER:
4 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

KEY:

1. 3/4" OUTSIDE WATER METER IN PIT
2. 3/4" TYPE K CU PIPE DOMESTIC WATER SRVC
3. 3/4" CURB STOP
4. 3/4" CORP STOP FOR DOMESTIC WATER SRVC
5. ELECTRICAL METER
6. GAS METER

LINETYPE LEGEND

	PROPOSED	EXISTING
SANITARY SEWER		
STORM SEWER		
WATER LINE	W W	W W

HORIZONTAL SCALE: 1" = 10'

PUBLIC ALLEY (16' ROW)

16' ROW

EX 8" PVC (PUBLIC)

SEE NOTE #2

EX 8" PVC (PUBLIC)

EX 8" PVC (PUBLIC)

EX 8" PVC (PUBLIC)

S09° 27' 25"E 200.90'

5' REAR SETBACK

SPRUCE ST (60' ROW)

CHESTNUT ST (60' ROW)

EX 18" RCP (PUBLIC)

4' DIA FLAT TOP MH (PUBLIC)

15" RCP

OUTLET STRUCTURE TYPE C INLET

12" PVC (PRIVATE)

19' DE & UE (SEE NOTE #5)

6" SS SVC

12" PVC (PRIVATE)

18" INLET LS (PRIVATE)

6" PVC (PRVATE)

RD

10' NONEXCLUSIVE UE (SEE NOTE #4)

15' DE & UE (SEE NOTE #5)

6" CO

6" SS SVC

LOT LINE (TYP)

5' SIDE SETBACK

S80° 18' 30"W 132.75'

N80° 16' 40"E 132.82'

INV. OUT (6") = 6474.50 (E)

INV. OUT (6") = 6470.32 (E)

INV. OUT (6") = 6470.36 (E)

INV. OUT (6") = 6473.50 (E)

ROOF DRAIN (PRIVATE)

5' NONEXCLUSIVE UE (SEE NOTE #4)

6" PVC (PRVATE)

5' SIDE SETBACK

GM

EM

LOT 12
530 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 11
540 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 10
550 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 9
560 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 8
570 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 7
580 SOUTH BANNER STREET
ELIZABETH, CO. 80107

60' ROW

EX TYPE R - 10' (PUBLIC)

EX 12" RCP

EX TYPE R - 5' (PUBLIC)

EX STOP SIGN TO REMAIN

EX ELEC POLE TO REMAIN

PR FIRE HYDRANT RELOCATION

EX FH TO BE RELOCATED NORTH OUT OF SIDEWALK PATH

6" DIP FIRE HYDRANT LINE

6" GATE VALVE

8"X6" TEE FOR FIRE HYDRANT LINE

S09° 26' 08"E 200.98'

EX 8" WAT

EX 8" PVC

BANNER ST (60' ROW)

NOTES:

1. ALL PROPOSED UTILITIES ARE DEEMED PRIVATE UNLESS NOTED OTHERWISE.
2. THE SLOPE OF THE EXISTING SANITARY SEWER IN THE PUBLIC ALLEY IS ASSUMED.
3. ALL ONSITE STORM AND ROOF DRAINS ARE PRIVATE.
4. NONEXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
5. NONEXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
6. MAINTENANCE OF THE ON-SITE DRAINAGE FACILITY WILL BE THE RESPONSIBILITY OF ALL LOT OWNERS.

SYMBOLS LEGEND

- CURB STOP/ CORP STOP
- FIRE HYDRANT
- STORM INLET
- STORM MANHOLE
- UTILITY POLE
- WATER METER

OVERALL UTILITY PLAN

SHEET NUMBER:
5 OF 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
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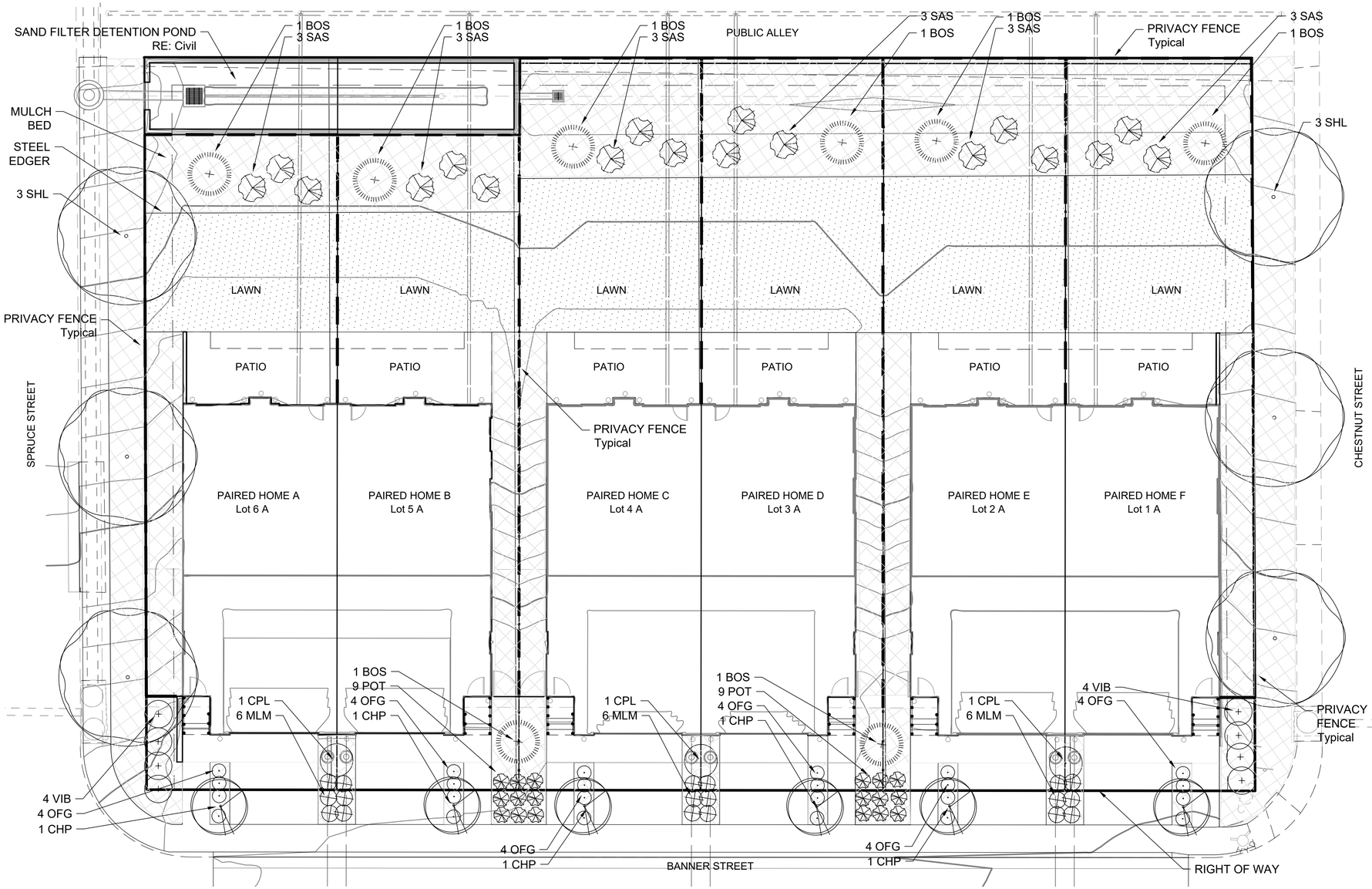
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET



0 10' 20'
North Scale 1"=10'

Landscape Requirements
Municipal Code Section 16-2-50

Public Improvements

Spruce Street
3 trees required - 3 trees provide

Chestnut Street
3 trees required - 3 trees provided

Banner Street
5 trees required - 6 trees provided
10 shrubs required - 12 shrubs provided

Landscape Area 1,800 sf
(1 tree & 5 shrubs / 1,500 sf landscape area)

Legend

Drought tolerant turf in rear yards
Irrigated Thermal Blue Texas Hybrid Turf
Total turf area - 5,200 sf

Rock mulch
Crushed granite rock 2"-3" depth over weed barrier
Total rock area Public Improvement - 1,800 sf
Total rock area Private Yards - 6,020 sf

6' Privacy Fence
See fence detail sheet

Prepared by:

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tadunn1958@gmail.com

TIM DUNN 400 — 02/15/2008 — Original Date of Licensure — STATE OF COLORADO — LANDSCAPE ARCHITECT
LANDSCAPE ARCHITECT, TIM DUNN
COLORADO LICENSE #400

Landscape Plan

SHEET NUMBER:
6 of 9

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
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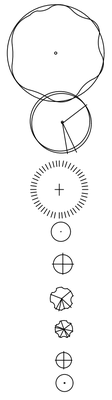


QUAN.	KEY	COMMON NAME	BOTANICAL NAME	SIZE	CONDITION	Water Use	MATURE SIZE height:width
6	SHL	SKYLINE HONEYLOCUST	Gleditsia triacanthos var.inermis 'Skyline'	2" CAL.	B&B	low	50'x35'
6	CHP	CHANTICLEER PEAR	Pyrus calleryana 'Chanticleer'	1.5" CAL.	B&B	medium	25'x15'
8	BOS	BOSNIAN PINE	Pinus heldreichii (leucodermis)	6'-8' ht.	B&B	low	25'x15'
6	CPL	COMMON PURPLE LILAC	Syringa vulgaris	5 gallon	container	low	8'x6'
8	VIB	MOHICAN VIBURNUM	Viburnum lantana 'Mohican'	5 gallon	container	low	8'x6'
18	SAS	SASKATOON SERVICEBERRY	Amelanchier alnifolia	5 gallon	container	low	15'x8'
18	POT	CORONATION TRIUMPH POTENTILLA	Potentilla fruticosa 'Coronation Triumph'	5 gallon	container	low	4'x3'
12	MLM	MORNING LIGHT MISCANTHUS	Miscanthus sinensis 'Morning Light'	1 gallon	container	low	4'x3'
24	OFG	ORNAMENTAL FOUNTAIN GRASS	Pennisetum orientale	1 gallon	container	low	3'x3'

GENERAL LANDSCAPE NOTES

1. ALL WORK SHALL CONFORM TO LOCAL CITY AND COUNTY CODES. ALL WORK SHALL BE IN ACCORDANCE WITH OSHA CODES AND STANDARDS. NOTHING INDICATED ON THE LANDSCAPE DRAWINGS SHALL RELIEVE THE CONTRACTOR FROM COMPLYING WITH ANY APPROPRIATE SAFETY REGULATIONS.

2. THE OWNER, SUCCESSORS, AND ASSIGNS SHALL BE RESPONSIBLE FOR THE INSTALLATION, MAINTENANCE, AND REPLACEMENT OF ALL LANDSCAPING MATERIALS SHOWN OR INDICATED ON THE APPROVED SITE PLAN OR LANDSCAPE PLANS ON FILE WITH THE CITY PLANNING DEPARTMENT. ALL LANDSCAPING SHALL BE INSTALLED AS SHOWN ON THE LANDSCAPE PLANS PRIOR TO THE ISSUANCE FOR THE CERTIFICATE OF OCCUPANCY,

3. CONTRACTOR SHALL VERIFY (CALL FOR UTILITY LOCATES) LOCATION OF ALL EXISTING UTILITIES AND STRUCTURES PRIOR TO EXCAVATION OR TRENCHING.

4. CONTRACTOR IS RESPONSIBLE FOR THE REPAIR OF ANY SETTLING DUE TO EXCAVATION AND TRENCHING.

5. CONTRACTOR SHALL PROTECT AND PRESERVE ALL EXISTING ADJACENT PROPERTY'S AMENITIES/ IMPROVEMENTS, UNLESS OTHERWISE NOTED.

6. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACEMENT OF ANY DAMAGE DUE TO PROJECT'S CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF REPAIR TO UTILITIES, ADJACENT LANDSCAPE, AND THE SUBCONTRACTOR'S OPERATIONS DURING CONSTRUCTION AND/ OR THE SPECIFIED MAINTENANCE PERIOD. THE CONTRACTOR SHALL FULLY COMPENSATE THE OWNER FOR ANYTHING DISTURBED AND/ OR DESTROYED THAT IS NOT DESIGNATED FOR DEMOLITION.

7. ALL UTILITY EASEMENTS SHALL REMAIN UNOBSTRUCTED AND FULLY ACCESSIBLE ALONG THEIR ENTIRE LENGTH FOR USE OF MAINTENANCE EQUIPMENT ENTRY.

8. SEE CIVIL ENGINEER'S DRAWINGS FOR GRADING AND DRAINAGE, EROSION CONTROL, PAVING AND SLEEVES, UTILITIES, AND OTHER ENGINEERED DETAILS.

9. ALL LANDSCAPE BED AREAS AND TURF AREAS SHALL RECEIVE SOIL PREPARATION AT A RATE OF (4) FOUR CUBIC YARDS PER 1,000 SQUARE FEET. PRIOR TO LANDSCAPE INSTALLATION A SOILS TEST SHALL BE PREFORMED TO DETERMINE THE SPECIFICS OF THE SOIL AMENDMENT FOR TURF AREAS. IRRIGATED NATIVE AREAS TO RECEIVE 1 CUBIC YARD PER 1000 SQUARE FEET. NON-IRRIGATED NATIVE SEED AREAS DO NOT RECEIVE ANY SOIL AMENDMENT.

10. STEEL EDGER SHALL BE PROVIDED AROUND ALL PLANTING BEDS AS SHOWN ON PLANS AND ADJACENT TURF AREAS. EDGER SHALL BE GALVANIZED STEEL, ROLLED TOP EDGE, AND INTERLOCKING. EDGER IS NOT NECESSARY ADJACENTLY-PARALLEL TO CURBS, WALLS, AND WALKS. EDGER IS NOT NECESSARY FOR TREES AND SHRUBS IN NATIVE AREAS.

11. ALL PLANTING BEDS SHALL BE MULCHED WITH 2"-3" DEPTH GRANITE MULCH 1.5" DIAMETER. APPLY A PRE-EMERGENT HERBICIDE IN BED AREAS.

12. ALL PLANTS OF THE SAME SPECIES AND SIZE SHALL HAVE MATCHING HEIGHT AND FORM, UNLESS OTHERWISE NOTED. ALL PLANTS SHALL CONFORM TO THE "AMERICAN STANDARD FOR NURSERY STOCK."

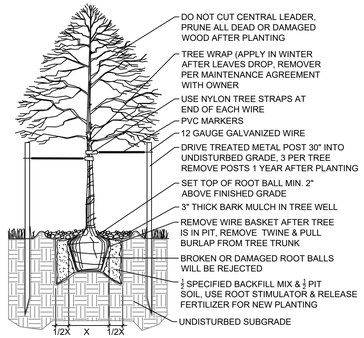
13. ALL PLANTS SHALL BE PLANTED USING AN EQUALLY SPACED TRIANGULAR PATTERN, UNLESS OTHERWISE NOTED AND/ OR SHOWN ON THE LANDSCAPE DRAWINGS.

14. CONTRACTOR SHALL REPORT ANY DISCREPANCY FOUND IN THE FIELD VERSUS THE LANDSCAPE DRAWINGS IMMEDIATELY TO THE LANDSCAPE ARCHITECT, OWNER'S REPRESENTATIVE, AND/ OR THE CITY/ COUNTY PRIOR TO ANY CONSTRUCTION OR DEMOLITION ACTIVITY. FAILURE TO MAKE SUCH CONFLICTS KNOWN WILL RESULT IN THE CONTRACTOR'S LIABILITY TO RELOCATE OR REPAIR.

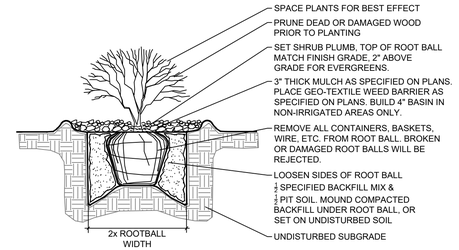
15. THE FINAL LOCATION OF ALL PLANTS SHALL BE SUBJECT TO THE APPROVAL OF THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.

16. CONTRACTOR SHALL PROVIDE AT LEAST A ONE YEAR WARRANTY FOR ALL PLANT MATERIAL FROM THE DATE OF FINAL INSPECTION, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT, OWNER, OR CITY/ COUNTY.

17. ALL LAWN AND NATIVE GRASS AREAS SHALL BE IRRIGATED. ALL PLANTING MATERIAL IN BEDS SHALL BE DRIP IRRIGATED. ALL IRRIGATION SHALL BE AN AUTOMATIC UNDERGROUND SYSTEM. IRRIGATION TO BE DESIGN/BUILD BY CONTRACTOR.

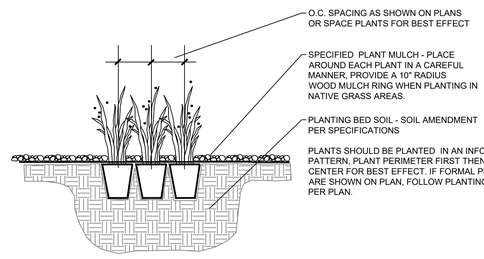


1 L.2 Deciduous Tree Planting Detail

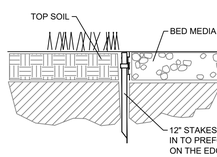


3 L.2 Shrub Planting Detail

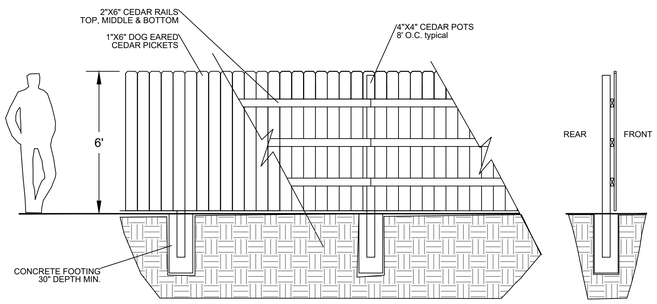
2 L.2 Evergreen Tree Planting Detail



4 L.2 Perennial & Grass Planting Detail



5 L.2 Steel Edger Detail



6 L.2 6' Privacy Fence Detail

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June 11, 2024

Landscape Notes & Details

SHEET NUMBER:
7 of 9

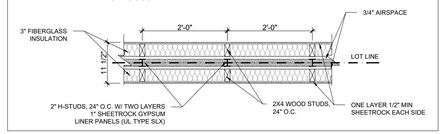
BANNER ATTACHED HOMES

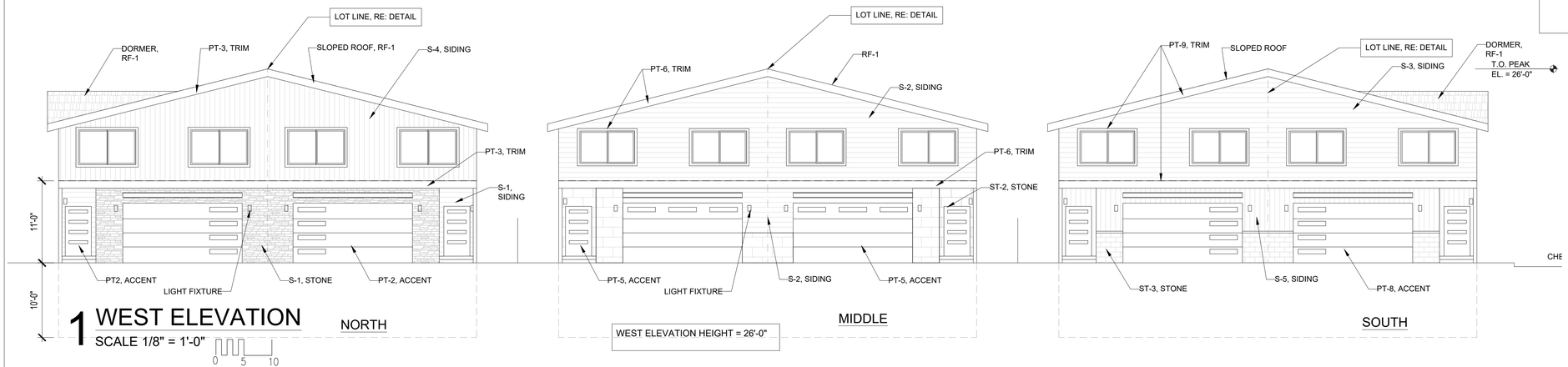
SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET

GROSS FLOOR AREA	INDIVIDUAL UNIT	PAIRED UNIT
1ST FLOOR	1240 SF	2480 SF
-GARAGE	440 SF	880 SF
2ND FLOOR	1680 SF	3360 SF
BASEMENT(UNFINISHED)	1206 SF	2412 SF
TOTAL	4566 SF	9132 SF

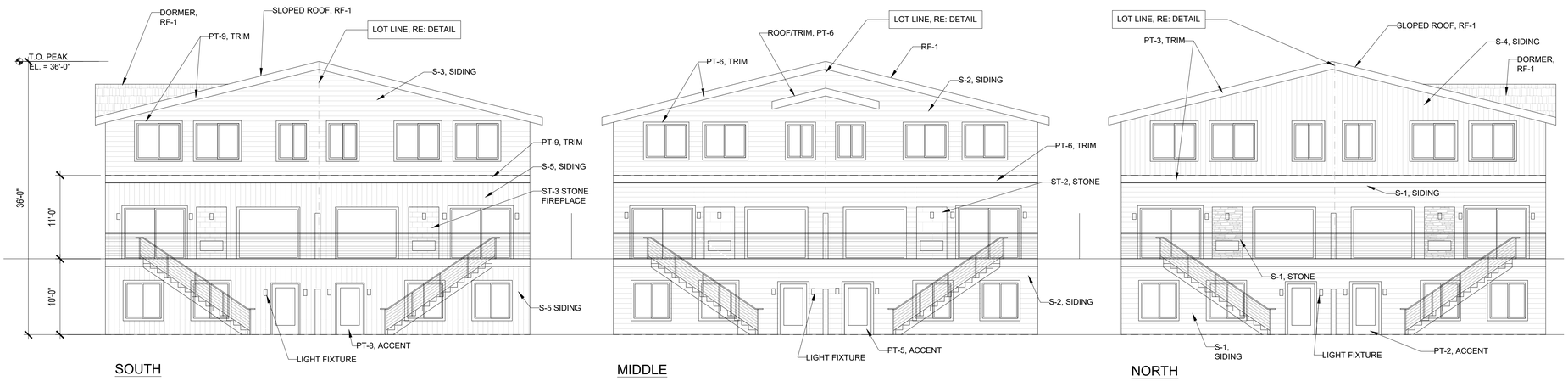
SEPARATION WALL ON LOT LINE
IRC 302.1 WALL RATING ON ZERO SEPARATION
IRC 302.3 TWO FAMILY DWELLING
UL U336 2-HR RATED ASSEMBLY





1 WEST ELEVATION
SCALE 1/8" = 1'-0"
NORTH MIDDLE SOUTH

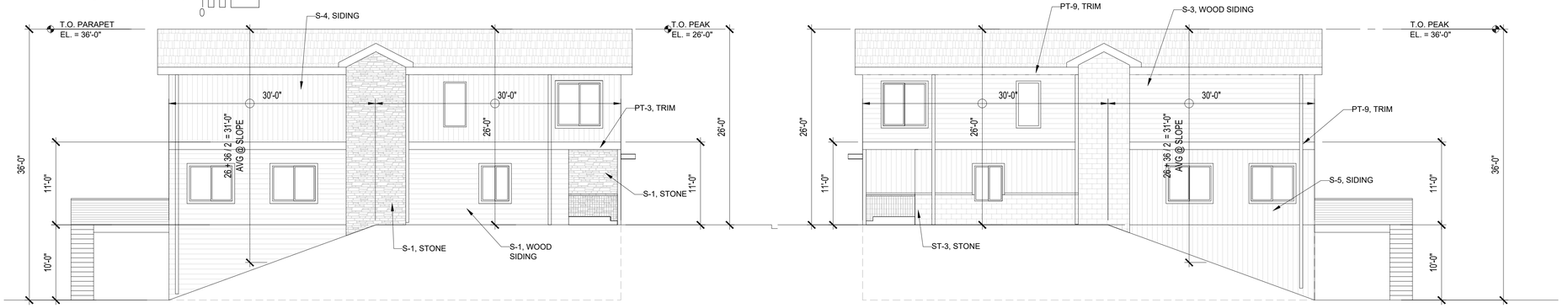
WEST ELEVATION HEIGHT = 26'-0"



SOUTH MIDDLE NORTH

2 EAST ELEVATION
SCALE 1/8" = 1'-0"

EAST ELEVATION HEIGHT = 36'-0"



3 NORTH ELEVATION
SCALE 1/8" = 1'-0"

NORTH ELEVATION AVERAGE HEIGHT
26'-0" + 31'-0" =57'-0" /2 = 28'-6

4 SOUTH ELEVATION
SCALE 1/8" = 1'-0"

SOUTH ELEVATION AVERAGE HEIGHT
26'-0" + 31'-0" =57'-0" /2 = 28'-6

FINISHES/MATERIALS: NORTH

STONE:
ST-1 ELDORADO
EUROPEAN LEDGE
COLOR: LINEN

SIDING:
S-1 HARDIE PLANK LAP SIDING
COLOR: PT-1, SAUTEED MUSHROOM
(GLIDDEN)

S-4 HARDIE PLANK SIDING
COLOR: PT-10, CHINAWHITE (GLIDDEN)

ACCENT:
PT-2 COLOR: PT-2, BURGUNDY WINE
(GLIDDEN)

TRIM:
PT-3 COLOR: PT-3, SERIOUSLY SAND
(GLIDDEN)

COLOR:
RF-1 GAF TIMBERLINE HDZ SHINGLES
COLOR: WILLIAMSBURG SLATE

FINISHES/MATERIALS: MIDDLE

STONE:
ST-2 ELDORADO
MARQUEE24
COLOR: SANDERLING

COLOR:
S-2 HARDIE PLANK LAP SIDING
COLOR: PT-4, AFTER THE STORM
(GLIDDEN)

ACCENT:
PT-5 COLOR: PT-5, GOBLIN
(GLIDDEN)

TRIM: COLOR: PT-6 FOG
PT-6 (GLIDDEN)

ROOF:
RF-1 GAF TIMBERLINE HDZ SHINGLES
COLOR: WILLIAMSBURG SLATE

FINISHES/MATERIALS: SOUTH

STONE:
ST-3 ELDORADO
SIERRACUT24
COLOR: HIDDEN CREEK

SIDING:
S-3 HARDIE PLANK LAP SIDING
COLOR: PT-7, CRAFTSMAN GOLD
(GLIDDEN)

S-5 HARDIE PLANK SIDING
COLOR: PT-11 SANDLEWOOD BEIGE
(GLIDDEN)

ACCENT:
PT-8 COLOR: PT-8, CHARCOAL SMOKE
(GLIDDEN)

TRIM: COLOR: PT-9 MESA BEIGE
PT-9 (GLIDDEN)

COLOR:
RF-1 GAF TIMBERLINE HDZ SHINGLES
COLOR: WILLIAMSBURG SLATE

BUILDING HEIGHT
WEIGHTED AVERAGE ON THE PERIMETER OF THE BUILDING

-WEST FRONT HEIGHT 26'-0"
-EAST REAR HEIGHT 36'-0"
-NORTH AVERAGE HEIGHT 28'-6"
-SOUTH AVERAGE HEIGHT 28'-6"

BUILDING WEIGHTED AVERAGE = 29'-9"

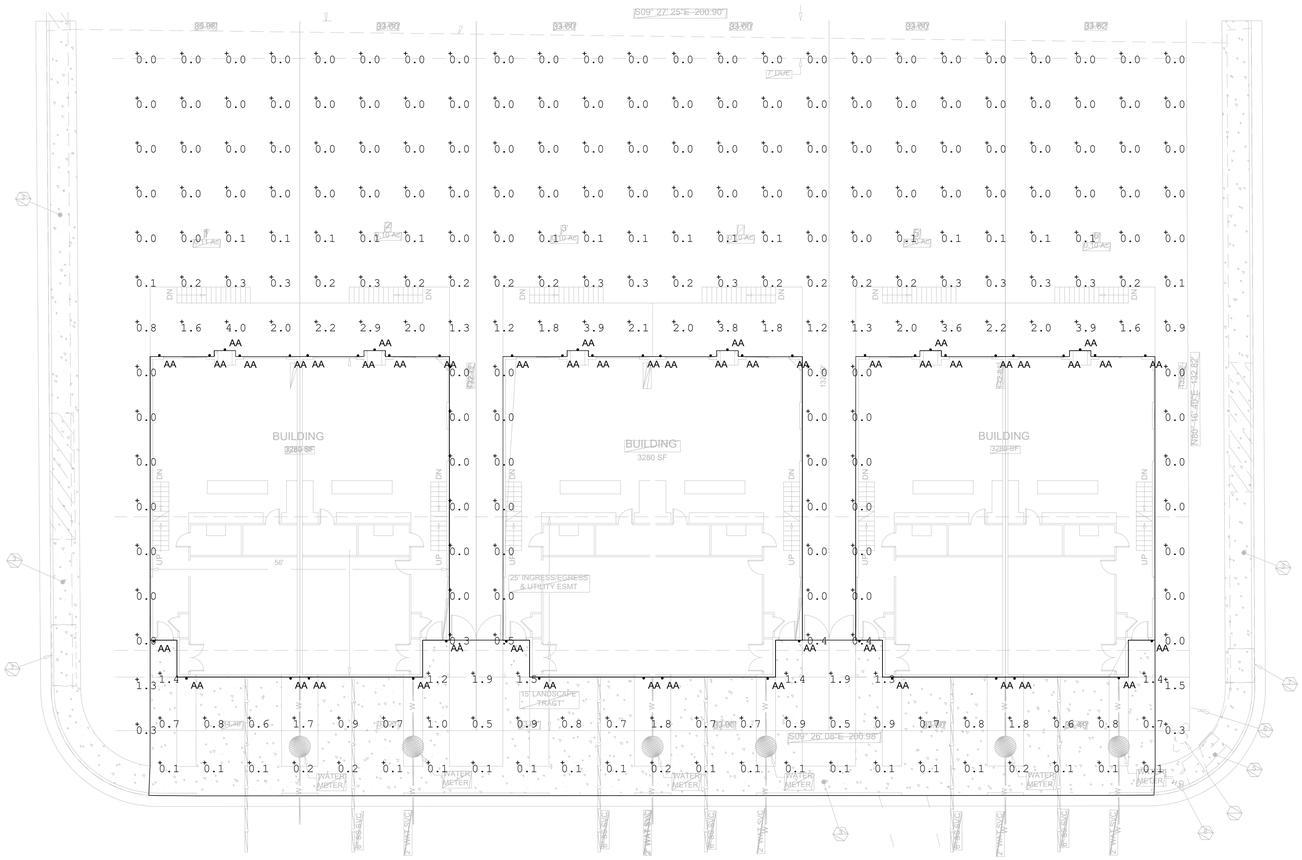
WONG STRAUCH architects

SHEET NUMBER:
8 OF 8

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET



PHOTOMETRIC SITE PLAN
SCALE: 1/16" = 1'-0"

LUMINAIRE SCHEDULE						
SYMBOL	QTY	LABEL	WATTS	LUMENS	LLF	CATALOG
	48	AA	11	1018	0.900	IOL 339BK (11W 3000K LED BULB)

CALCULATION STATISTICS			
REFLECTANCES	CALCULATION SPACING	FC CALCULATION HEIGHT	MOUNTING HEIGHT
DIRECT METHOD ONLY	10'-0" x 10'-0"	FLOOR 0'-0" A.F.G.	BALCONY 6'-0" A.F.F.
			FRONT: 7'-9" A.F.G.

CALCULATION SUMMARY						
LABEL	UNITS	AVG	MAX	MIN	AVG/MIN	MAX/MIN
OVERALL	Fc	0.30	4.0	0.0	N.A.	N.A.
SIDEWALK_Planar	Fc	0.65	1.9	0.1	6.50	19.00

CANARM

CANARM LTD. HEAD OFFICE
PO Box 367, 2157 Parkedale Avenue, Brockville, Ontario K6V5V6
Tel: 613-342-5424 | Fax: 1-800-263-4598
www.canarm.com

CANARM INC.
709 East Main Street, Teutopolis, IL USA 62467
Tel: 1-800-267-4427 | Fax: 1-800-263-4598
www.canarmusa.com

DAWN
Outdoor Light
part # IOL339BK

General
Size of fixture: 4 3/8" W x 7 1/2" H x 6 3/4" D
Finish: black
Canopy size: 6" H x 4 1/4" W
Lamping: 1 x100W A bulb (not included)
DUSK TO DAWN PHOTO CELL SWITCH
Mounting: wall

Packaging
Color box: 8.27" x 5.51" x 9.06"
Color box weight: 2.43 lbs
Master box: 17.33" x 11.82" x 10.04"
Pieces per Master box: 4
Master box weight: 10.80 lbs

Warranty & Safety Standards
Warranty - one year
cCSAus
Rated for wet locations

To maintain IDA compliance, the Lamp (bulb) used must have 3000 CCT (Correlated Color Temperature) or less

Prepared for
Contact
Date
Presented by
Remarks

WARNING: The use of this product can expose you to chemicals including Cadmium, which is known to the State of California to cause cancer, and Lead, which is known to the State of California to cause birth defects and/or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

PROVIDENCE
CONSULTING, LLC

(719) 207-2995
info@providenceconsultingservices.com
www.ProvidenceConsultingServices.com

December 5, 2024

Town of Elizabeth Board of Trustees:

Following the Planning Commission hearing on December 3, 2024, our development team had the opportunity to regroup and discuss the direction of this project. While we maintain that we submitted an application that addressed all applicable codes and criteria as directed and reviewed by Staff, we heard and understand the comments and concerns from the Planning Commission and residents regarding the building facades. We have taken this feedback into consideration and mobilized our team to come up with revisions to the exterior elevations of the buildings.

The revisions to the exterior elevations of the buildings are intended to provide for greater compatibility with the surrounding development in accordance with the comments made by the Planning Commission and citizens. The revisions to the elevations are specifically noted below.

- All stucco has been removed from the buildings, and both horizontal and vertical siding have been added.
- The parapets on the two flat roofs have been removed and replaced with gable roofs.
- Dormers have been incorporated on the north and south buildings as to add variation to the roof lines and enhance the overall aesthetic.
- Stone now runs all the way up to the newly added dormers, adding a break in the façades.
- Windows now run horizontally across the garage doors of the middle two units to add further diversity to the buildings.

We are pleased to present this updated elevation package and hope that you take these efforts into consideration.

Sincerely,

Grace Erickson

Grace K. Erickson
Providence Consulting, LLC

BANNER ATTACHED HOMES
Elizabeth, CO

WONG STRAUCH architects

BANNER ATTACHED HOMES
Elizabeth, CO

WONG STRAUCH architects

BANNER ATTACHED HOMES
Elizabeth, CO

WONG STRAUCH architects

ST-1 (STONE)

RF-1 (ROOF)

S-4 (HARDIE SIDING/ PT-10)

PT-2 (ACCENT)

S-1(HARDIE SIDING/ PT-1)

PT-3 (TRIM)

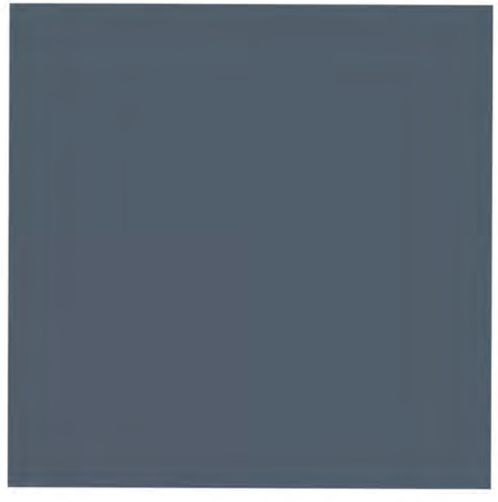
BANNER ATTACHED HOMES
ELIZABETH, CO

NORTH UNIT

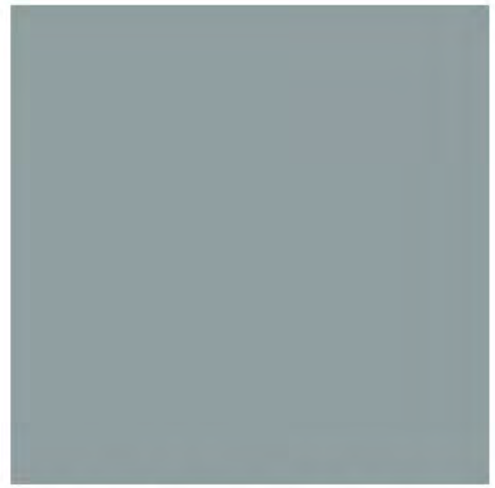
WONG STRAUCH architects

ST-2 (STONE)

RF-1 (ROOF)



PT-5 (ACCENT)



S-2(HARDIE SIDING/ PT-4)

PT-6 (TRIM)

BANNER ATTACHED HOMES
ELIZABETH, CO

MIDDLE UNIT

WONG STRAUCH architects

ST-3 (STONE)

S-5(HARDIE SIDING/ PT-11)

S-3(HARDIE SIDING/ PT-7)

RF-1 (ROOF)

PT-8 (ACCENT)

PT-9 (TRIM)

BANNER ATTACHED HOMES

ELIZABETH, CO

SOUTH UNIT

WONG STRAUCH architects

TOWN OF ELIZABETH

COMMUNITY DEVELOPMENT DEPARTMENT

LAND USE APPLICATION

DATE: 3/29/24

NAME OF PROJECT: Banner Street Paired Homes

NAME OF APPLICANT: LG Designs and Construction LLC

ADDRESS AND LEGAL DESCRIPTION OF PROJECT: 530, 540, 550, 560, 570, & 580 South Banner Street, Elizabeth CO 80107

Lots 7 - 12, Block 18, Phillips Addition to the Town of Elizabeth, County of Elbert, State of Colorado

Please check the appropriate item(s):

X REZONE	___PLAT	___USE BY SPECIAL REVIEW
___PUD (planned unit development)	___MINOR PLAT/REPLAT	___ANNEXATION
___VARIANCE	___SUBDIVISON	___MINOR SUBDIVISION
X SITE PLAN	___OTHER	

PRESENT ZONING: P-I

AREA IN ACRES: .61

PROPOSED ZONING: DT

PRESENT USE: Public parking lot

PROPOSED # OF LOTS (if applicable): n/a

PROPOSED GROSS FLOOR AREA (if applicable): 27,396

***PROPERTY OWNER**

NAME: Elizabeth School District

ADDRESS: 634 S Elbert Street
Elizabeth CO 80107

TELEPHONE #: 303-646-1836

EMAIL: dsnowberger@esdk12.org

Dan Snowberger
SIGNATURE OF OWNER

SIGNATURE OF OWNER

APPLICANT REPRESENTATIVE

NAME: LG Designs & Construction LLC (Applicant)

ADDRESS: 367 Sandy Hollow Trl
Franktown CO 80116

TELEPHONE #: (720) 425-2212

EMAIL: lgdesigns34@gmail.com

SIGNATURE OF APPLICANT

SIGNATURE OF APPLICANT

***(OWNERS SIGNATURE NEEDS TO BE NOTARIZED)**

Subscribed and sworn to be before me this 29th day of March, 2024.
My commission expires
October 11, 2027

Rebekah Brooks
Notary

PO Box 159, 151 S. Banner Street • Elizabeth, Colorado 80107 • (303) 646-4166 • Fax: (303) 646-9434 • www.townofelizabeth.org

REBEKAH BROOKS
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20114060665
MY COMMISSION EXPIRES OCTOBER 11, 2027

LG Designs & Construction LLC
367 Sandy Hollow Trail
Franktown, CO 80116

March 28, 2024

Dear Town of Elizabeth:

Please accept this zoning and site plan application for the project known as Banner Street Paired Homes. The land use application involves the rezoning of six existing lots from Public Institutional (P-I) to Downtown (DT). The application also involves the development of three, single family attached homes for a total of six units. We are pleased to be partnering with the Elizabeth School District on this development application and look forward to coordinating with the Town.

The subject property is located at the southeast corner of Banner Street and Spruce Street and addressed 530, 540, 550, 560, 570, and 580 South Banner Street. Each existing lot is roughly 4,447 square feet for a total project area of 26,682 square feet.

The subject property is zoned P-I and is proposed to be rezoned to DT. The subject property is surrounded by P-1 zoning/school to the west, DT zoning/residential to the west, and Residential 1 zoning/residential to the north and south.

The site plan proposal involves developing three sets of paired homes on the property. The land is currently being used as a public parking lot as part of the Frontier Center. The property is owned by Elizabeth School District and being developed by LG Designs & Construction LLC. The property would be purchased by LG Designs & Construction LLC only upon approval of both the zoning and site plan applications.

Public improvements include sidewalk improvements adjacent to the property up to Town of Elizabeth standards. Site improvements also include drainage and detention. Each unit will also have its own 16-foot curb cut and two, off-street, garage parking spaces.

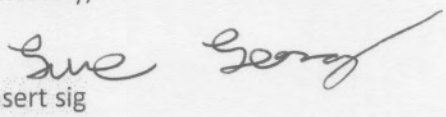
The proposed zoning of DT is compatible with the Town of Elizabeth Comprehensive Plan. The land use designation for this specific piece of property is Institutional, as the property was previously owned and utilized by the Elizabeth School District; however, the property is directly adjacent on two sides to the Mixed Use- Old Town Area land use designation of which DT zoning is compatible with. Additionally, the development of this property is specifically referenced in the Comprehensive Plan in regard to the Frontier Center facility becoming outdated and reused as a different land use in the future. As discussed during the community meeting, the money gained from the sale of this project site is intended to be reinvested back into Elizabeth School District facilities, providing public benefit. This supports the following goal in the Comprehensive Plan pertaining to school facilities: "Preserve the functional integrity of key community facilities and services within the community while enabling the facilities to operate and grow in a manner that best serves the needs of the Elizabeth community".

Site and public improvements would commence soon after project approval with construction to follow. No phasing is anticipated, as the improvements will be constructed concurrently. Proposed development would be served by Town of Elizabeth water and sewer.

Based on feedback received during the November 2023 community meeting, we have gone above and beyond the Town's standards by providing dark sky compliant lighting. We received inquiries on landscaping, and specific landscaping plans have been provided with our application. The desire for fencing was also noted during the meeting, and a 5-foot, cedar fence is proposed around the property.

We believe that the application meets all applicable Town of Elizabeth criteria and standards. The development of this property will support the Elizabeth School District as well as the Town's overall tax base. We appreciate your thoughtful review and consideration of approval of our application.

Sincerely,



Insert sig

Lane Gregory
LG Designs & Construction, LLC
(720) 425-2212

Fidelity National Title

19751 E Mainstreet, Suite R14
Parker, CO 80138
Phone: (303)841-6982 / Fax: (303)633-1970

Date:	March 28, 2024
File No.:	153-F09805-23, Amendment No. 3
Buyer(s)/Borrower(s):	Denise Blodig
Owner(s):	Elizabeth School District, successor in interest to The Elizabeth Consolidated School District No. 1 aka Consolidated School District No. 1
Property:	530 South Banner Street, Elizabeth, CO 80107 540 South Banner Street, Elizabeth, CO 80107 550 South Banner Street, Elizabeth, CO 80107 560 South Banner Street, Elizabeth, CO 80107 570 South Banner Street, Elizabeth, CO 80107 580 South Banner Street, Elizabeth, CO 80107
Assessor Parcel No.:	r125040 and 8418119003

PLEASE TAKE NOTE OF THE FOLLOWING REVISED TERMS CONTAINED HEREIN:

Updated Effective Date

Click here for Tax Cert

WIRED FUNDS ARE REQUIRED ON ALL CASH PURCHASE TRANSACTIONS. FOR WIRING INSTRUCTIONS, PLEASE CONTACT YOUR ESCROW OFFICE AS NOTED ON THE TRANSMITTAL PAGE OF THIS COMMITMENT.

To: Fidelity National Title Company
19751 E Mainstreet
Suite R14
Parker, CO 80138

Attn: Kerry Maar
Phone: 720-529-5088
Fax: 303-633-1982
Email: kmaar@fnf.com
Attn: Yvonne Childs
Phone: 303-349-0798
Fax:
Email: Yvonne.Childs@fnf.com
Attn: Maddy Argello
Phone: 303-889-8225
Fax:
Email: Maddy.Arguello@fnf.com

To: Denise Blodig — sent via email

To: Elizabeth School District, successor in interest to The Elizabeth Consolidated School District No. 1 aka Consolidated School District No. 1

Attn: Rhonda Olsen
Dan Snowberger
sent via email

To: JTS Realty
19600 E. Parker Square Dr.
Ste. 215
Parker, CO 80134

Attn: Lane Gregory
Phone: 303-993-6436
Fax: 888-519-5575
Email: lane@jtsrealty.com

To: LB Transaction Coordinator Placeholder

To: JTS Realty
19600 E. Parker Square Dr.
Ste. 215
Parker, CO 80134

Attn: Lane Gregory
Phone: 303-993-6436
Fax: 888-519-5575
Email: lanerealty1@gmail.com

To: SB Transaction Coordinator Placeholder

END OF TRANSMITTAL

ALTA COMMITMENT FOR TITLE INSURANCE

issued by:

Fidelity National Title Insurance Company

Commitment Number:

153-F09805-23
Amendment 3

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, Fidelity National Title Insurance Company, a Florida 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 one hundred eighty (180) days after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

Fidelity National Title Insurance Company

By:

Michael J. Nolan, President

Attest:

Marjorie Nemzura, Secretary

Countersigned By:

Joseph A. Belongia
Authorized Officer or Agent

This page is only a part of a 2021 ALTA® Commitment for Title Insurance issued by Fidelity National Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I-Requirements; 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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Transaction Identification Data, for which the Company assumes no liability as set forth in Commitment Condition 5.e.:

ISSUING OFFICE:	FOR SETTLEMENT INQUIRIES, CONTACT:
Fidelity National Title Company 19751 E Mainstreet, Suite R14 Parker, CO 80138 Main Phone: (303)841-6982 Email: FNTCParker@fnf.com	Escrow Officer: Kerry Maar Fidelity National Title Company 19751 E Mainstreet, Suite R14 Parker, CO 80138 Phone: 720-529-5088 Main Phone: (303)841-6982 Main Fax: (303)633-1970 Email: kmaar@fnf.com

Order Number: **153-F09805-23**

Property Address: **530 South Banner Street, Elizabeth, CO 80107**
540 South Banner Street, Elizabeth, CO 80107
550 South Banner Street, Elizabeth, CO 80107
560 South Banner Street, Elizabeth, CO 80107
570 South Banner Street, Elizabeth, CO 80107
580 South Banner Street, Elizabeth, CO 80107

SCHEDULE A

1. Commitment Date: March 19, 2024 at 08:00 AM
2. Policy to be issued:
   (a) ALTA Owner's Policy 2021
   Proposed Insured: Denise Blodig
   Proposed Amount of Insurance: $250,000.00
3. The estate or interest in the Land at the Commitment Date is:
   Fee Simple
4. The Title is, at the Commitment Date, vested in:
   Elizabeth School District, successor in interest to The Elizabeth Consolidated School District No. 1 aka Consolidated School District No. 1
5. The Land is described as follows:
   SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF

PREMIUMS:

Owner's Policy Premium	$1536.00
CO 110.1-06	$95.00
Tax Certificate	$27.00

END OF SCHEDULE A

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EXHIBIT "A"

Legal Description

Lots 7, 8, 9, 10, 11 and 12, Block 18, Phillips Addition to the Town of Elizabeth, County of Elbert, State of Colorado.

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SCHEDULE B, PART I - Requirements

All of the following Requirements must be met:

1. Pay the agreed amounts for the interest in the land and/or for the mortgage to be insured.

2. Pay us the premiums, fees and charges for the policy.

3. Obtain a certificate of taxes due from the county treasurer or the county treasurer's authorized agent.

4. Evidence that any and all assessments for common expenses, if any, have been paid.

5. The Company will require that an Affidavit and Indemnity Agreement be completed by the party(s) named below before the issuance of any policy of title insurance.

   Party(s): Elizabeth School District, successor in interest to The Elizabeth Consolidated School District No. 1 aka Consolidated School District No. 1

   The Company reserves the right to add additional items or make further requirements after review of the requested Affidavit.

6. Deed sufficient to convey the fee simple estate or interest in the Land described or referred to herein, to the Proposed Insured Purchaser.

7. The search did not disclose any open mortgages or deeds of trust of record, therefore the Company reserves the right to require further evidence to confirm that the property is unencumbered, and further reserves the right to make additional requirements or add additional items or exceptions upon receipt of the requested evidence.

8. An affidavit from the seller(s) must be furnished to the Company stating that no improvements have been made on the Land the subject of this transaction or adjacent thereto subsequent to the Land Title Survey completed by David E. Archer, job no. 21-2541 on December 17, 2021.

9. Furnish to the Company a certified copy of Resolution of governing board of Elizabeth School District authorizing the execution of necessary documents and stating who is authorized to sign said documents. Said Resolution must be properly certified by an Officer of the corporation with Corporate Seal affixed.

10. Recordation of Statement of Authority for Elizabeth School District pursuant to Colorado Revised Statutes evidencing the existence of the entity and authority of the person(s) authorized to execute and deliver instruments affecting title to real property on behalf of the entity and containing other information required by Colorado Revised Statutes.

    NOTE: Exception number 5 will be removed from the Owner's and/or Lender's Policy provided the Company conducts the closing.

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SCHEDULE B, PART I - Requirements
(continued)

NOTE: Please be aware that due to the conflict between federal and state laws concerning the cultivation, distribution, manufacture or sale of marijuana, the Company is not able to close or insure any transaction involving Land that is associated with these activities.

NOTE: Effective May 24th, 2023, the Company and its policy issuing agents are required by Federal law to collect additional information about certain transactions in specified geographic areas in accordance with the Bank Secrecy Act. If this transaction is required to be reported under a Geographic Targeting Order issued by FinCEN, the Company or its policy issuing agent must be supplied with a completed ALTA Information Collection Form ("ICF") prior to closing the transaction contemplated herein. This affects the following counties, Adams, Arapahoe, Clear Creek, Denver, Douglas, Eagle, Elbert, El Paso, Fremont, Jefferson, Mesa, Pitkin, Pueblo, and Summit.

NOTE: Endorsement Form 110.1, deleting exception(s) 1-4 will be issued with the Owner's Policy, subject to satisfaction of requirements and as applicable.

24 MONTH CHAIN OF TITLE, FOR INFORMATIONAL PURPOSES ONLY:

The following vesting deeds relating to the subject property have been recorded in the Clerk and Recorder’s office of the County in which the property is located:

There are no conveyances affecting said land recorded within 24 months of the date of this report

Plat Map

END OF SCHEDULE B, PART I

This page is only a part of a 2021 ALTA® Commitment for Title Insurance issued by Fidelity National Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I-Requirements; 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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SCHEDULE B, PART II - Exceptions

Some historical land records contain Discriminatory Covenants that are illegal and unenforceable by law. This Commitment and the Policy treat any Discriminatory Covenant in a document referenced in Schedule B as if each Discriminatory Covenant is redacted, repudiated, removed, and not republished or recirculated. Only the remaining provisions of the document will be excepted from coverage.

The Policy will not insure against loss or damage resulting from the terms and conditions of any lease or easement identified in Schedule A, and will include the following Exceptions unless cleared to the satisfaction of the Company:

1. Any facts, rights, interests or claims that are not shown by the Public Records but which could be ascertained by an inspection of the Land or that may be asserted by persons in possession of the Land.

2. Easements, liens or encumbrances, or claims thereof, not shown by the Public Records.

3. Any encroachments, encumbrances, violation, variation, or adverse circumstance affecting the Title that would be disclosed by an accurate and complete land survey of the Land and not shown by 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 the value the estate or interest or mortgage thereon covered by this Commitment.

   NOTE: Upon satisfaction of all requirements herein, the above exception will not be reflected on any proposed title policy identified in Schedule A.

6. Water rights, claims of title to water, whether or not these matters are shown by the Public Records.

7. All taxes and assessments, now or heretofore assessed, due or payable.

   NOTE: This tax exception will be amended at policy upon satisfaction and evidence of payment of taxes.

8. Terms, conditions, restrictions, provisions, notes and easements but omitting any covenants or restrictions, if any, including but not limited to those based upon race, color, religion, sex, sexual orientation, familial status, marital status, disability, handicap, national origin, ancestry, or source of income, as set forth in applicable state or federal laws, except to the extent that said covenant or restriction is permitted by applicable law, as set forth on the Plat(s) of said subdivision set forth below:

   Recording Date: March 5, 1889
   Recording No: Plat Book 2 at Page 37

9. Any rights, interests, or claims which may exist or arise by reason of the following matters disclosed by ALTA /NSPS Land Title Survey completed by David E. Archer & Associates, job no, 21-2541 on December 17, 2021.

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SCHEDULE B, PART II - Exceptions
(continued)

END OF SCHEDULE B, PART II

This page is only a part of a 2021 ALTA® Commitment for Title Insurance issued by Fidelity National Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I-Requirements; 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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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.

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;

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.

This page is only a part of a 2021 ALTA® Commitment for Title Insurance issued by Fidelity National Title Insurance Company. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I-Requirements; 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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(continued)

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.

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 Two Million And No/100 Dollars ($2,000,000.00) 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.

END OF CONDITIONS

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DISCLOSURE STATEMENT

- Pursuant to Section 38-35-125 of Colorado Revised Statutes and Colorado Division of Insurance Regulation 8-1-2 (Section 5), if the parties to the subject transaction request us to provide escrow-settlement and disbursement services to facilitate the closing of the transaction, then all funds submitted for disbursement must be available for immediate withdrawal.
- Colorado Division of Insurance Regulation 8-1-2, Section 5, Paragraph H, requires 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 owners policy of title insurance and is responsible for the recording and filing of legal documents resulting from the transaction which was closed". Provided that Fidelity National Title Company conducts the closing of the insured transaction and is responsible for recording the legal documents from the transaction, exception No. 5 in Schedule B-2 will not appear in the Owner's Title Policy and Lender's Title Policy when issued.
- Colorado Division of Insurance Regulation 8-1-2, Paragraph M of Section 5, requires that prospective insured(s) of a single family residence be notified in writing that the standard exception from coverage for unfiled Mechanics or Materialmans Liens may or may not be deleted upon the satisfaction of the requirement(s) pertinent to the transaction. These requirements will be addressed upon receipt of a written request to provide said coverage, or if the Purchase and Sale Agreement/Contract is provided to the Company then the necessary requirements will be reflected on the commitment.
- Colorado Division of Insurance Regulation 8-1-3, Paragraph C. 11.f. of Section 5 - requires a title insurance company to make the following notice to the consumer: “A closing protection letter is available to be issued to lenders, buyers and sellers.”
- If the sales price of the subject property exceeds $100,000.00 the seller shall be required to comply with the Disclosure of Withholding Provisions of C.R.S. 39-22-604.5 (Nonresident Withholding).
- Section 39-14-102 of Colorado Revised Statutes 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.
- Recording statutes contained in Section 30-10-406(3)(a) of the Colorado Revised Statutes require 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 a document that does not conform to requirements of this paragraph.
- Section 38-35-109 (2) of the Colorado Revised Statutes, requires that a notation of the purchasers legal address, (not necessarily the same as the property address) be included on the face of the deed to be recorded.
- Regulations of County Clerk and Recorder's offices require that all documents submitted for recording must contain a return address on the front page of every document being recorded.
- Pursuant to Section 10-11-122 of the Colorado Revised Statutes, the Company is required to disclose the following information:
    - The subject property may be located in a special taxing district.

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- A Certificate of Taxes Due listing each taxing jurisdiction shall be obtained from the County Treasurer or the County Treasurer's authorized agent.
- 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.

- Pursuant to Section 10-11-123 of the Colorado Revised Statutes, when it is determined that a mineral estate has been severed from the surface estate, the Company is required to disclose the following information: that 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 that such mineral estate may include the right to enter and use the property without the surface owner's permission.

Note: Notwithstanding anything to the contrary in this Commitment, if the policy to be issued is other than an ALTA Owner's Policy (6/17/06), the policy may not contain an arbitration clause, or the terms of the arbitration clause may be different from those set forth in this Commitment. If the policy does contain an arbitration clause, and the Amount of Insurance is less than the amount, if any, set forth in the arbitration clause, all arbitrable matters shall be arbitrated at the option of either the Company or the Insured as the exclusive remedy of the parties.

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WIRE FRAUD ALERT

This Notice is not intended to provide legal or professional advice.
If you have any questions, please consult with a lawyer.

All parties to a real estate transaction are targets for wire fraud and many have lost hundreds of thousands of dollars because they simply relied on the wire instructions received via email, without further verification. **If funds are to be wired in conjunction with this real estate transaction, we strongly recommend verbal verification of wire instructions through a known, trusted phone number prior to sending funds.**

In addition, the following non-exclusive self-protection strategies are recommended to minimize exposure to possible wire fraud.

- **NEVER RELY** on emails purporting to change wire instructions. Parties to a transaction rarely change wire instructions in the course of a transaction.
- **ALWAYS VERIFY** wire instructions, specifically the ABA routing number and account number, by calling the party who sent the instructions to you. DO NOT use the phone number provided in the email containing the instructions, use phone numbers you have called before or can otherwise verify. **Obtain the number of relevant parties to the transaction as soon as an escrow account is opened.** DO NOT send an email to verify as the email address may be incorrect or the email may be intercepted by the fraudster.
- **USE COMPLEX EMAIL PASSWORDS** that employ a combination of mixed case, numbers, and symbols. Make your passwords greater than eight (8) characters. Also, change your password often and do NOT reuse the same password for other online accounts.
- **USE MULTI-FACTOR AUTHENTICATION** for email accounts. Your email provider or IT staff may have specific instructions on how to implement this feature.

For more information on wire-fraud scams or to report an incident, please refer to the following links:

Federal Bureau of Investigation:
http://www.fbi.gov

Internet Crime Complaint Center:
http://www.ic3.gov

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FIDELITY NATIONAL FINANCIAL
PRIVACY NOTICE

Effective December 1, 2023

Fidelity National Financial, Inc. and its majority-owned subsidiary companies (collectively, "FNF," "our," or "we") respect and are committed to protecting your privacy. This Privacy Notice explains how we collect, use, and protect personal information, when and to whom we disclose such information, and the choices you have about the use and disclosure of that information.

A limited number of FNF subsidiaries have their own privacy notices. If a subsidiary has its own privacy notice, the privacy notice will be available on the subsidiary's website and this Privacy Notice does not apply.

Collection of Personal Information

FNF may collect the following categories of Personal Information:

- contact information (*e.g.*, name, address, phone number, email address);
- demographic information (*e.g.*, date of birth, gender, marital status);
- identity information (*e.g.* Social Security Number, driver's license, passport, or other government ID number);
- financial account information (*e.g.* loan or bank account information); and
- other personal information necessary to provide products or services to you.

We may collect Personal Information about you from:

- information we receive from you or your agent;
- information about your transactions with FNF, our affiliates, or others; and
- information we receive from consumer reporting agencies and/or governmental entities, either directly from these entities or through others.

Collection of Browsing Information

FNF automatically collects the following types of Browsing Information when you access an FNF website, online service, or application (each an "FNF Website") from your Internet browser, computer, and/or device:

- Internet Protocol (IP) address and operating system;
- browser version, language, and type;
- domain name system requests; and
- browsing history on the FNF Website, such as date and time of your visit to the FNF Website and visits to the pages within the FNF Website.

Like most websites, our servers automatically log each visitor to the FNF Website and may collect the Browsing Information described above. We use Browsing Information for system administration, troubleshooting, fraud investigation, and to improve our websites. Browsing Information generally does not reveal anything personal about you, though if you have created a user account for an FNF Website and are logged into that account, the FNF Website may be able to link certain browsing activity to your user account.

Other Online Specifics

Cookies. When you visit an FNF Website, a "cookie" may be sent to your computer. A cookie is a small piece of data that is sent to your Internet browser from a web server and stored on your computer's hard drive. Information gathered using cookies helps us improve your user experience. For example, a cookie can help the website load properly or can customize the display page based on your browser type and user preferences. You can choose whether or not to accept cookies by changing your Internet browser settings. Be aware that doing so may impair or limit some functionality of the FNF Website.

Web Beacons. We use web beacons to determine when and how many times a page has been viewed. This information is used to improve our websites.

Do Not Track. Currently our FNF Websites do not respond to "Do Not Track" features enabled through your browser.

Links to Other Sites. FNF Websites may contain links to unaffiliated third-party websites. FNF is not responsible for the privacy practices or content of those websites. We recommend that you read the privacy policy of every website you visit.

Use of Personal Information

FNF uses Personal Information for these main purposes:

- To provide products and services to you or in connection with a transaction involving you.
- To improve our products and services.

- To communicate with you about our, our affiliates', and others' products and services, jointly or independently.
- To provide reviews and testimonials about our services, with your consent.

When Information Is Disclosed

We may disclose your Personal Information and Browsing Information in the following circumstances:

- to enable us to detect or prevent criminal activity, fraud, material misrepresentation, or nondisclosure;
- to affiliated or nonaffiliated service providers who provide or perform services or functions on our behalf and who agree to use the information only to provide such services or functions;
- to affiliated or nonaffiliated third parties with whom we perform joint marketing, pursuant to an agreement with them to jointly market financial products or services to you;
- to law enforcement or authorities in connection with an investigation, or in response to a subpoena or court order; or
- in the good-faith belief that such disclosure is necessary to comply with legal process or applicable laws, or to protect the rights, property, or safety of FNF, its customers, or the public.

The law does not require your prior authorization and does not allow you to restrict the disclosures described above. Additionally, we may disclose your information to third parties for whom you have given us authorization or consent to make such disclosure. We do not otherwise share your Personal Information or Browsing Information with nonaffiliated third parties, except as required or permitted by law.

We reserve the right to transfer your Personal Information, Browsing Information, and any other information, in connection with the sale or other disposition of all or part of the FNF business and/or assets, or in the event of bankruptcy, reorganization, insolvency, receivership, or an assignment for the benefit of creditors. By submitting Personal Information and/or Browsing Information to FNF, you expressly agree and consent to the use and/or transfer of the foregoing information in connection with any of the above described proceedings.

Security of Your Information

We maintain physical, electronic, and procedural safeguards to protect your Personal Information.

Choices With Your Information

Whether you submit Personal Information or Browsing Information to FNF is entirely up to you. If you decide not to submit Personal Information or Browsing Information, FNF may not be able to provide certain services or products to you.

For California Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties, except as permitted by California law. For additional information about your California privacy rights, please visit the "California Privacy" link on our website (https://fnf.com/pages/californiaprivacy.aspx) or call (888) 413-1748.

For Connecticut Residents: For additional information about your Connecticut consumer privacy rights, or to make a consumer privacy request, or to appeal a previous privacy request, please email privacy@fnf.com or call (888) 714-2710.

For Colorado Residents: For additional information about your Colorado consumer privacy rights, or to make a consumer privacy request, or appeal a previous privacy request, please email privacy@fnf.com or call (888) 714-2710.

For Nevada Residents: We are providing this notice pursuant to state law. You may be placed on our internal Do Not Call List by calling FNF Privacy at (888) 714-2710 or by contacting us via the information set forth at the end of this Privacy Notice. For further information concerning Nevada's telephone solicitation law, you may contact: Bureau of Consumer Protection, Office of the Nevada Attorney General, 555 E. Washington St., Suite 3900, Las Vegas, NV 89101; Phone number: (702) 486-3132; email: aginquiries@ag.state.nv.us.

For Oregon Residents: We will not share your Personal Information or Browsing Information with nonaffiliated third parties for marketing purposes, except after you have been informed by us of such sharing and had an opportunity to indicate that you do not want a disclosure made for marketing purposes.

For Utah Residents: For additional information about your Utah consumer privacy rights, or to make a consumer privacy request, please call (888) 714-2710.

For Vermont Residents: We will not disclose information about your creditworthiness to our affiliates and will not disclose your personal information, financial information, credit report, or health information to nonaffiliated third parties to market to you, other than as permitted by Vermont law, unless you authorize us to make those disclosures.

For Virginia Residents: For additional information about your Virginia consumer privacy rights, or to make a consumer privacy request, or appeal a previous privacy request, please email privacy@fnf.com or call (888) 714-2710.

Information From Children

The FNF Websites are not intended or designed to attract persons under the age of eighteen (18). We do not collect Personal Information from any person that we know to be under the age of thirteen (13) without permission from a parent or guardian.

International Users

FNF's headquarters is located within the United States. If you reside outside the United States and choose to provide Personal Information or Browsing Information to us, please note that we may transfer that information outside of your country of residence. By providing FNF with your Personal Information and/or Browsing Information, you consent to our collection, transfer, and use of such information in accordance with this Privacy Notice.

FNF Website Services for Mortgage Loans

Certain FNF companies provide services to mortgage loan servicers, including hosting websites that collect customer information on behalf of mortgage loan servicers (the "Service Websites"). The Service Websites may contain links to both this Privacy Notice and the mortgage loan servicer or lender's privacy notice. The sections of this Privacy Notice titled When Information is Disclosed, Choices with Your Information, and Accessing and Correcting Information do not apply to the Service Websites. The mortgage loan servicer or lender's privacy notice governs use, disclosure, and access to your Personal Information. FNF does not share Personal Information collected through the Service Websites, except as required or authorized by contract with the mortgage loan servicer or lender, or as required by law or in the good-faith belief that such disclosure is necessary: to comply with a legal process or applicable law, to enforce this Privacy Notice, or to protect the rights, property, or safety of FNF or the public.

Your Consent To This Privacy Notice; Notice Changes

By submitting Personal Information and/or Browsing Information to FNF, you consent to the collection and use of the information in accordance with this Privacy Notice. We may change this Privacy Notice at any time. The Privacy Notice's effective date will show the last date changes were made. If you provide information to us following any change of the Privacy Notice, that signifies your assent to and acceptance of the changes to the Privacy Notice.

Accessing and Correcting Information; Contact Us

If you have questions or would like to correct your Personal Information, visit FNF's Privacy Inquiry Website or contact us by phone at (888) 714-2710, by email at privacy@fnf.com, or by mail to:

Fidelity National Financial, Inc.
601 Riverside Avenue,
Jacksonville, Florida 32204
Attn: Chief Privacy Officer

Disclosure Letter

Property Owner: Elizabeth School District
Business Name: Elizabeth School District
Address: 634 South Elbert Street
City, State, Zip: Elizabeth CO 80107

To: Town of Elizabeth, Community Development Department
RE: Address or Lot and Block # 530, 540, 550, 560, 570, & 580 S Banner Street
Town of Elizabeth, CO 80107

To whom it may concern;

This letter shall serve to authorize LG Designs & Construction LLC to serve as our representative through the site plan development process with the Town of Elizabeth for our project named Banner Street Paired Homes located at 530, 540, 550, 560, 570, & 580 S Banner Street.

Sincerely,

Dan Snowberger

Signature

Printed name Dan Snowberger
Printed Business Name Elizabeth School District
Date 03/25/24

STATE DOCUMENTARY FEE
Date JUN 17 1992
$ EX

Reception No. 303002 Date 457 Page 514
Elbert County Recorder
Doreen Mehlen 9:32 A JUN 17 1992

QUIT CLAIM DEED

THIS DEED, made this 5th day of June, 1992 between

of the Elbert County School District C-1 grantor (s), and Town of Elizabeth, STATE of COLORADO, A Colorado Municipal Corporation whose legal address is 321 South Banner of the County of Elbert and State of Colorado, grantee (s)

WITNESSETH, That the grantor (s), for and in consideration of the sum of Ten dollars and other valuable consideration

the receipt and sufficiency of which is hereby acknowledged, have remised, released, sold, conveyed and QUIT CLAIMED, and by these presents do remise, release, sell, convey and QUIT CLAIM unto the grantee (s), heirs, successors and assigns, forever, all the right, title, interest, claim, and demand which the grantor(s) have in and to the real property, together with improvements, if any, situate, lying and being in the County of Elbert and State of Colorado, described as follows:

that certain property described as, that portion of Banner Street lying between Block 18, Phillips Addition of the Town of Elizabeth and Block 22, Phillips Addition of the Town of Elizabeth; also described as beginning at the northwest corner of Lot 3, Block 18 Phillips Addition of the Town of Elizabeth, thence west 60.0 feet, thence south 198.0 feet, thence east 60.0 feet, thence north 198.0 feet to the place of beginning; also as described that portion of Banner Street deserибed in Book 260 Page 24 in the records of the County Clerk of Elbert County.

TO HAVE AND TO HOLD the same, together with all and singular the appurtenances and privileges thereunto belonging or in anywise thereunto appertaining, and all the estate, right, title, interest and claim whatsoever, of the grantor(s), either in law or equity, to the only proper use, benefit and behoof of the grantee (s), heirs and assigns forever.

IN WITNESS WHEREOF, The grantor (s) have executed this deed on the date set fourth above.

William E. Hutto
BOARD PRESIDENT

Attest: Janice Lakebert
BOARD SECRETARY

STATE OF COLORADO)
)
County of)

The foregoing instrument was acknowledged before me this 10th day of June 1992, by Elizabeth School C-1 Board of Education

Witness my hand and official seal.

My commission expires March 30, 1996

Notary Public

BANNER PAIRED HOMES

CONSTRUCTION PLANS

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH
LOCATED IN THE NE 1/4 OF SECTION 18, T 8 S, R 64 W, OF THE 6TH P.M.
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO

LINETYPE LEGEND

PROPOSED		EXISTING
	AASHTO SIGHT TRIANGLE	
	ACCESSIBLE ROUTE	
CATV	CABLE TV	CATV
	CENTERLINE OF ROAD	
5280	CONTOUR - MAJOR	5280
5279	CONTOUR - MINOR	5279
	DRAINAGE SWALE	
E	ELECTRIC - UNDERGROUND	E
	EXPOSED FOUNDATION	
X	FENCE - BARBED WIRE	X
	FENCE - CHAIN LINK	
	FENCE - WOOD POST	
FO	FIBER OPTIC LINE	FO
F	FIRE SERVICE	F
G	GAS LINE	G
	GUARDRAIL	
	HANDRAIL	
IRR	IRRIGATION	IRR
OH	OVERHEAD POWER	OH
	PROPERTY BOUNDARY	
	RETAINING WALL	
	RIGHT-OF-WAY LINE	
RD	ROOF DRAIN	
	SANITARY SEWER	
	STEM WALL	
	STORM SEWER	
T	TELEPHONE	T
SD	UNDERDRAIN	SD
W	WATER LINE	W

SYMBOLS LEGEND

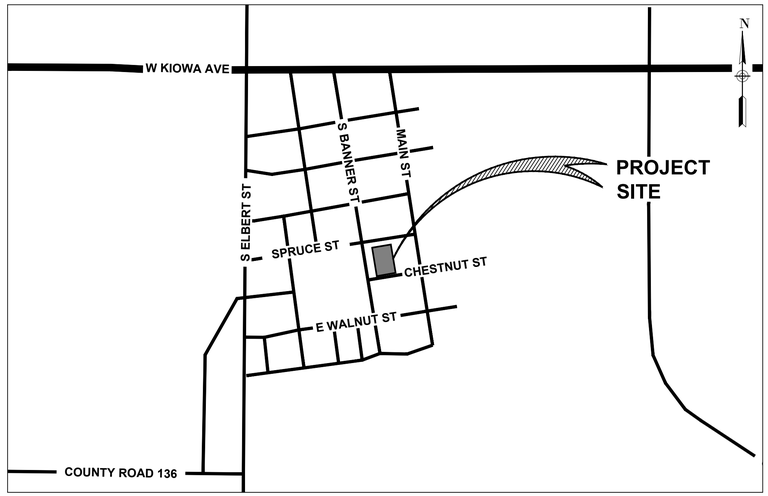
	CLEANOUT
	CROSSWALK
	CURB STOP/ CORP STOP
	DOOR
EM	ELECTRIC METER
	FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT
GM	GAS METER
	GATE VALVE
	LIGHT POLE
##	PARKING COUNT PER ROW
##	PARKING COUNT TOTAL
PM	PARKING METER
RD	ROOF DRAIN
S	SANITARY MANHOLE
	SIGHT DISTANCE TRIANGLE
2.0%	SLOPE
80.00	SPOT ELEVATION
	STORM INLET
D	STORM MANHOLE
	STREET SIGN
T	TRANSFORMER
	UTILITY POLE
	WATER METER

HATCHING LEGEND

ACCESSIBLE RAMP
CONCRETE PAVING
RIPRAP / GRAVEL
SIDEWALK CHASE
TRUNCATED DOMES

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

CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.



VICINITY MAP

SCALE 1" = 500'

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ABBREVIATIONS:

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICE
AC	AIR CONDITIONING UNIT
AE	ACCESS EASEMENT
APPR	APPURTENANCE
ASPH	ASPHALT
BLDG	BUILDING
BMP	BEST MANAGEMENT PRACTICE
BOP	BOTTOM OF PIPE
BOR	BOTTOM OF RAMP
BOS	BOTTOM OF STAIR
BOW	BACK OF WALK
BW	BOTTOM OF WALL (FG @ WALL FACE)
CAE	CROSS ACCESS EASEMENT
CL	CENTERLINE
CO	CLEANOUT
CON	CONCENTRIC
CONC	CONCRETE
COR	CORNER
DE	DRAINAGE EASEMENT
DI	DUCTILE IRON
DIA	DIAMETER
EAE	EMERGENCY ACCESS EASEMENT
ECC	ECCENTRIC
EG	EXISTING GRADE
EL	ELEVATION
ELEC	ELECTRIC
EM	ELECTRIC METER
ENCL	ENCLOSURE
EOA	EDGE OF ASPHALT
EOC	EDGE OF CONCRETE
EOP	EDGE OF PAN
EOW	EDGE OF WALK
ESMT	EASEMENT
EX	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FES	FLARED END SECTION
FF	FINISH FLOOR
FH	FIRE HYDRANT
FG	FINISH GRADE
FL	FLOWLINE
FO	FIBER OPTIC
FT	FEET
GB	GRADE BREAK
GM	GAS METER
GR	GRATE
GRVL	GRAVEL
GS	GARAGE SLAB
GV	GATE VALVE
HC	HANDICAP
HOR	HORIZONTAL
HP	HIGH POINT
IN	INCHES OR INLET
INT	INTERSECTION
INV	INVERT
LIP	LIP OF PAN
LP	LOW POINT
LS	LANDSCAPE
MAX	MAXIMUM
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM
NTS	NOT TO SCALE
OC	ON CENTER
PC	POINT OF CURVATURE
PCR	POINT OF CURB RETURN
PED	PEDESTAL
PL	PROPERTY LINE
PP	POWER POLE
PR	PROPOSED
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
RE	REFERENCE
RET	RETAINING
REV	REVISION
ROW	RIGHT-OF-WAY
SS	SANITARY SEWER
ST	STORM
STD	STANDARD
SV	SERVICE
SWL	SWALE
SWLK	SIDEWALK
TBC	TOP BACK OF CURB
TELE	TELEPHONE / COMMUNICATIONS
TOB	TOP OF BANK
TOF	TOP OF FOUNDATION
TOP	TOP OF PIPE
TOR	TOP OF RAMP
TOS	TOP OF STAIR
TW	TOP OF WALL
TYP	TYPICAL
UE	UTILITY EASEMENT
UTIL	UTILITY
VB	VERTICAL BEND
VC&G	VERTICAL CURB & GUTTER
VLT	VAULT
VERT	VERTICAL
WAT	WATER
WM	WATER METER

LEGAL:

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO.
ACCORDING TO THE PLAT THEREOF FILED IN THE OFFICE OF THE CLERK AND RECORDER FOR ELBERT COUNTY, IN BOOK 2, PAGE 37

BENCHMARK:

88 DATUM BASED UPON GPS OBSERVATION.
LS 31548 BRASS CAP LOCATED AT NW CORNER OF SITE.
EL = 6499.2

BASIS OF BEARINGS:

BASIS OF BEARINGS THE WEST LINE OF THE NORTHEAST 1/4 SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST OF THE SIXTH PRINCIPAL MERIDIAN
S 00°10'33" E 2852.75'

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 ADMINISTRATION DATE

BY _____
ELIZABETH FIRE DEPARTMENT DATE

ROTH LANG ENGINEERING GROUP LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
COVER SHEET

PREPARED FOR:
LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

COLORADO REGISTERED KEVIN S. ROTH 35704 09/19/24 PROFESSIONAL ENGINEER

SHEET NUMBER:
C0.00

Plotted by: David Terron Date: 9/16/2024 9:23 AM
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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 THE RESPECTIVE 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.

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.

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

CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

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.

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.
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.

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
NOTES

PREPARED FOR:
LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

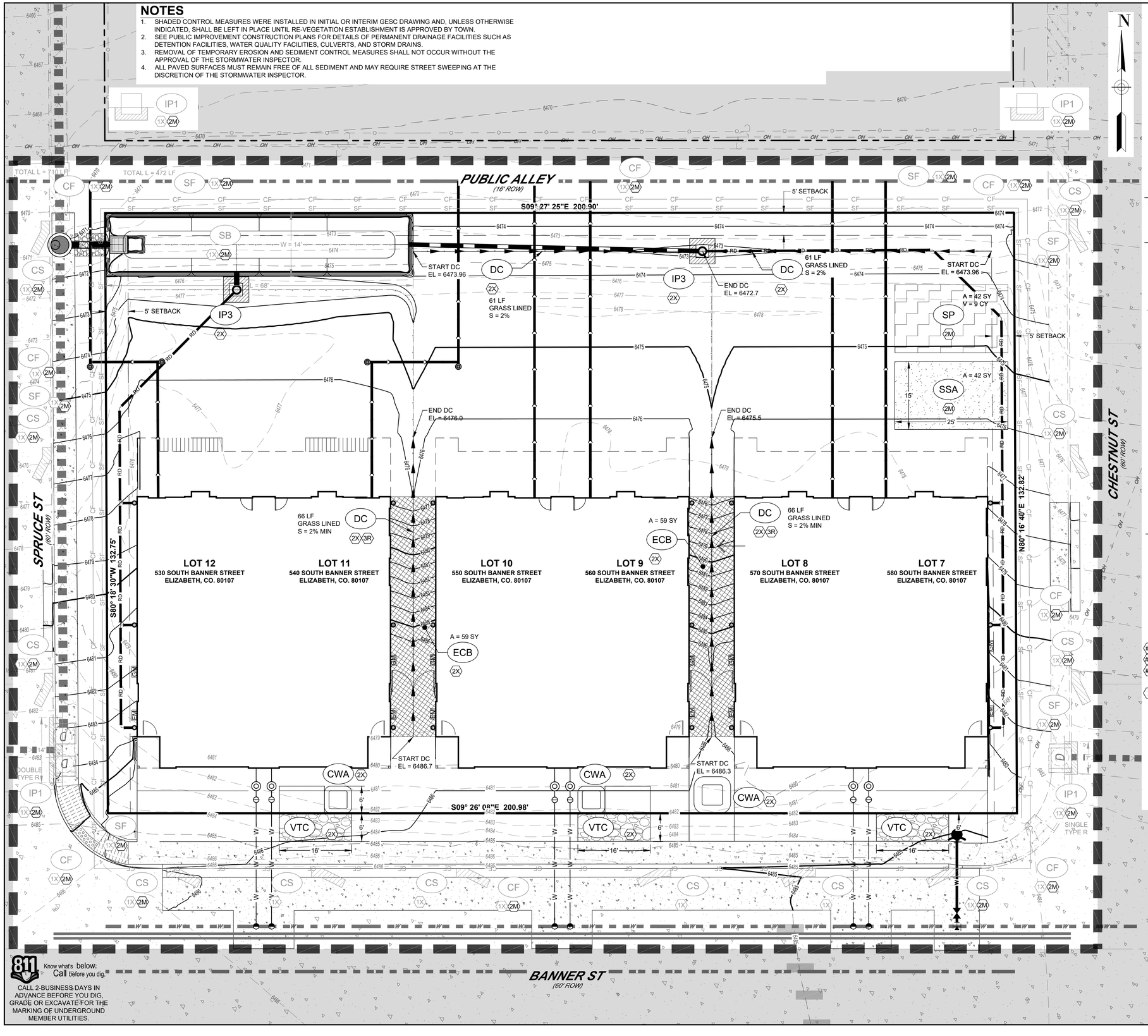
DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

SHEET NUMBER:
C0.01

Plotted by: David Terron Date: 9/16/2024 9:24 AM
File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C0.01 - NOTES.dwg

NOTES

1. SHADED CONTROL MEASURES WERE INSTALLED IN INITIAL OR INTERIM GESC DRAWING AND, UNLESS OTHERWISE INDICATED, SHALL BE LEFT IN PLACE UNTIL RE-VEGETATION ESTABLISHMENT IS APPROVED BY TOWN.
2. SEE PUBLIC IMPROVEMENT CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, AND STORM DRAINS.
3. REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR.
4. ALL PAVED SURFACES MUST REMAIN FREE OF ALL SEDIMENT AND MAY REQUIRE STREET SWEEPING AT THE DISCRETION OF THE STORMWATER INSPECTOR.



BMP LEGEND

5280		PROPOSED CONTOUR
5280		EXISTING CONTOUR
←		DRAINAGE FLOW
		AREA OUTSIDE CONSTRUCTION LIMITS
		AGGREGATE STOCKPILE
		TOPSOIL STOCKPILE
	CD	CHECK DAM
	CW	CONCRETE WASHOUT AREA
CF	CF	CONSTRUCTION FENCE
	CIP	CULVERT INLET PROTECTION
	CS	CURB SOCK
	DC	DIVERSION CHANNEL
	ECB	EROSION CONTROL BLANKET
	IP1	BLOCK AND ROCK-SOCK INLET PROTECTION
	IP3	ROCK SOCK SUMP INLET PROTECTION
	LOC	LIMITS OF CONSTRUCTION
	RCS	ROUGH CUT STREET CONTROL
	RS	ROCK SOCK
	SB	SEDIMENT BASIN
SCL	SCL	SEDIMENT CONTROL LOG
SM	SM	SEEDING AND MULCHING
SF	SF	SILT FENCE
	SP	STOCKPILE PROTECTION PLAN
	SSA	STABILIZED STAGING AREA
	VTC	VEHICLE TRACKING CONTROL

STAGING NOTES:

#X INSTALL BMP
#M MAINTAIN BMP
#R REMOVE BMP

2 INTERIM STAGE - VERTICAL CONSTRUCTION

CONSTRUCTION ACTIVITY
- FOUNDATION SUB-EXCAVATION AND SHORING
- UTILITY AND INFRASTRUCTURE INSTALLATION
- BUILDING CONSTRUCTION

BMP CONTROL MEASURES
- (REFER TO USDCM VOLUME 3, SEE DETAILS SHEET C5.40)

EROSION CONTROL
- ESTABLISH: LIMITS OF CONSTRUCTION (LOC)
- INSTALL: EC-6 EROSION CONTROL BLANKET (ECB)
- INSTALL: EC-10 DIVERSION CHANNEL (DC)
- PERFORM: EC-14 WIND EROSION / DUST CONTROL (WEDC)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

MATERIALS MANAGEMENT
- INSTALL: MM-1 CONCRETE WASHOUT AREA (CWA)
- PERFORM: MM-2 STOCKPILE MANAGEMENT (SP)
- PERFORM: MM-3 GOOD HOUSEKEEPING PRACTICES (GH)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

SEDIMENT CONTROL
- INSTALL: SC-6 INLET PROTECTION (IP)
- MAINTAIN: SC-7 SEDIMENT BASIN (SB)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

SITE MANAGEMENT
- INSTALL: SM-4 VEHICLE TRACKING CONTROL (VTC)
- INSTALL: SM-6 STABILIZED STAGING AREA (SSA)
- PERFORM: SM-7 STREET SWEEPING (SS)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

811 Know what's below: Call before you dig.
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
GESC PLAN (INTERIM)

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

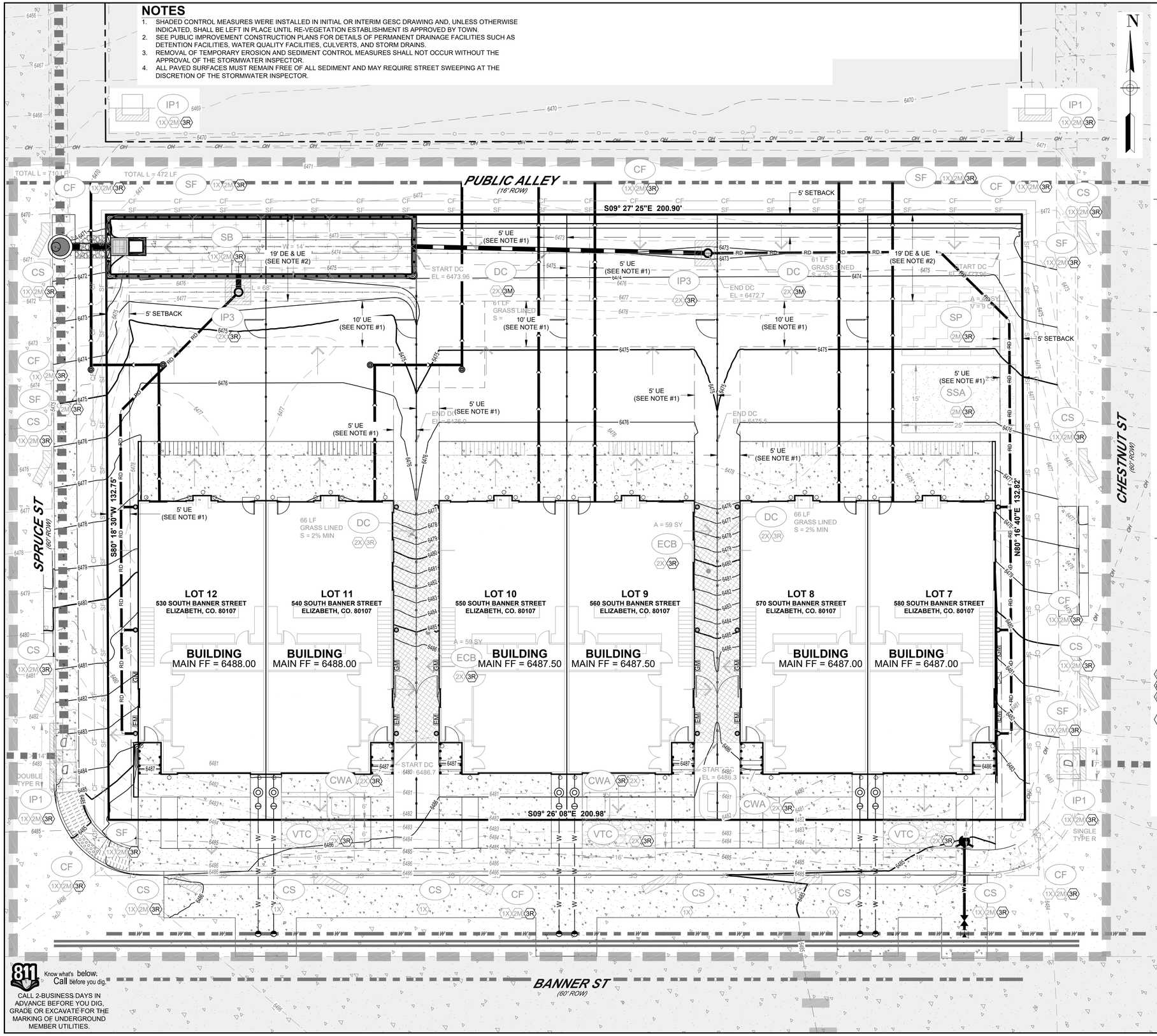
10 0 10
HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C2.20

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C2.20 - GESC PLAN (INTERIM).dwg Plotted by: David Terron Date: 9/16/2024 9:26 AM

NOTES

1. SHADED CONTROL MEASURES WERE INSTALLED IN INITIAL OR INTERIM GESC DRAWING AND, UNLESS OTHERWISE INDICATED, SHALL BE LEFT IN PLACE UNTIL RE-VEGETATION ESTABLISHMENT IS APPROVED BY TOWN.
2. SEE PUBLIC IMPROVEMENT CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, AND STORM DRAINS.
3. REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR.
4. ALL PAVED SURFACES MUST REMAIN FREE OF ALL SEDIMENT AND MAY REQUIRE STREET SWEEPING AT THE DISCRETION OF THE STORMWATER INSPECTOR.



BMP LEGEND

5280		PROPOSED CONTOUR
5280		EXISTING CONTOUR
←		DRAINAGE FLOW
		AREA OUTSIDE CONSTRUCTION LIMITS
		AGGREGATE STOCKPILE
		TOPSOIL STOCKPILE
	CD	CHECK DAM
	CW	CONCRETE WASHOUT AREA
CF	CF	CONSTRUCTION FENCE
	CIP	CULVERT INLET PROTECTION
	CS	CURB SOCK
	DC	DIVERSION CHANNEL
	ECB	EROSION CONTROL BLANKET
	IP1	BLOCK AND ROCK-SOCK INLET PROTECTION
	IP3	ROCK SOCK SUMP INLET PROTECTION
	LOC	LIMITS OF CONSTRUCTION
	RCS	ROUGH CUT STREET CONTROL
	RS	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING AND MULCHING
SF	SF	SILT FENCE
	SP	STOCKPILE PROTECTION PLAN
	SSA	STABILIZED STAGING AREA
	VTC	VEHICLE TRACKING CONTROL

STAGING NOTES:

- #X INSTALL BMP
- #M MAINTAIN BMP
- #R REMOVE BMP

3 FINAL STAGE - SITE STABILIZATION / COMPLETION OF PROJECT

CONSTRUCTION ACTIVITY

- FINAL GRADING
- FINAL SITE STABILIZATION

CONSTRUCTION BMPS. REFER TO USDCM VOLUME 3. SEE DETAILS SHEETS C5.40 - C5.47.

MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE, REMOVE ONLY WITH INSPECTORS PERMISSION.

- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE
- REFER TO APPROVED LANDSCAPE PLANS FOR FINAL STABILIZATION.

NOTES:

1. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
2. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

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

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ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

GESC PLAN (FINAL)

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

10 0 10
HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C2.30

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C2.30 - GESC PLAN (FINAL).dwg Plotted by: David Terron Date: 9/16/2024 9:28 AM

NOTES

1. SHADED CONTROL MEASURES WERE INSTALLED IN INITIAL OR INTERIM GESC DRAWING AND, UNLESS OTHERWISE INDICATED, SHALL BE LEFT IN PLACE UNTIL RE-VEGETATION ESTABLISHMENT IS APPROVED BY TOWN.
2. SEE PUBLIC IMPROVEMENT CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, AND STORM DRAINS.
3. REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR.
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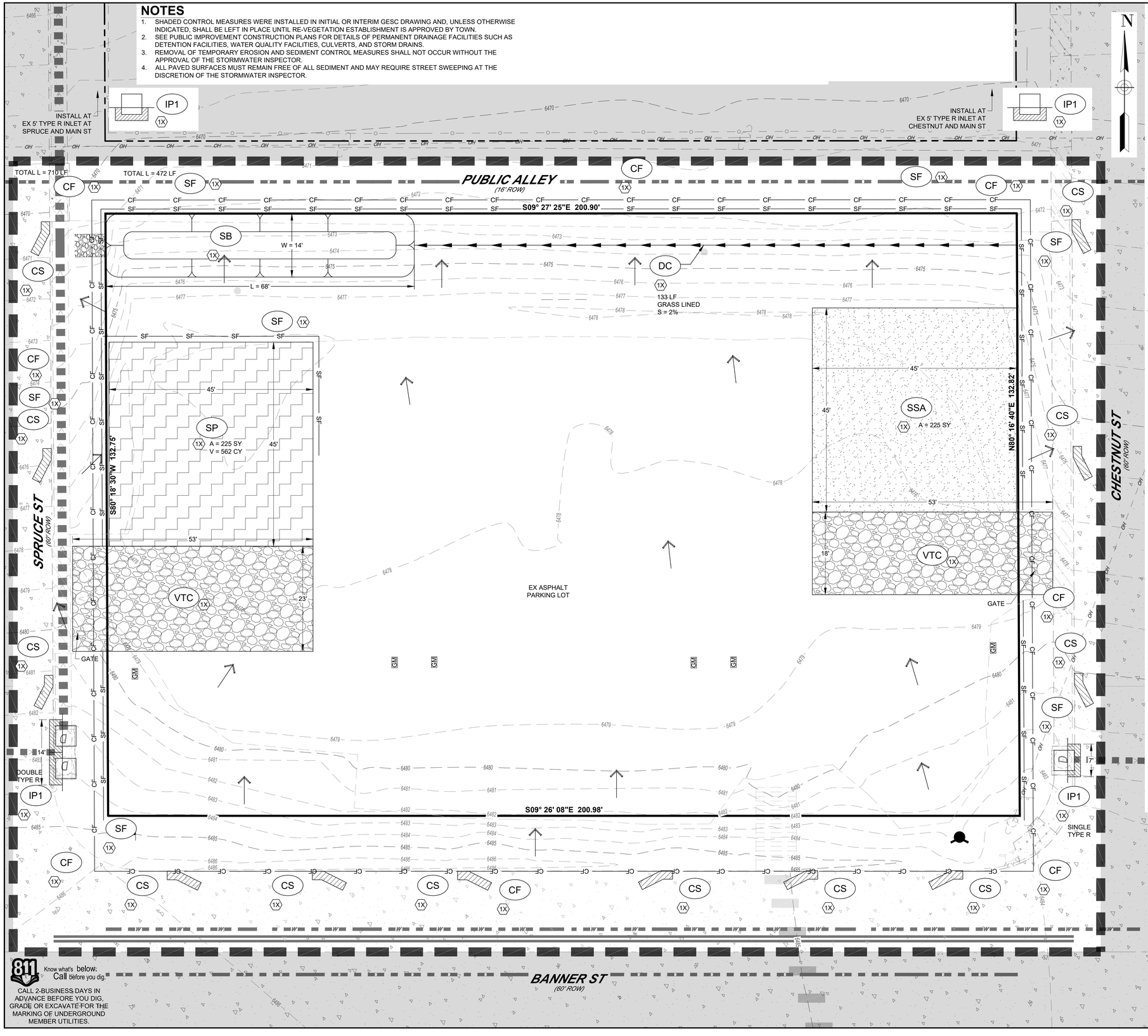

BMP LEGEND

5280		PROPOSED CONTOUR
5280		EXISTING CONTOUR
←		DRAINAGE FLOW
		AREA OUTSIDE CONSTRUCTION LIMITS
		AGGREGATE STOCKPILE
		TOPSOIL STOCKPILE
	CD	CHECK DAM
	CW	CONCRETE WASHOUT AREA
CF	CF	CONSTRUCTION FENCE
	CIP	CULVERT INLET PROTECTION
	CS	CURB SOCK
	DC	DIVERSION CHANNEL
	ECB	EROSION CONTROL BLANKET
	IP1	BLOCK AND ROCK-SOCK INLET PROTECTION
	IP3	ROCK SOCK SUMP INLET PROTECTION
	LOC	LIMITS OF CONSTRUCTION
	RCS	ROUGH CUT STREET CONTROL
	RS	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING AND MULCHING
SF	SF	SILT FENCE
	SP	STOCKPILE PROTECTION PLAN
	SSA	STABILIZED STAGING AREA
	VTC	VEHICLE TRACKING CONTROL

STAGING NOTES:

#X INSTALL BMP
#M MAINTAIN BMP
#R REMOVE BMP

1 INITIAL STAGE - SITE DEMOLITION, CLEARING, AND GRUBBING

CONSTRUCTION ACTIVITY
- DEMOLITION OF ITEMS LABELED TO BE REMOVED. SEE SHEET C3.10 FOR DETAILS.
- CLEARING AND GRUBBING
- TOP SOIL STRIPPING AND STOCKPILING

BMP CONTROL MEASURES
- (REFER TO USDCM VOLUME 3, SEE DETAILS SHEET C5.40)

EROSION CONTROL
- ESTABLISH: LIMITS OF CONSTRUCTION (LOC)
- PERFORM: EC-14 WIND EROSION / DUST CONTROL (DC)

MATERIALS MANAGEMENT
- PERFORM: MM-2 STOCKPILE MANAGEMENT (SP)
- PERFORM: MM-3 GOOD HOUSEKEEPING PRACTICES (GH)

SEDIMENT CONTROL
- INSTALL: SC-1 SILT FENCE (SF)
- INSTALL: SC-5 CURB SOCK / ROCK SOCK (CS) (RS)
- INSTALL: SC-6 INLET PROTECTION (IP) FOR EXISTING INLETS ONLY
- INSTALL: SM-7 SEDIMENT BASIN (SB)

SITE MANAGEMENT
- PERFORM: SM-1 CONSTRUCTION PHASING AND SEQUENCING (CP)
- INSTALL: SM-3 CONSTRUCTION FENCE (CF)
- INSTALL: SM-4 VEHICLE TRACKING CONTROL (VTC)
- INSTALL: SM-6 STABILIZED STAGING AREA (SSA)
- PERFORM: SM-7 STREET SWEEPING (SS)
- PERFORM: SM-12 PAVING AND GRINDING OPERATIONS (PGO)

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ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
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PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
GESC PLAN (INITIAL)

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

10 0 10
HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C2.10

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C2.10 - GESC PLAN (INITIAL).dwg
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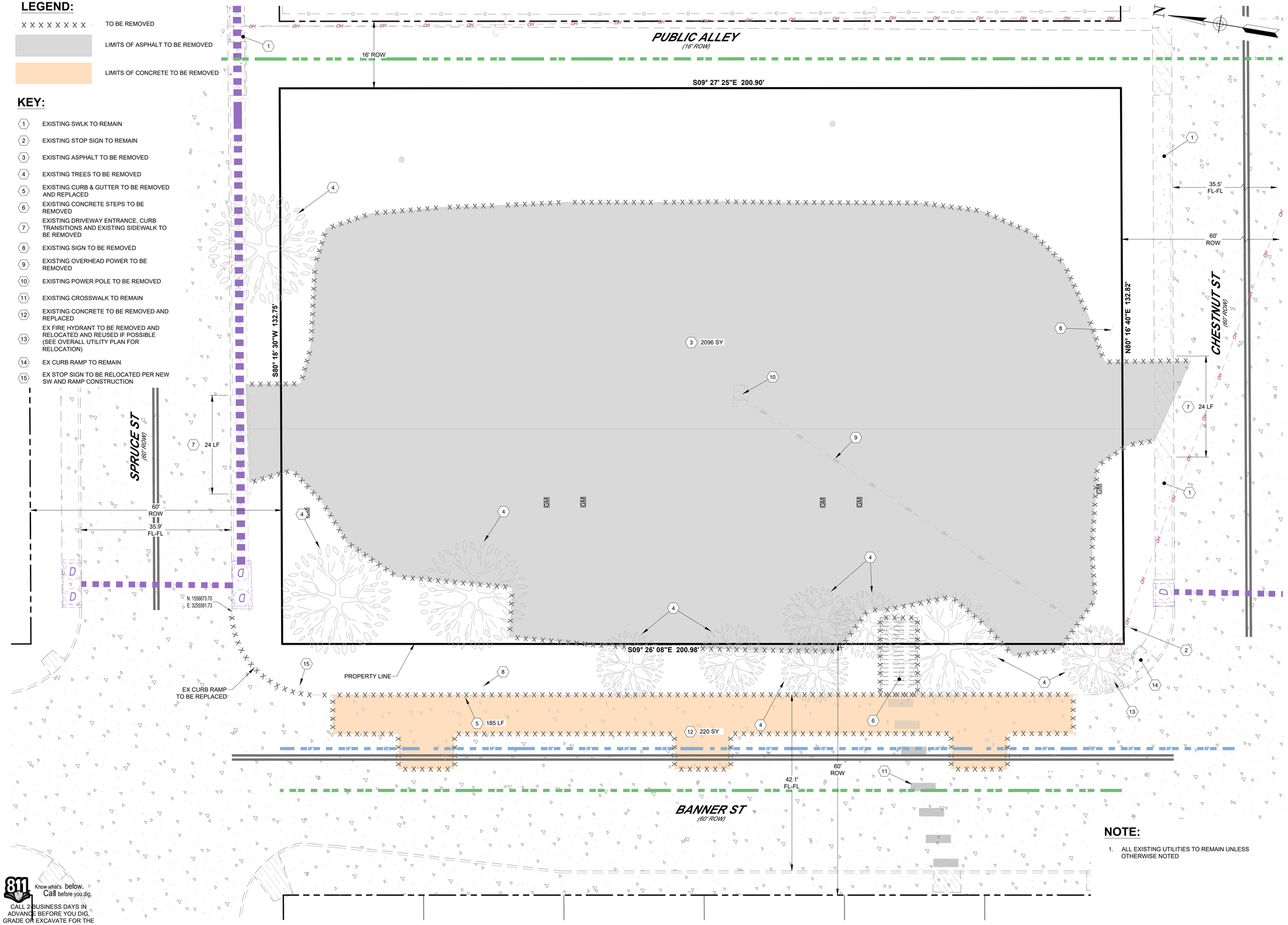
LEGEND:

- XXXXXXXX — TO BE REMOVED
- LIMITS OF ASPHALT TO BE REMOVED
- LIMITS OF CONCRETE TO BE REMOVED

KEY:

1. EXISTING SWLK TO REMAIN
2. EXISTING STOP SIGN TO REMAIN
3. EXISTING ASPHALT TO BE REMOVED
4. EXISTING TREES TO BE REMOVED
5. EXISTING CURB & GUTTER TO BE REMOVED AND REPLACED
6. EXISTING CONCRETE STEPS TO BE REMOVED
7. EXISTING DRIVEWAY ENTRANCE, CURB TRANSITIONS AND EXISTING SIDEWALK TO BE REMOVED
8. EXISTING SIGN TO BE REMOVED
9. EXISTING OVERHEAD POWER TO BE REMOVED
10. EXISTING POWER POLE TO BE REMOVED
11. EXISTING CROSSWALK TO REMAIN
12. EXISTING CONCRETE TO BE REMOVED AND REPLACED
13. EX FIRE HYDRANT TO BE REMOVED AND RELOCATED AND REUSED IF POSSIBLE (SEE OVERALL UTILITY PLAN FOR RELOCATION)
14. EX CURB RAMP TO REMAIN
15. EX STOP SIGN TO BE RELOCATED PER NEW SW AND RAMP CONSTRUCTION



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

CALL 2 BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

NOTE:

1. ALL EXISTING UTILITIES TO REMAIN UNLESS OTHERWISE NOTED

ROTH LANG ENGINEERING GROUP LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

EXISTING CONDITIONS & DEMO PLAN

PREPARED FOR:

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

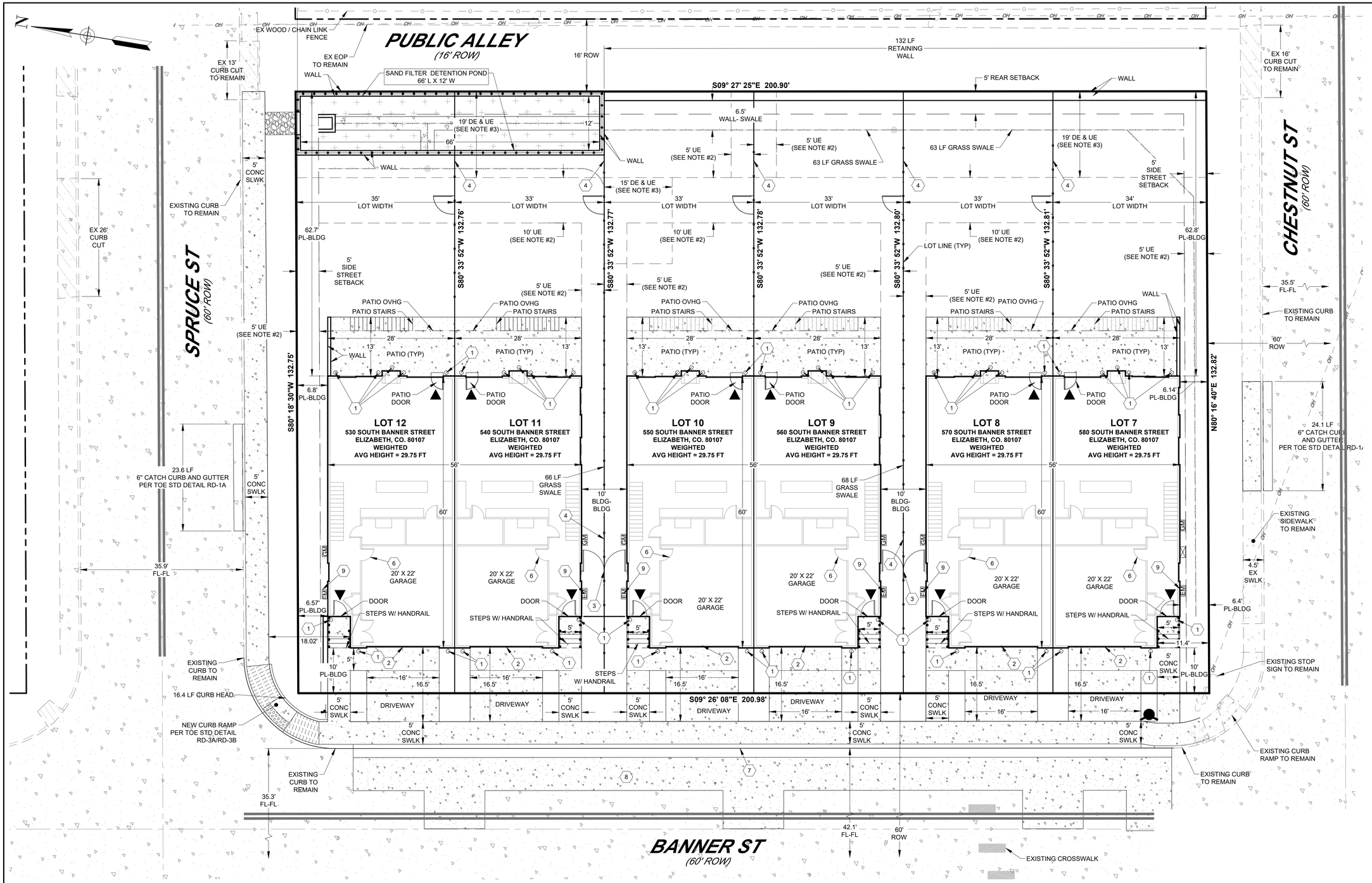
ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

10 0 10
HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C3.10

Plotted by: David Terron Date: 9/16/2024 9:29 AM
File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C3.10 - EXISTING CONDITIONS & DEMO PLAN.dwg



KEY:

1. EXTERIOR LIGHTING FIXTURE
2. PRIVATE GARAGE DOOR, 16' WIDE
3. PRIVATE GATE
4. PRIVATE WOOD FENCE
5. EX CURB CUT TO BE REMOVED
6. GARAGE MAN DOOR
7. CURB GUTTER AND SIDEWALK PER TOE STD DETAIL RD-1B
8. CONCRETE PAVEMENT, SEE SHEET C4.20 FOR DIMENSIONS
9. ELECTRICAL METER

NOTES:

1. LOT LINE FENCING SHALL NOT RESTRICT CROSS LOT SWALE FLOW. CONTRACTOR TO PROVIDE A 9-INCH DEEP DRAINAGE CLEARANCE FROM BOTTOM OF FENCE TO SWALE FLOWLINE.
2. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
3. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

SITE PLAN

PREPARED FOR:

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

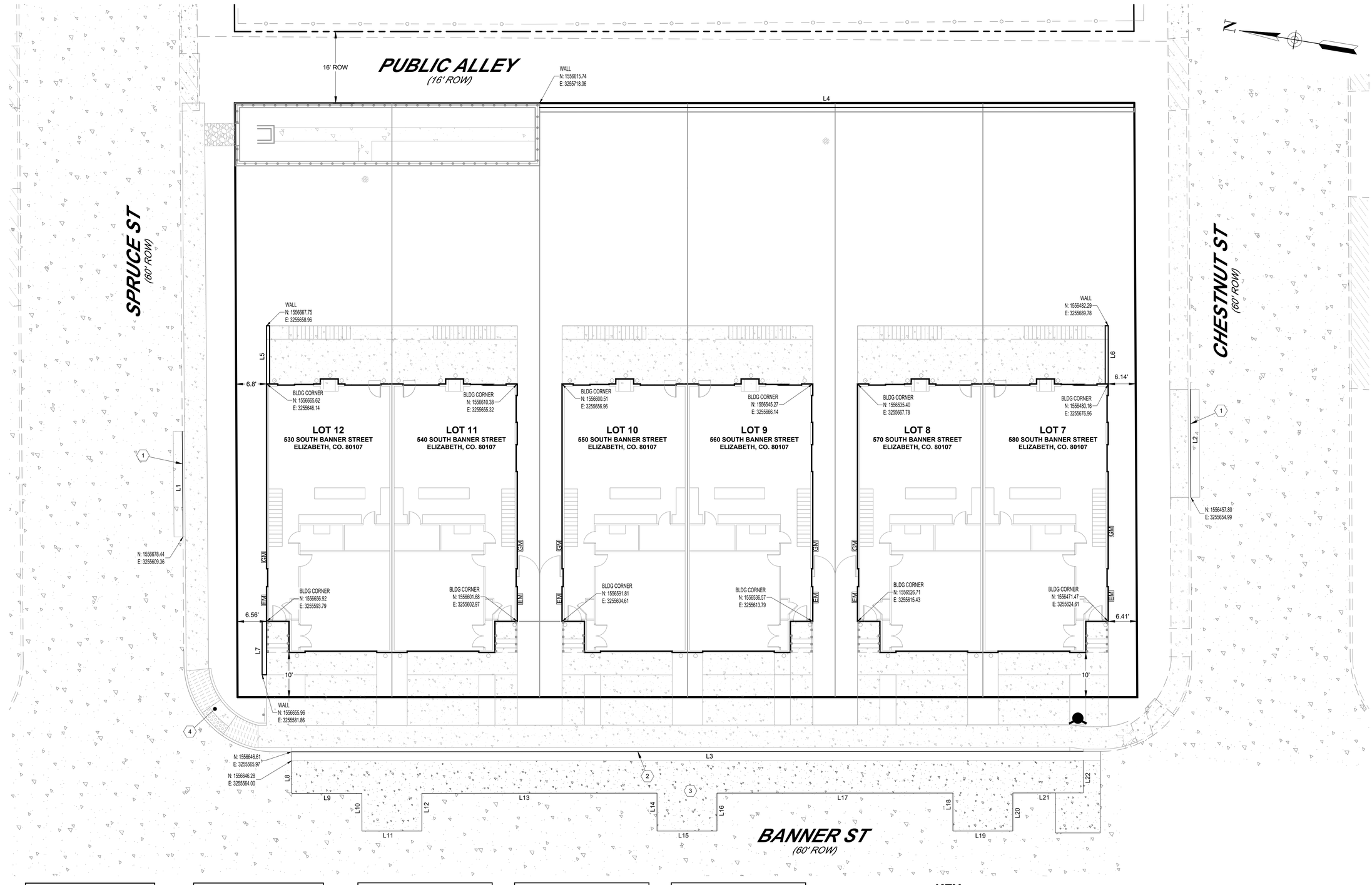
ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

10 0 10
HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C4.10

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C4.10 - SITE PLAN.dwg
Plotted by: David Terron Date: 9/16/2024 9:30 AM



FLOWLINE LINE TABLE		
LINE	LENGTH	DIRECTION
L1	23.57	S80° 09' 12"W
L2	24.12	S80° 15' 31"W
L3	176.81	S09° 27' 59"E

WALL LINE TABLE		
LINE	LENGTH	DIRECTION
L4	132.83	N09° 27' 25"W
L5	13.00	N80° 33' 53"E
L6	13.00	S80° 33' 53"W
L7	11.93	N80° 35' 43"E

CONCRETE LINE TABLE		
LINE	LENGTH	DIRECTION
L8	7.30	S80° 32' 01"W
L9	15.68	S09° 27' 59"E
L10	8.42	S80° 32' 01"W
L11	13.39	S09° 26' 08"E
L12	8.43	N80° 32' 01"E

CONCRETE LINE TABLE		
LINE	LENGTH	DIRECTION
L13	52.53	S09° 27' 59"E
L14	8.46	S80° 32' 01"W
L15	13.39	S09° 26' 08"E
L16	8.47	N80° 35' 02"E
L17	52.70	S09° 27' 59"E

CONCRETE LINE TABLE		
LINE	LENGTH	DIRECTION
L18	8.49	S80° 32' 01"W
L19	13.39	S09° 26' 08"E
L20	8.50	N80° 35' 01"E
L21	15.72	S09° 27' 59"E
L22	7.30	N80° 32' 01"E

KEY:

1. 6" CATCH CURB AND GUTTER PER TOE STD DETAIL RD-1A
2. COMBINATION CURB GUTTER AND SIDEWALK PER TOE STD DETAIL RD-1B
3. CONCRETE PAVEMENT
4. CURB RAMP PER TOE STD DETAIL RD-3A/RD-3B

ROTH LANG ENGINEERING GROUP LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

HORIZONTAL CONTROL AND PAVING PLAN

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

DATE	REVISIONS	BY

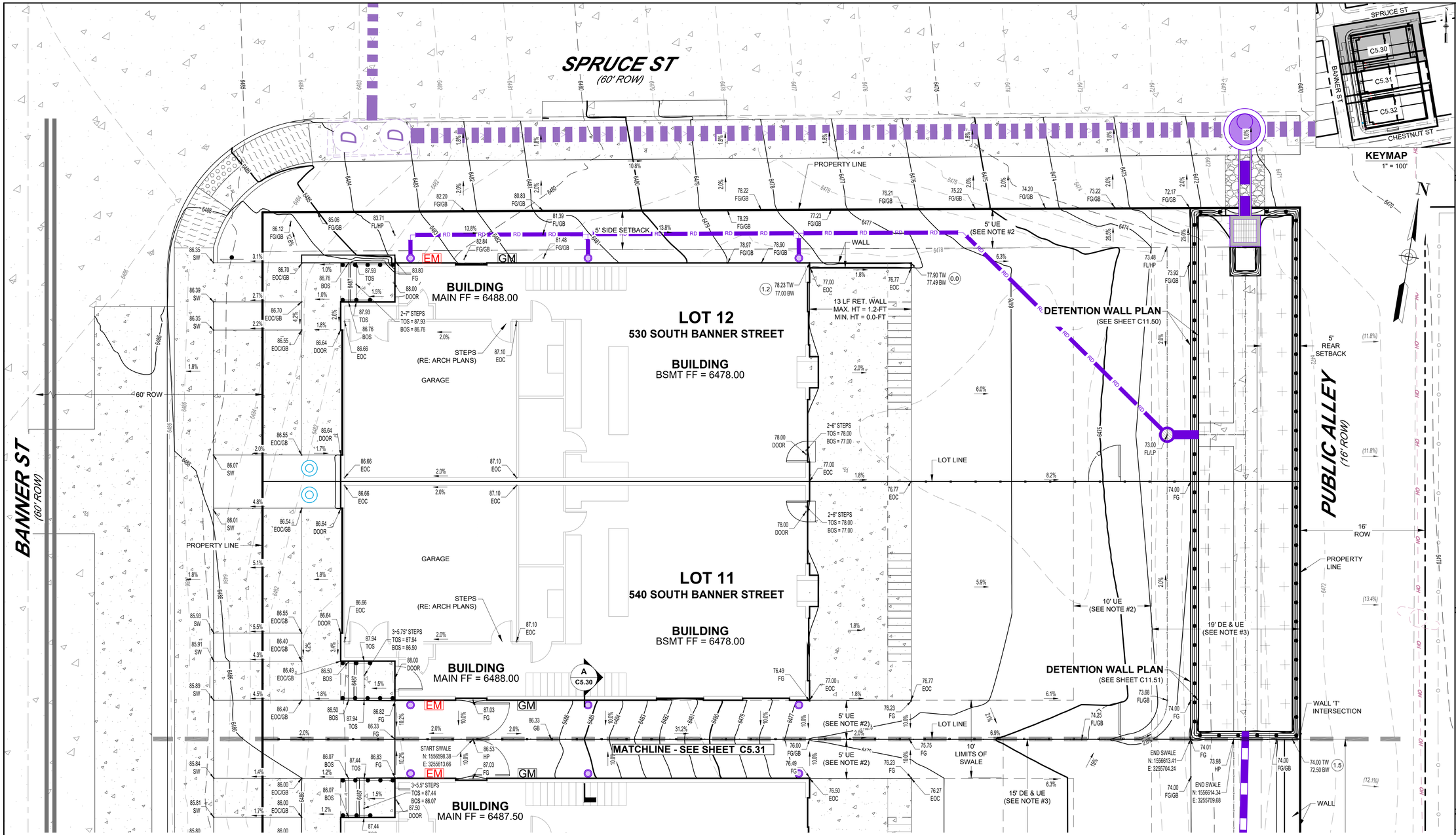
ISSUE DATE: 09/16/24

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

10 0 10
HORIZONTAL SCALE: 1" = 10'

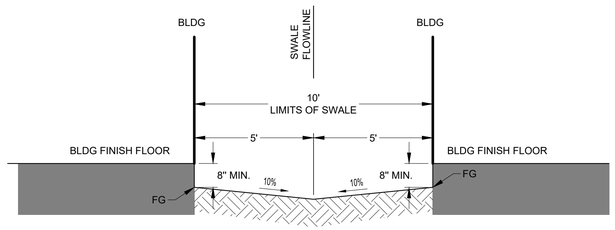
SHEET NUMBER:
C4.20

Plotted by: David Terron Date: 9/16/2024 9:31 AM
File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C4.20 - HORIZONTAL CONTROL AND PAVING PLAN.dwg



GRADING PLAN - LOT 11 AND LOT 12

SCALE: 1" = 6'



A C5.30 LOT SWALE DETAIL

SCALE: 1" = 3'

NOTES:

1. LOT LINE FENCING SHALL NOT RESTRICT CROSS LOT SWALE FLOW. CONTRACTOR TO PROVIDE A 9-INCH DEEP DRAINAGE CLEARANCE FROM BOTTOM OF FENCE TO SWALE FLOWLINE.
2. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
3. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

ROTH LANG ENGINEERING GROUP, LLC
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CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

DETAILED GRADING PLAN - LOT 11 AND LOT 12

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

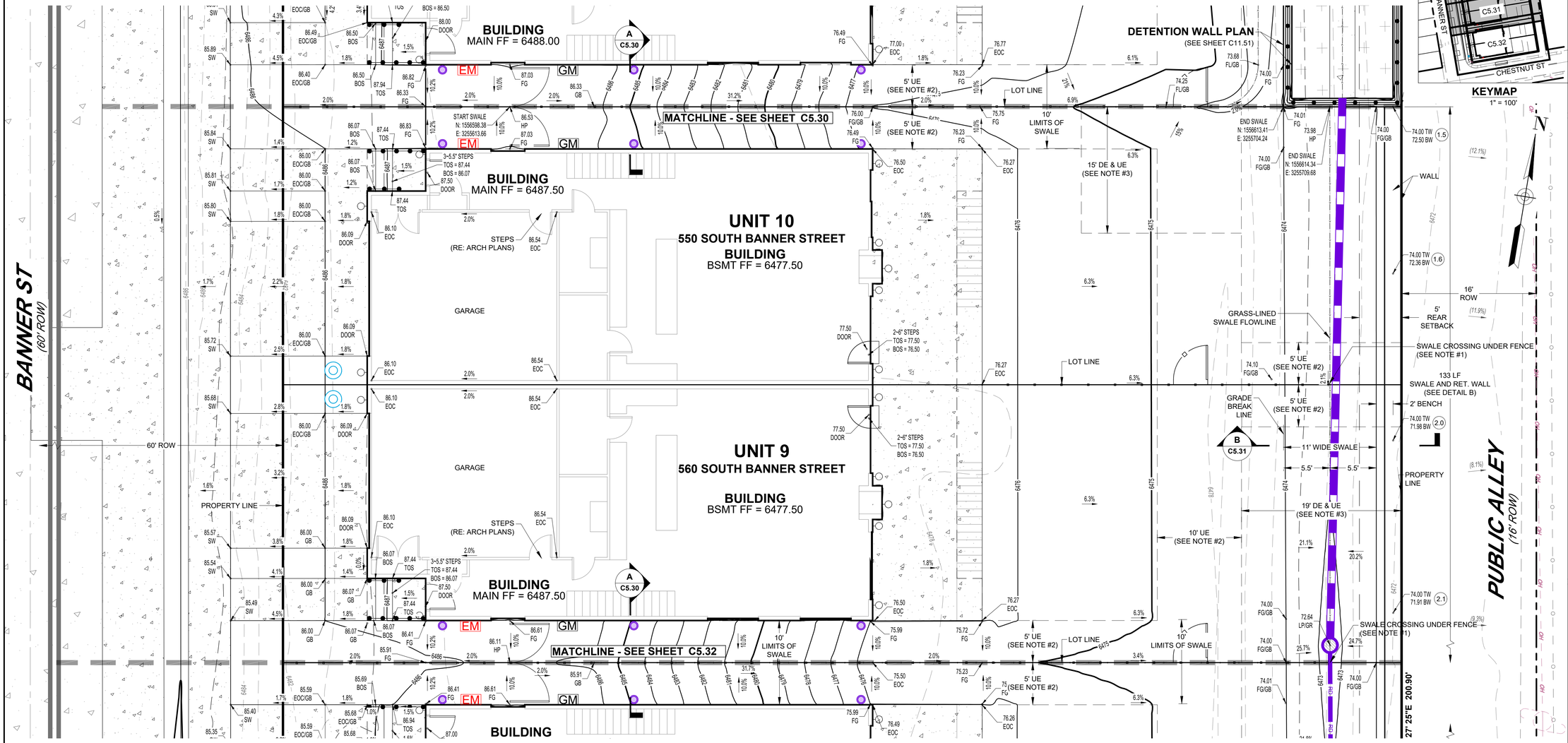
ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

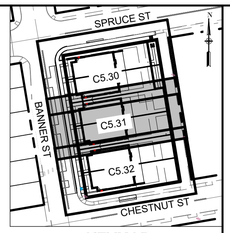
DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

6 0 6
HORIZONTAL SCALE: 1" = 6'

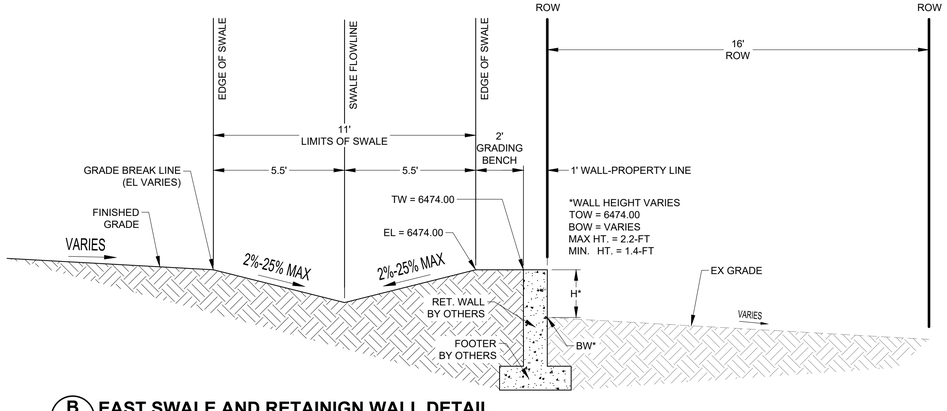
SHEET NUMBER:
C5.30

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C5.30 - DETAILED GRADING PLAN.dwg
Plotted by: David Terron Date: 9/16/2024 9:33 AM





KEYMAP
1" = 100'



B C5.31 EAST SWALE AND RETAINIGN WALL DETAIL
SCALE

GRADING PLAN - LOT 9 AND LOT 10
SCALE: 1" = 6'

NOTES:

1. LOT LINE FENCING SHALL NOT RESTRICT CROSS LOT SWALE FLOW. CONTRACTOR TO PROVIDE A 9-INCH DEEP DRAINAGE CLEARANCE FROM BOTTOM OF FENCE TO SWALE FLOWLINE.
2. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
3. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

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PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
DETAILED GRADING PLAN - LOT 9 AND LOT 10
LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116
PREPARED FOR:

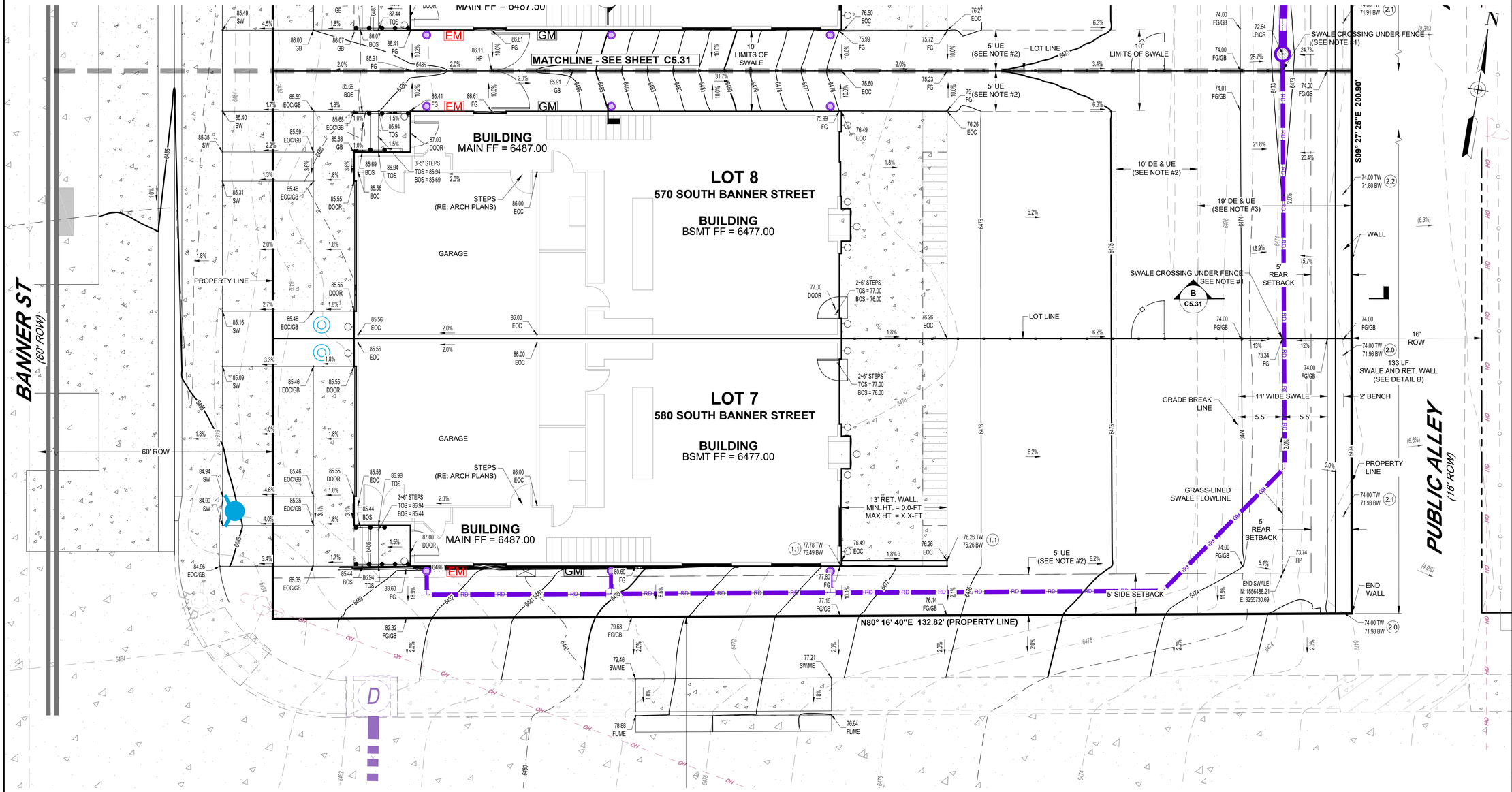
ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

10 0 10
HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C5.31

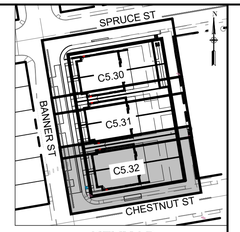
Plotted by: David Terron Date: 9/16/2024 9:33 AM
File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C5.30 - DETAILED GRADING PLAN.dwg



GRADING PLAN - LOT 8 AND LOT 7
SCALE: 1" = 6'

NOTES:

1. LOT LINE FENCING SHALL NOT RESTRICT CROSS LOT SWALE FLOW. CONTRACTOR TO PROVIDE A 9-INCH DEEP DRAINAGE CLEARANCE FROM BOTTOM OF FENCE TO SWALE FLOWLINE.
2. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
3. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.



KEYMAP
1" = 100'

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
DETAILED GRADING PLAN - LOT 7 AND LOT 8

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

DATE	REVISIONS	BY

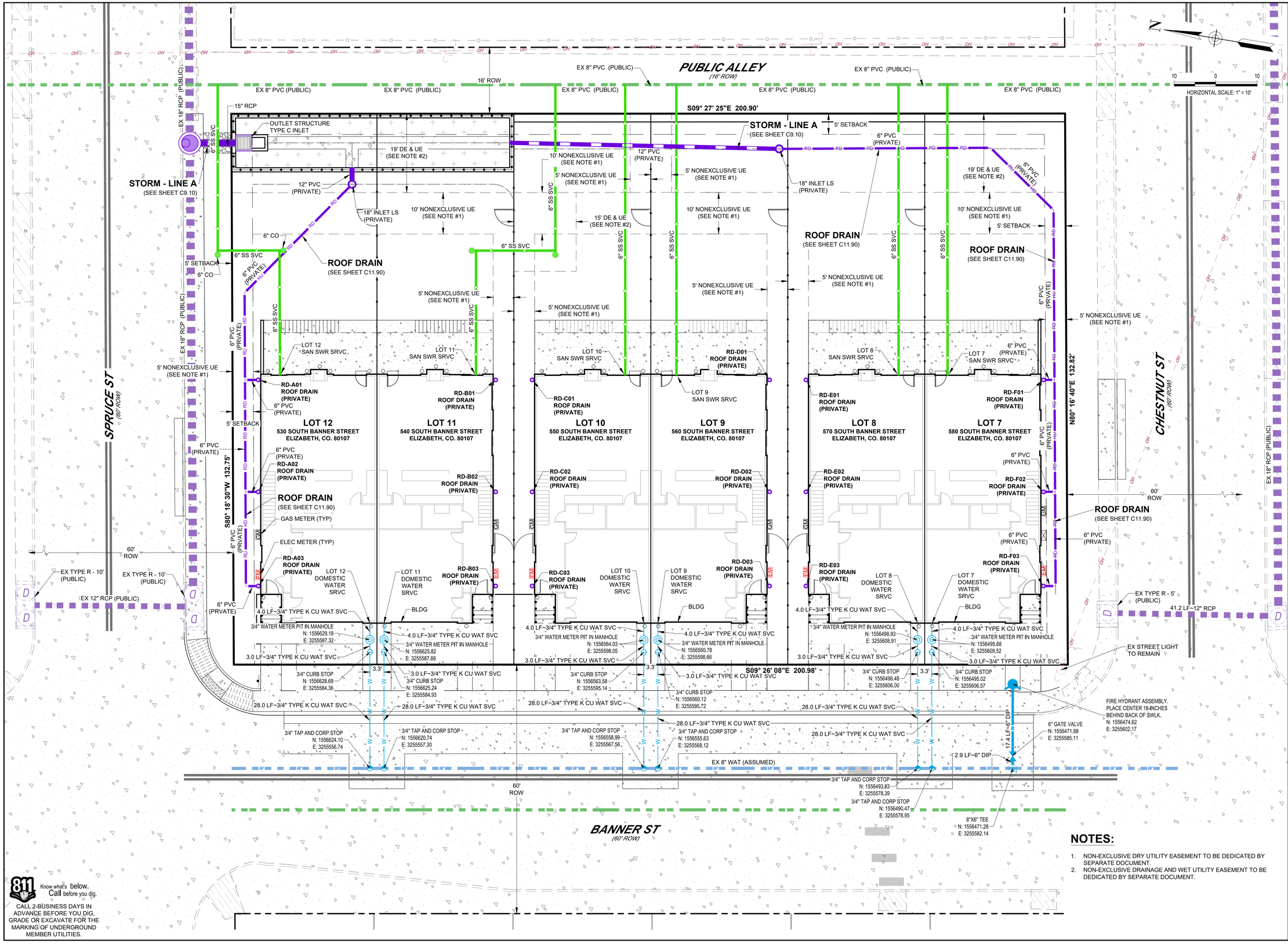
ISSUE DATE: 09/16/24

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

10 0 10
HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C5.32

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C5.30 - DETAILED GRADING PLAN.dwg Plotted by: David Terron Date: 9/16/2024 9:33 AM



NOTES:

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2. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

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CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

OVERALL UTILITY PLAN

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

DATE	REVISIONS	BY

ISSUE DATE: 09/16/24

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

SHEET NUMBER:

C6.10

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C6.10 - OVERALL UTILITY PLAN.dwg
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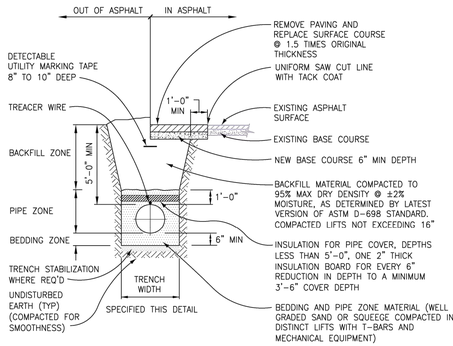


NOTE:
1. TRENCH SHALL CONFORM TO OSHA STANDARDS.

TRENCH WIDTH SHALL CONFORM TO THE FOLLOWING:

PIPE I.D.	MIN. WIDTH	MAX. WIDTH
4" OR SMALLER	1'-4"	2'-4"
6"	1'-6"	2'-6"
8"	1'-8"	2'-8"
12"	2'-0"	3'-0"
16"	2'-4"	3'-4"

TOWN OF ELIZABETH

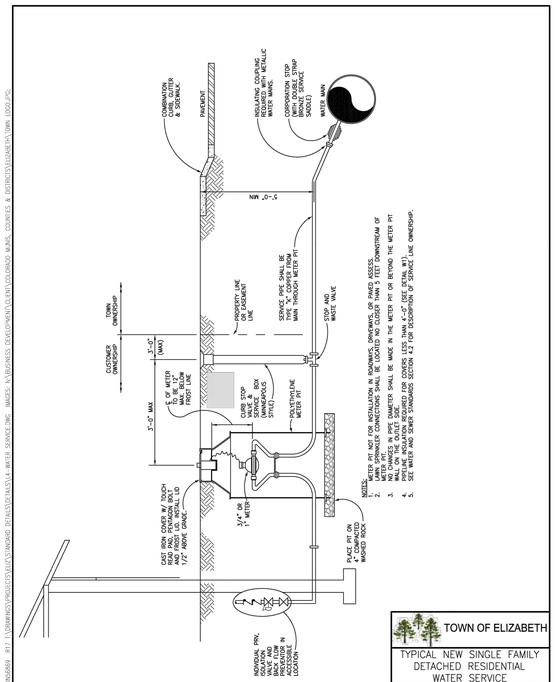
WATER PIPE TRENCH

SCALE: NTS | DATE: JUNE 2011

LAST REVISED: JUNE 2011

WATER AND SEWER STANDARDS

W1



TOWN OF ELIZABETH

TYPICAL NEW SINGLE FAMILY DETACHED RESIDENTIAL WATER SERVICE

SCALE: NTS | DATE: JUNE 2011

LAST REVISED: JUNE 2011

WATER AND SEWER STANDARDS

L4

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ROTH LANG ENGINEERING GROUP LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

WATERLINE DETAILS

PREPARED FOR:

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

ISSUE DATE: 09/16/24		
DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

SHEET NUMBER:

C7.50

8/22/11 08:29 CDK/SB69 R17 I:\SHARED\PROJECTS\STANDARD DETAILS\W1 - PIPE TRENCH.DWG IMAGES IN BUSINESS DEVELOPMENT\CLIENT\COLORADO MUNI. COUNTIES & DISTRICTS\ELIZABETH\TOWN LOGO.JPG
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Plotted by: David Terron Date: 9/16/2024 9:35 AM
File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\C7's\C7.50 - WATERLINE DETAILS.dwg

KEY:

1. UTILITY CROSSING: STORM LINE
2. WALL CROSSING

HORIZONTAL SCALE: 1" = 10'

SS-A57
Null Structure
N: 1556687.07
E: 3255711.93
INV. OUT (6") = 6468.65 (W)

SS-A56
Null Structure
N: 1556687.29
E: 3255713.24
INV. OUT (8") = 6466.98 (S)

FIT-B06
8"X6" WYE
N: 1556607.03
E: 3255726.61
INV. OUT (8") = 6467.24 (S)

FIT-B05
6" PVC ~
45° VERT. BEND
N: 1556606.81
E: 3255725.30
INV. OUT (6") = 6468.90 (W)

FIT-C01
6" PVC ~
45° VERT. BEND
N: 1556590.21
E: 3255728.06
INV. OUT (8") = 6468.95 (W)

FIT-C02
8"X6" WYE
N: 1556590.43
E: 3255729.38
INV. OUT (8") = 6467.29 (S)

FIT-D02
8"X6" WYE
N: 1556578.26
E: 3255731.40
INV. OUT (8") = 6467.33 (S)

FIT-D01
6" PVC ~
45° VERT. BEND
N: 1556578.04
E: 3255730.09
INV. OUT (6") = 6468.99 (W)

FIT-E02
8"X6" WYE
N: 1556525.46
E: 3255740.20
INV. OUT (8") = 6467.49 (S)

FIT-F02
8"X6" WYE
N: 1556513.85
E: 3255742.13
INV. OUT (8") = 6467.53 (S)

PUBLIC ALLEY
(16' ROW)

EX 8" PVC (PUBLIC)

WALL

S09° 27' 25"E 200.90'

5' SETBACK

FIT-F01
6" PVC ~
45° VERT. BEND
N: 1556513.64
E: 3255740.82
INV. OUT (6") = 6469.19 (W)

FIT-E01
6" PVC ~
45° VERT. BEND
N: 1556525.24
E: 3255738.88
INV. OUT (6") = 6469.16 (W)

19' DE & UE
(SEE NOTE #2)

12" PVC
(PRIVATE)

5' UE
(SEE NOTE #1)

10' UE
(SEE NOTE #1)

15' DE & UE
(SEE NOTE #2)

38.6 LF~6" PVC @ 7.00%

38.7 LF~6" PVC @ 2.00%

1.0 LF~6" PVC @ 2.00%

14.9 LF~6" PVC @ 6.99%

19.1 LF~6" PVC @ 7.66%

68.7 LF~6" PVC @ 2.00%

68.7 LF~6" PVC @ 6.31%

68.7 LF~6" PVC @ 6.27%

30.1 LF~6" PVC @ 7.00%

30.0 LF~6" PVC @ 8.62%

0.9 LF~6" PVC @ 2.00%

FIT-A03
6" CO
N: 1556680.57
E: 3255672.81
INV. OUT (6") = 6471.37 (E)

FIT-A02
6" PVC ~
90° BEND
N: 1556666.06
E: 3255676.30
INV. OUT (6") = 6472.39 (W)

FIT-A01
6" CO
N: 1556665.13
E: 3255676.48
INV. OUT (6") = 6472.41 (N)

FIT-B01
6" CO
N: 1556620.32
E: 3255683.85
INV. OUT (6") = 6471.16 (S)

FIT-B02
6" PVC ~
90° BEND
N: 1556619.33
E: 3255684.02
INV. OUT (6") = 6471.91 (W)

FIT-B03
6" CO
N: 1556600.30
E: 3255686.17
INV. OUT (6") = 6469.69 (E)

FIT-B04
6" PVC ~
90° BEND
N: 1556600.45
E: 3255687.16
INV. OUT (6") = 6469.67 (N)

SPRUCE ST
(60' ROW)

S80° 18' 30"W 132.75'

N80° 16' 40"E 132.82'

CHESTNUT ST
(60' ROW)

EX 18" RCP (PUBLIC)

SS-A01
LOT 12
SAN SWR SRVC
N: 1556661.00
E: 3255646.66
INV. OUT (6") = 6474.50 (E)

SS-B01
LOT 11
SAN SWR SRVC
N: 1556614.40
E: 3255654.40
INV. OUT (6") = 6474.50 (E)

SS-C01
LOT 10
SAN SWR SRVC
N: 1556578.92
E: 3255660.30
INV. OUT (6") = 6470.32 (E)

SS-D01
LOT 9
SAN SWR SRVC
N: 1556566.75
E: 3255662.32
INV. OUT (6") = 6470.36 (E)

SS-E01
LOT 8
SAN SWR SRVC
N: 1556513.95
E: 3255671.09
INV. OUT (6") = 6473.50 (E)

SS-F01
LOT 7
SAN SWR SRVC
N: 1556502.30
E: 3255673.03
INV. OUT (6") = 6473.50 (E)

5' UE
(SEE NOTE #1)

LOT 12
530 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 11
540 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 10
550 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 9
560 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 8
570 SOUTH BANNER STREET
ELIZABETH, CO. 80107

LOT 7
580 SOUTH BANNER STREET
ELIZABETH, CO. 80107

S09° 26' 08"E 200.98'

NOTES:

1. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
2. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

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6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

SANITARY SEWER SERVICES PLAN

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

DATE	REVISIONS	BY

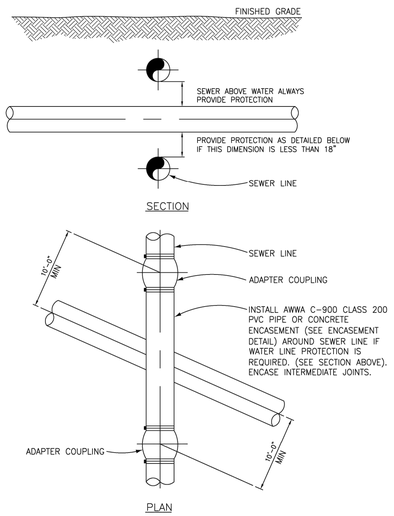
ISSUE DATE: 09/16/24

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

SHEET NUMBER:

C8.10

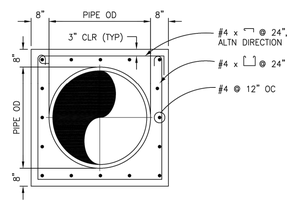
File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C8.10 - SANITARY SEWER SERVICE PLAN.dwg Plotted by: David Terron Date: 9/16/2024 9:36 AM



TOWN OF ELIZABETH

SEWER AND WATER LINE CROSSING

SCALE: NTS	DATE: JUNE 2011
LAST REVISED: JUNE 2011	G3
WATER AND SEWER STANDARDS	

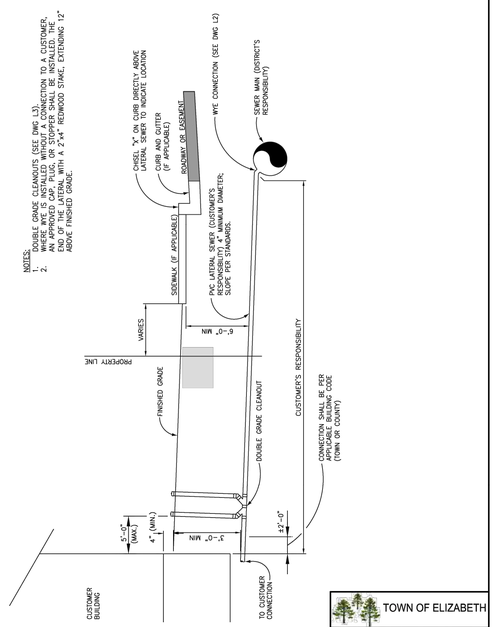


NOTES:
1. FOR TIE-INS TO STRUCTURES EXTEND LONGITUDINAL REINFORCING INTO WALL OR SLAB, PROVIDE DOWELS AT EACH END.
2. PROVIDE TWO FLEXIBLE JOINTS WITHIN SIX FEET OF EACH END OF ENCASEMENT.
3. USE GR 40 REINF. BARS.
4. CONCRETE SHALL HAVE A MINIMUM COMPRESSION STRENGTH OF 3,000 psi AT 28 DAYS

TOWN OF ELIZABETH

CONCRETE ENCASEMENT

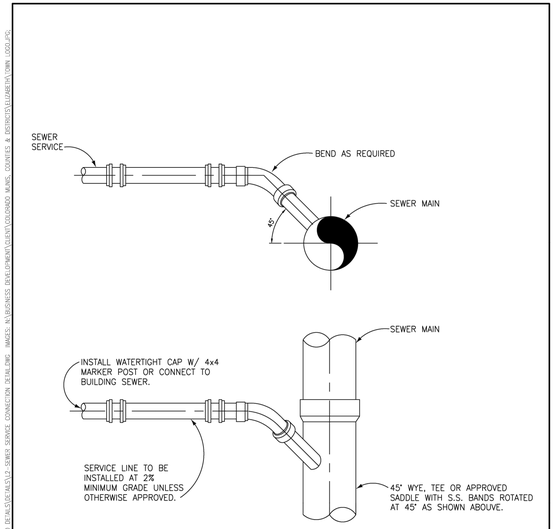
SCALE: NTS	DATE: JUNE 2011
LAST REVISED: JUNE 2011	G4
WATER AND SEWER STANDARDS	



TOWN OF ELIZABETH

TYPICAL RESIDENTIAL SEWER SERVICE

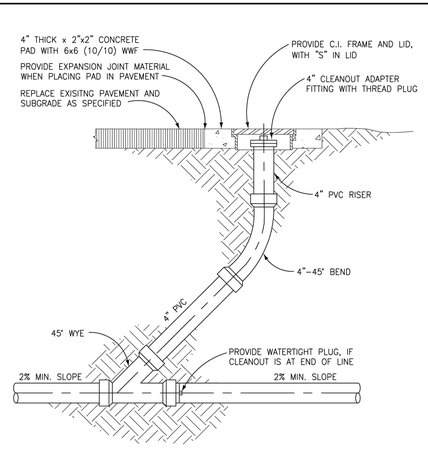
SCALE: NTS	DATE: JAN 2011
LAST REVISED: JAN 2011	L1
WATER AND SEWER STANDARDS	



TOWN OF ELIZABETH

SEWER SERVICE WYE CONNECTION

SCALE: NTS	DATE: JUNE 2011
LAST REVISED: JUNE 2011	L2
WATER AND SEWER STANDARDS	

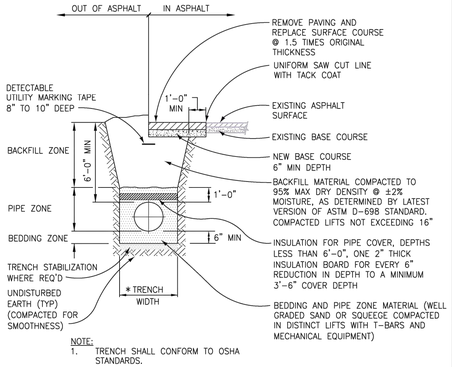


NOTE:
BEND & WYE TO BE GASKETED, NO GLUE JOINTS. PIPE MATERIAL AS SPECIFIED FOR SERVICE LINE.

TOWN OF ELIZABETH

SEWER SERVICE LINE CLEANOUT

SCALE: NTS	DATE: JUNE 2011
LAST REVISED: JUNE 2011	L3
WATER AND SEWER STANDARDS	



NOTE:
1. TRENCH SHALL CONFORM TO OSHA STANDARDS.

* MAXIMUM TRENCH WIDTH = 24" + NORMAL PIPE DIAMETER

TOWN OF ELIZABETH

SEWER PIPE TRENCH

SCALE: NTS	DATE: JUNE 2011
LAST REVISED: JUNE 2011	S1
WATER AND SEWER STANDARDS	

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6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

SANITARY SEWER DETAILS

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

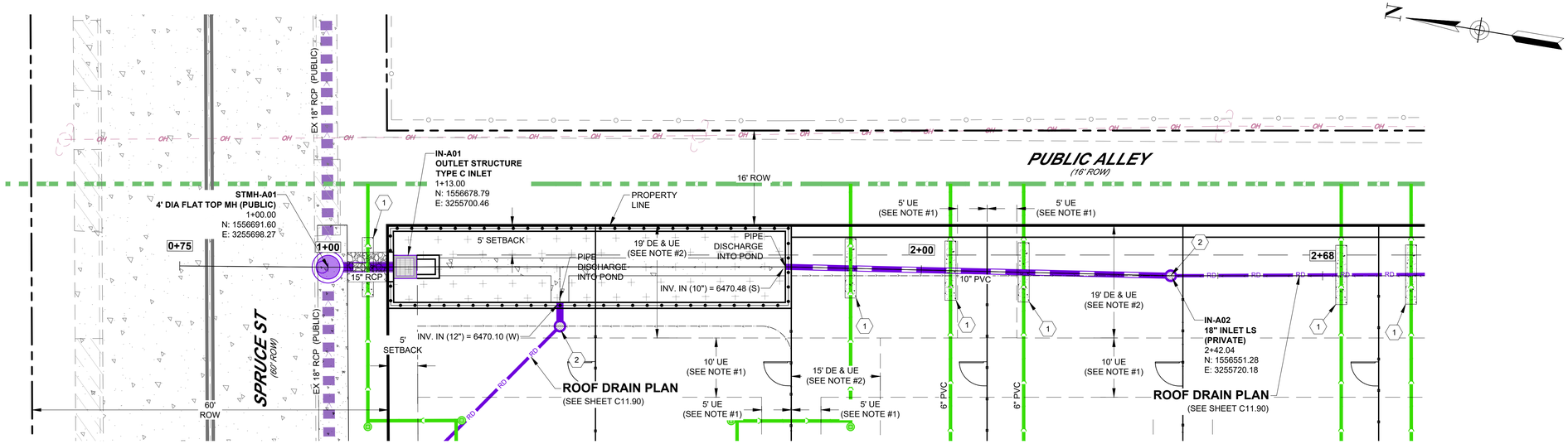
ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

SHEET NUMBER:

C8.50

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C8.50 - SANITARY SEWER DETAILS.dwg Plotted by: David Terron Date: 9/16/2024 9:37 AM



PLAN: STORM - LINE A

HORIZONTAL SCALE: 1" = 10'

PROFILE: STORM LINE A

HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 1'

KEY:

1. CONCRETE ENCASEMENT PER TOWN OF ELIZABETH DETAIL G3 AND G4
2. NYLOPLAST 18" ROUND DRAIN BASIN (MODEL NO. 2818AG18X) W/ BLACK ROUND GRATE COVER (PART NO. 1899CGS) IN CONCRETE COLLAR PER STD DETAIL (SEE SHEET C9.50)

NOTES:

1. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
2. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

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CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
PLAN AND PROFILE - STORM LINE A AND B

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

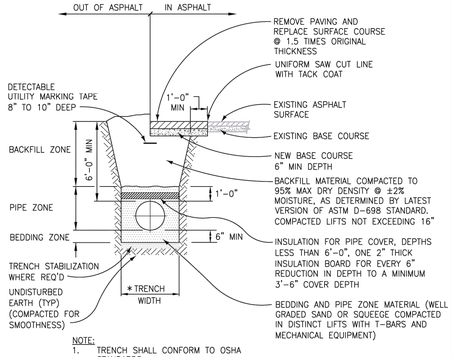
ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

1 .5 0
10 0 10
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 1'

SHEET NUMBER:
C9.10

Plotted by: David Terron Date: 9/16/2024 9:38 AM
File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C9.10 - STORM LINE A - PLAN AND PROFILE.dwg



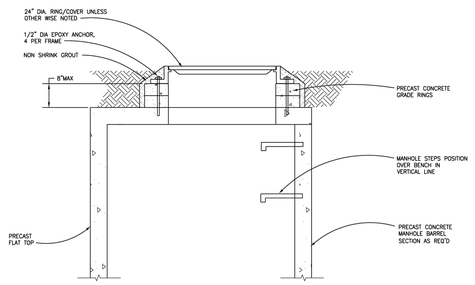
NOTE:
1. TRENCH SHALL CONFORM TO OSHA STANDARDS.

* MAXIMUM TRENCH WIDTH = 24" + NORMAL PIPE DIAMETER

TOWN OF ELIZABETH

SEWER PIPE TRENCH

SCALE: NTS | DATE: JUNE 2011 | LAST REVISED: JUNE 2011 | WATER AND SEWER STANDARDS | **S1**

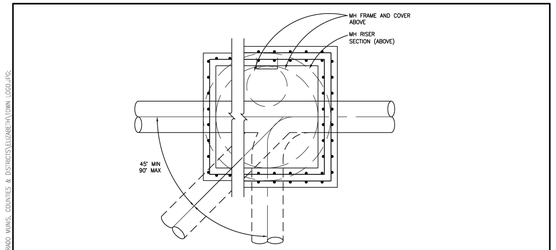


NOTES:
1. PRECAST SECTIONS TO CONFORM TO ASTM-C-478.
2. RING/COVER AND GRADE RINGS TO BE SET ON FULL BED OF MORTAR.

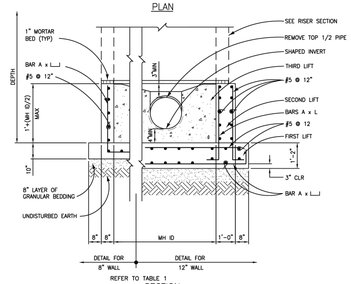
TOWN OF ELIZABETH

FLAT TOP MANHOLES

SCALE: NTS | DATE: JUNE 2011 | LAST REVISED: JUNE 2011 | WATER AND SEWER STANDARDS | **S4**



PLAN



REFER TO TABLE 1

SECTION

TABLE 1

MANHOLE RISER SECTION DIA	DEPTH BELOW FINISHED GRADE	REQD WALL	BARS A
4' ID	0 TO 8'	8"	#5 @ 12"
	8' TO 10'	8"	#5 @ 6"
	10' TO 20'	12"	#5 @ 12"
5' ID	0 TO 6'	8"	#5 @ 12"
	6' TO 10'	8"	#5 @ 6"
	10' TO 15'	12"	#5 @ 12"
	15' TO 20'	12"	#5 @ 6"
	0 TO 6'	8"	#5 @ 12"
6' ID	6' TO 10'	8"	#5 @ 6"
	10' TO 20'	12"	#5 @ 12"
	0 TO 6'	12"	#5 @ 6"
7' ID	0 TO 6'	12"	#5 @ 12"
	6' TO 9'	12"	#5 @ 6"
	9' TO 12'	12"	#5 @ 12"
	12' TO 20'	12"	#5 @ 6"

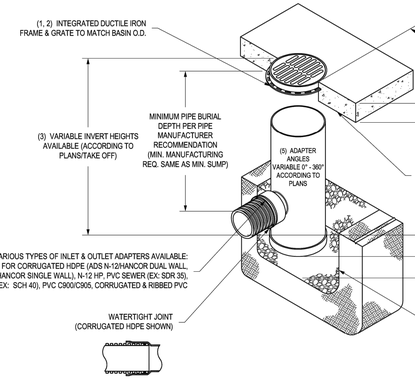
* MINIMUM CONCRETE COVER OVER BARS SHALL BE 2" UNLESS NOTED OTHERWISE

TOWN OF ELIZABETH

CAST-IN-PLACE MANHOLE BASE

SCALE: NTS | DATE: JUNE 2011 | LAST REVISED: JUNE 2011 | WATER AND SEWER STANDARDS | **S5**

NYLOPLAST 18" DRAIN BASIN: 2818AG _ _ X



GRATE OPTIONS	LOAD RATING	PART #	DRAWING #
PEDESTRIAN	MEETS H-10	1899CGP	7001-110-212
STANDARD	MEETS H-20	1868CGS	7001-110-213
SOLID COVER	MEETS H-20	1869CGC	7001-110-214
DOME	N/A	1869CGD	7001-110-215
DROP IN GRATE	LIGHT DUTY	1801DI	7001-110-074

1 - GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-60-05.
2 - FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-60-05.
3 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065.
4 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL), N-12 HP, & PVC SEWER.
5 - ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.

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DRAWN BY: EBC | DATE: 04-03-06 | MATERIAL | REVISED BY: NMH | DATE: 03-14-16 | PROJECT NO./NAME | DWG SIZE: A | SCALE: 1:30 | SHEET: 1 OF 1

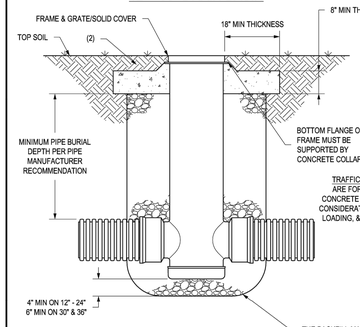
ADS Nyloplast
3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

TITLE: 18 IN DRAIN BASIN QUICK SPEC INSTALLATION DETAIL

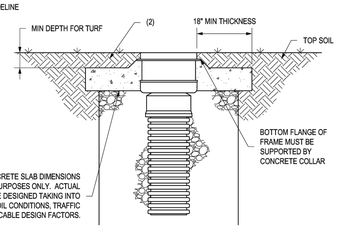
DWG NO. 7001-110-191 | REV E

NYLOPLAST TURF TRAFFIC INSTALLATION

12" - 36" DRAIN BASIN



12" - 30" INLINE DRAIN



1. GRATES/SOLID COVERS SHALL MEET H-20 LOAD RATING FOR 30" PEDESTRIAN & 12" - 30" STANDARD & SOLID
2. DESIGN SHOULD ACCOUNT FOR ROOT DEPTH TO ALLOW TURF TO GROW AND PREVENT EROSION AROUND GRATE SO THAT HAZARDS DO NOT FORM.
3. 30" DRAIN BASIN REQUIRES 36"x30" REDUCING CONE. REDUCING CONE REQUIRES 2.25FT MINIMUM FROM GRADE TO TOP OF PIPE.

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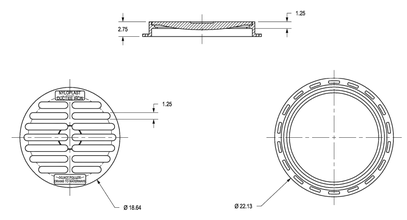
ADS Nyloplast
3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

TITLE: DRAIN BASIN & INLINE DRAIN TURF TRAFFIC INSTALLATION

DWG NO. 7001-110-340 | REV G

1899CGS

APPROX. DRAIN AREA = 116.72 SQ IN
APPROX. WEIGHT WITH FRAME = 68.50 LBS



DIMENSIONS ARE FOR REFERENCE ONLY
ACTUAL DIMENSIONS MAY VARY
DIMENSIONS ARE IN INCHES
GRATE MEETS H-20 LOAD RATING
QUALITY: MATERIALS SHALL CONFORM TO ASTM A536 GRADE 70-50-05
PAINT: CASTINGS ARE FURNISHED WITH A BLACK PAINT
LOCKING DEVICE AVAILABLE UPON REQUEST SEE DRAWING NO. 7001-110-029

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DRAWN BY: EBC | DATE: 03-09-06 | MATERIAL: DUCTILE IRON | REVISED BY: CCA | DATE: 08-30-13 | PROJECT NO./NAME | DWG SIZE: A | SCALE: 1:10 | SHEET: 1 OF 1

ADS Nyloplast
3130 VERONA AVE
BUFORD, GA 30518
PHN (770) 932-2443
FAX (770) 932-2490
www.nyloplast-us.com

TITLE: 18 IN STANDARD GRATE ASSEMBLY - TYPE C

DWG NO. 7001-110-213 | REV D

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ROTH LANG ENGINEERING GROUP LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
STORM SEWER DETAILS

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

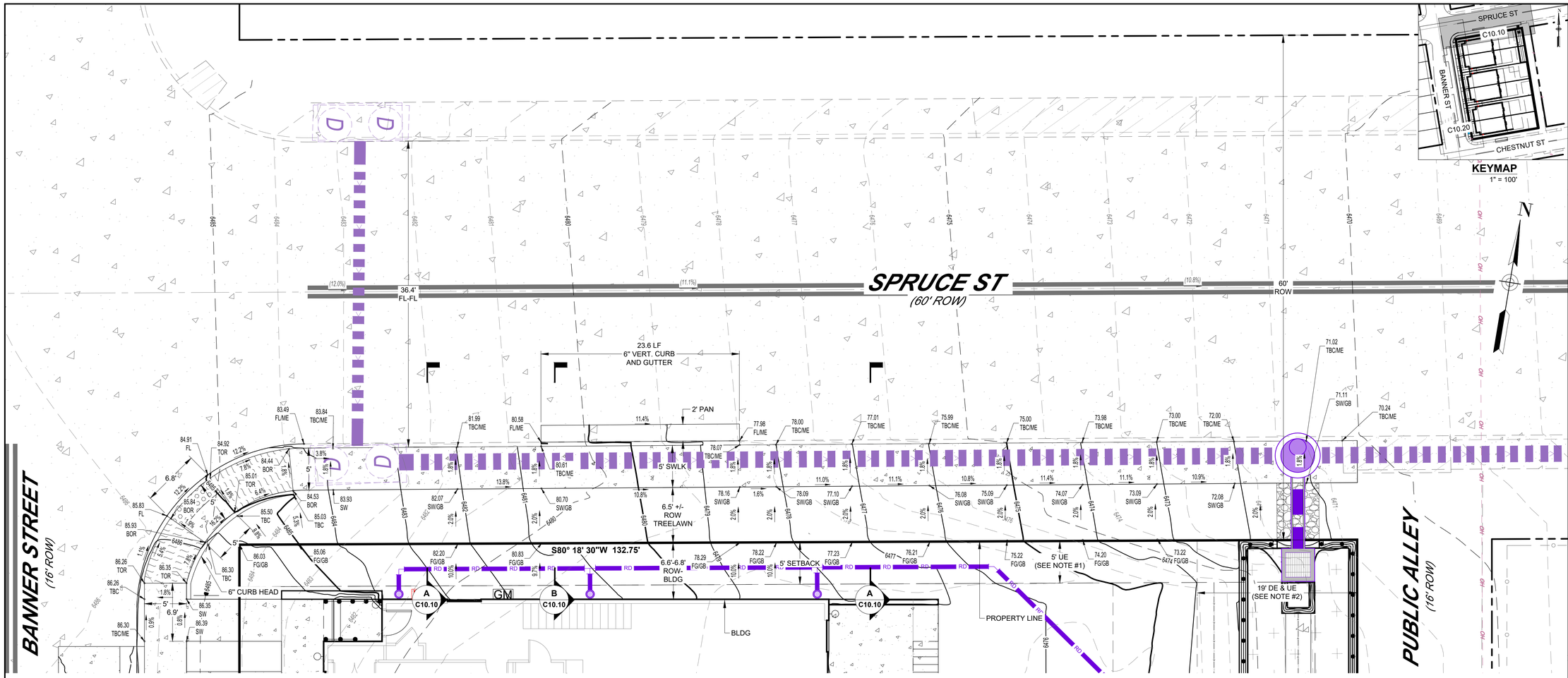
ISSUE DATE: 09/16/24

DATE	REVISIONS	BY

DESIGNED BY: DRT
DRAWN BY: DRT
JOB NUMBER: 240104

SHEET NUMBER:
C9.50

File Name: S:_Projects\240104 - Banner Paired Homes\CAD\Sheet Sets\CD's\C9.50 - STORM SEWER DETAILS.dwg
Plotted by: David Terron Date: 9/16/2024 9:39 AM

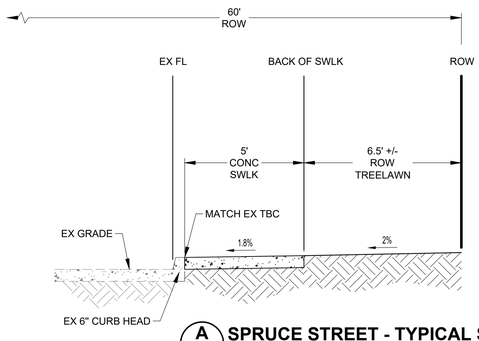


GRADING PLAN - SPRUCE STREET

SCALE: 1" = 6'

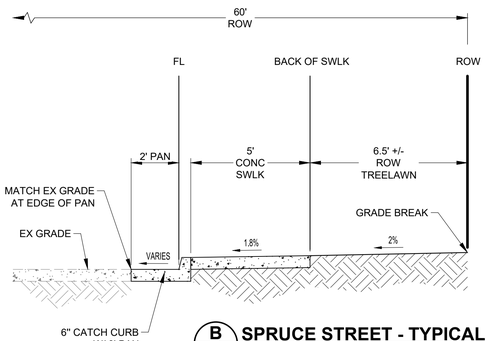
NOTES:

1. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
2. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.



A C10.10 **SPRUCE STREET - TYPICAL SECTION**

SCALE



B C10.10 **SPRUCE STREET - TYPICAL SECTION**

SCALE

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

GRADING PLAN - SPRUCE STREET

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

DATE	REVISIONS	BY

ISSUE DATE: 09/16/24

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

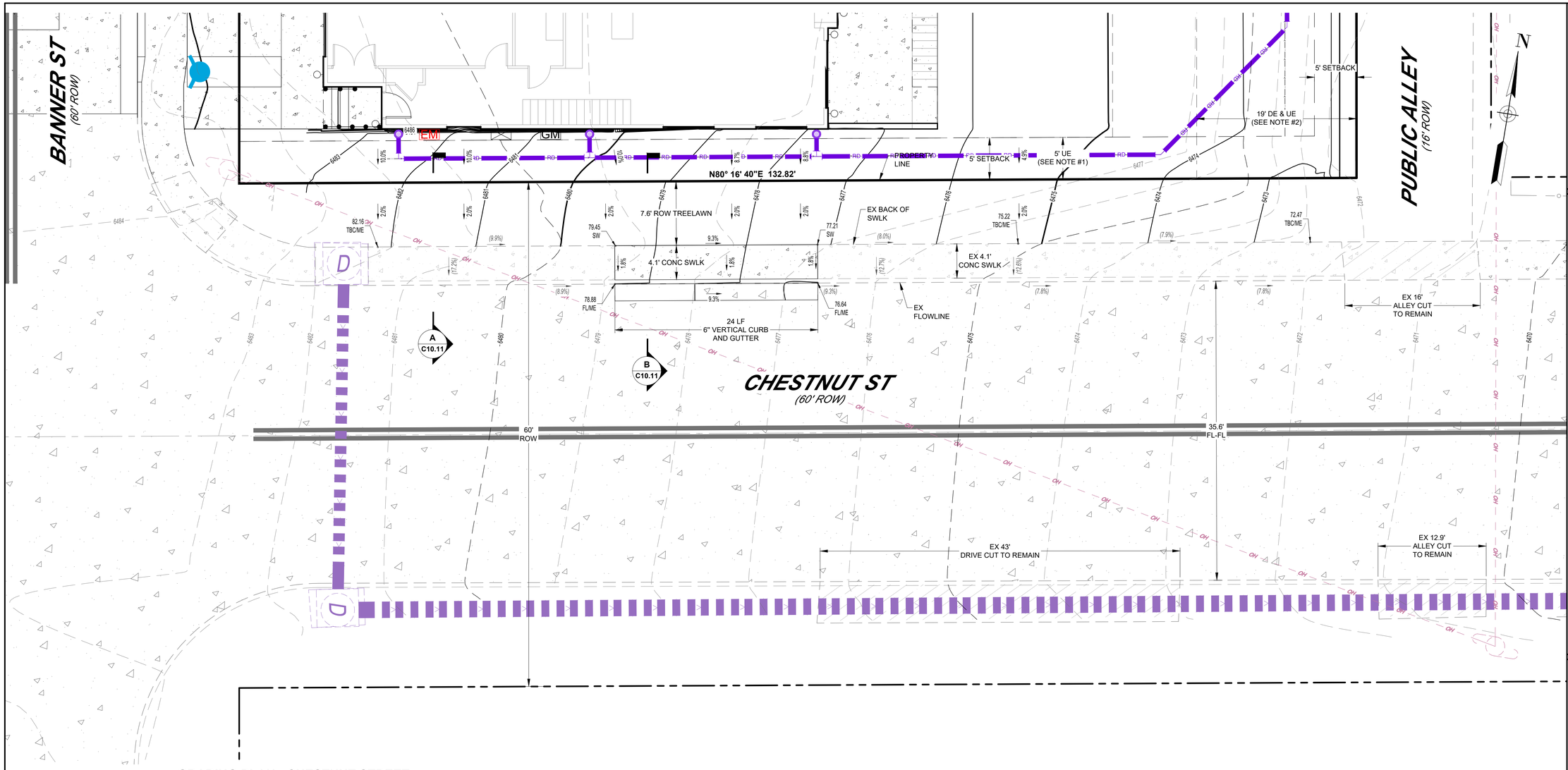
6 0 6

HORIZONTAL SCALE: 1" = 6'

SHEET NUMBER:

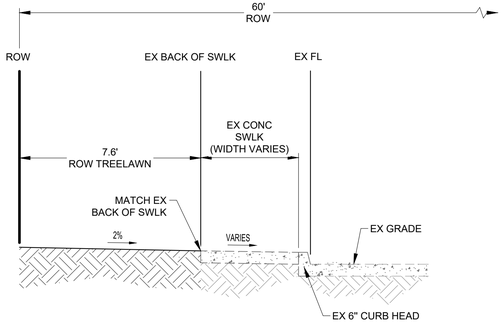
C10.10

Plotted by: David Terron Date: 9/16/2024 9:41 AM
File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C10.10 - GRADING PLAN - SPRUCE STREET.dwg



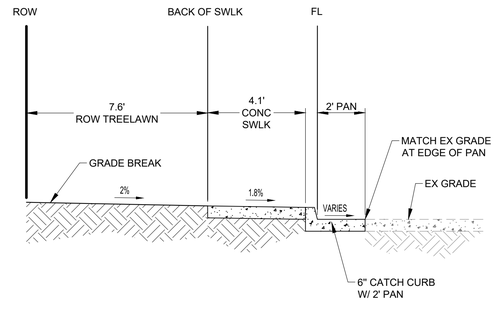
GRADING PLAN - CHESTNUT STREET

SCALE: 1" = 6'



A C10.11 CHESTNUT STREET - TYPICAL SECTION

SCALE



B C10.11 CHESTNUT STREET - TYPICAL SECTION

SCALE

NOTES:

1. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
2. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

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CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
GRADING PLAN - CHESTNUT STREET
LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

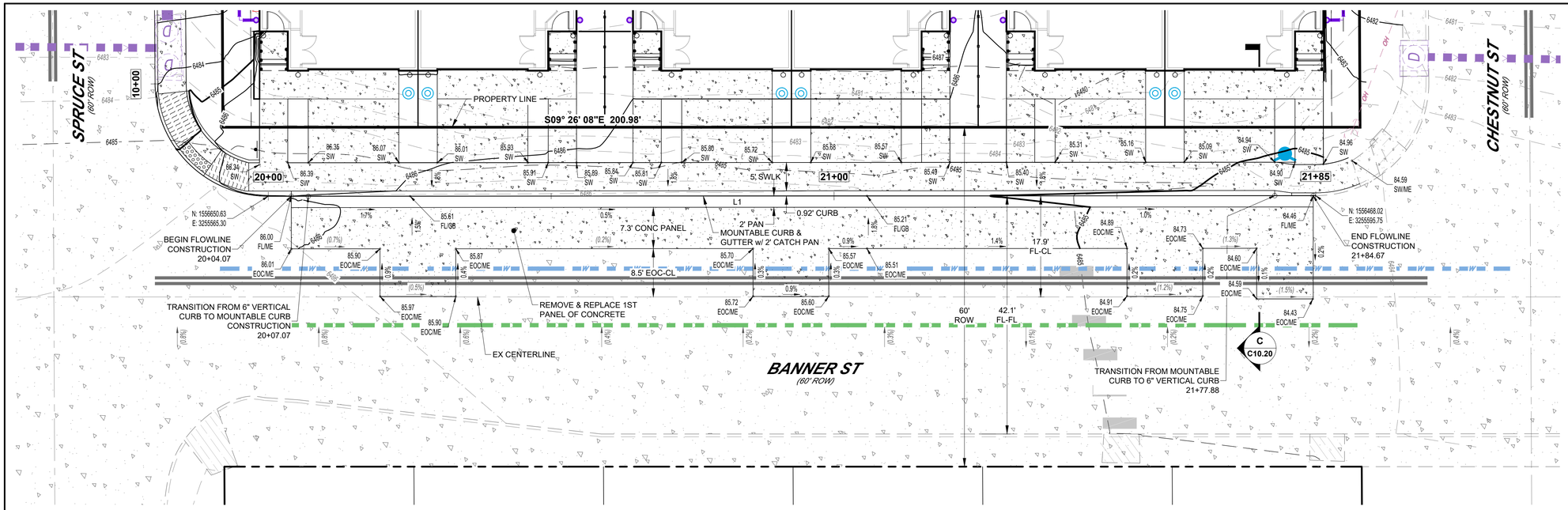
ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

6 0 6
HORIZONTAL SCALE: 1" = 6'

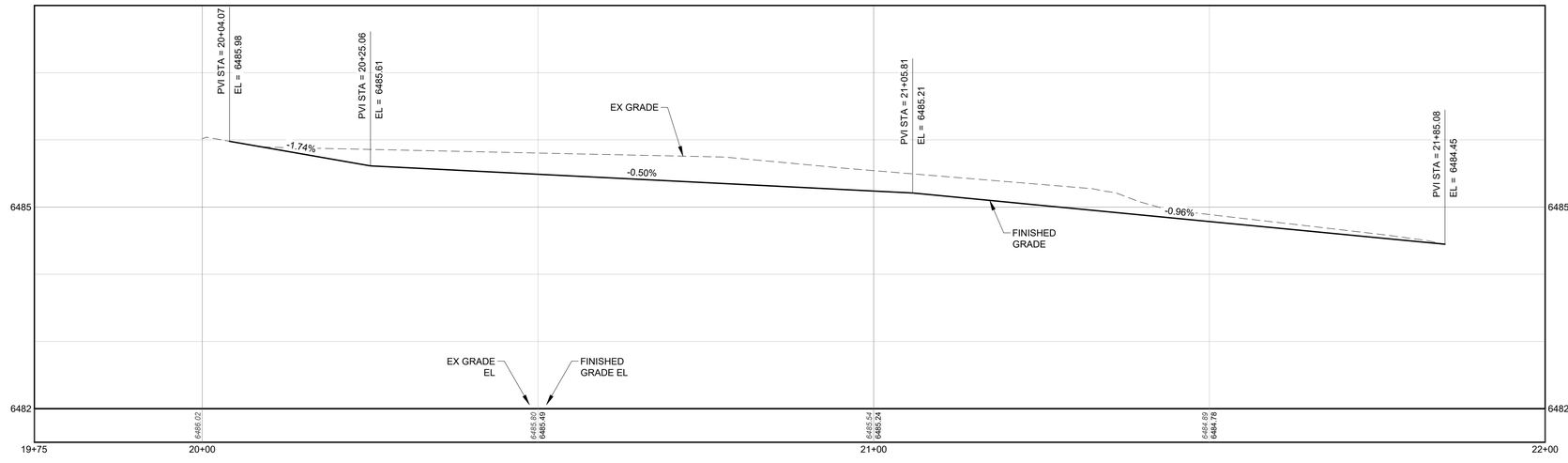
SHEET NUMBER:
C10.11

Plotted by: David Terron Date: 9/16/2024 9:41 AM
File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C10.10 - GRADING PLAN - SPRUCE STREET.dwg



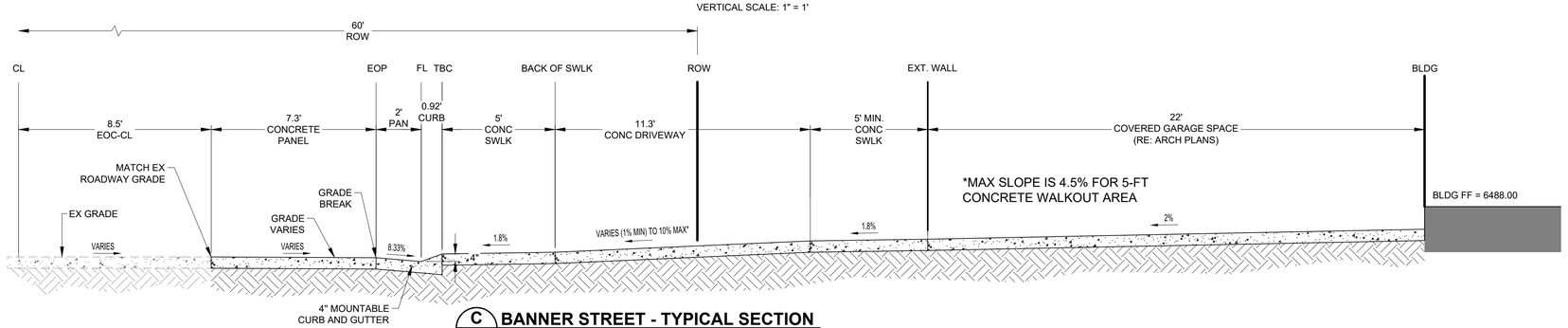
PLAN: BANNER STREET - FLOWLINE

HORIZONTAL SCALE: 1" = 10'



PROFILE: BANNER ST - FLOWLINE

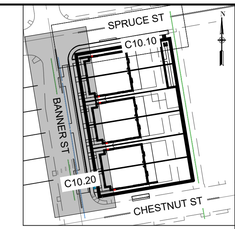
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 1'



C10.20 BANNER STREET - TYPICAL SECTION

SCALE: 1" = 3'

FLOWLINE LINE TABLE		
LINE	LENGTH	DIRECTION
L1	185.12	S09° 27' 59"E



KEYMAP
1" = 100'

HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 1'

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6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

ROADWAY PLAN & PROFILE - BANNER STREET

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

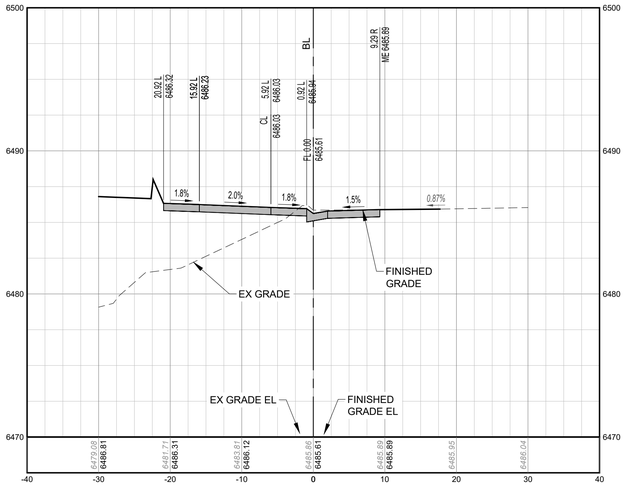
ISSUE DATE: 09/16/24		
DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

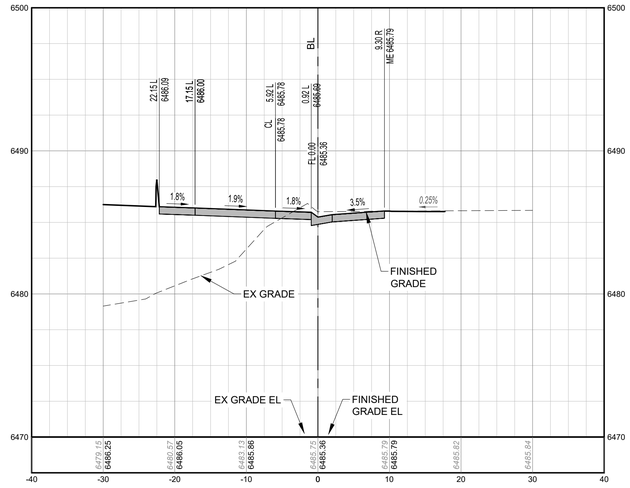
SHEET NUMBER:
C10.20

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C10.20 - ROADWAY PLAN & PROFILE - BANNER STREET.dwg Plotted by: David Terron Date: 9/16/2024 9:42 AM

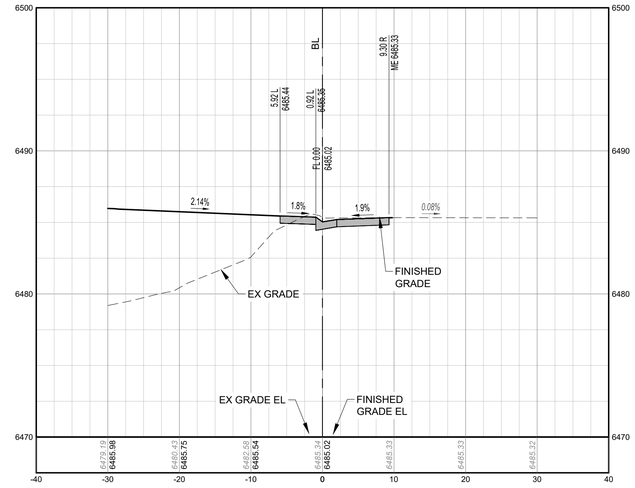
BANNER ST - FLOWLINE
20+25



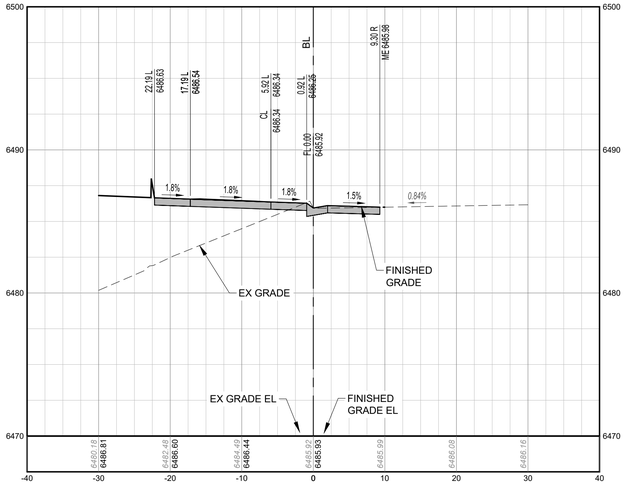
BANNER ST - FLOWLINE
20+75



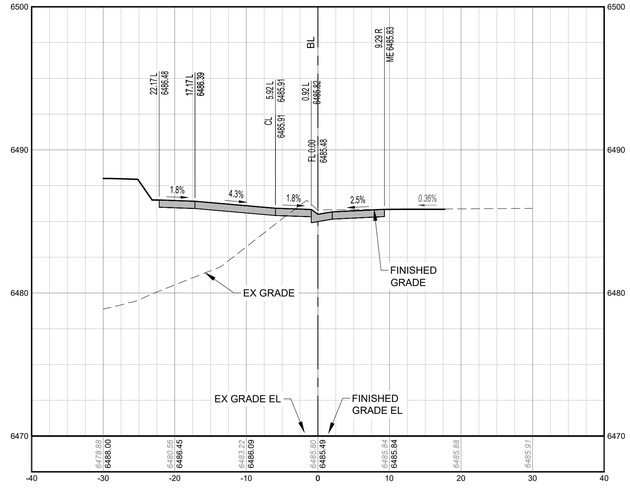
BANNER ST - FLOWLINE
21+25



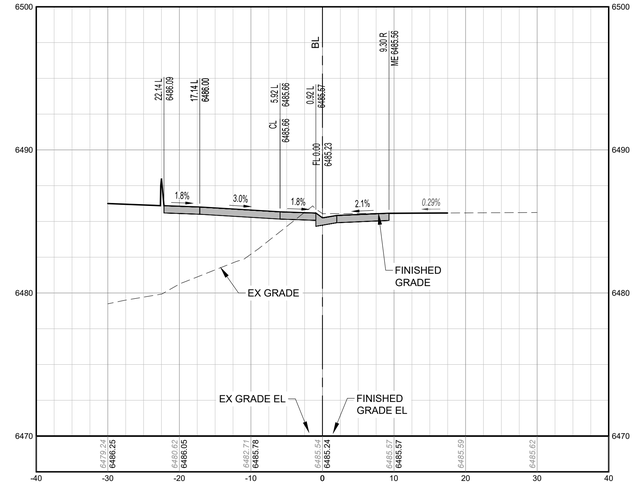
BANNER ST - FLOWLINE
20+07



BANNER ST - FLOWLINE
20+50



BANNER ST - FLOWLINE
21+00



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ROTH LANG ENGINEERING GROUP LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

CROSS SECTIONS - BANNER ST

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

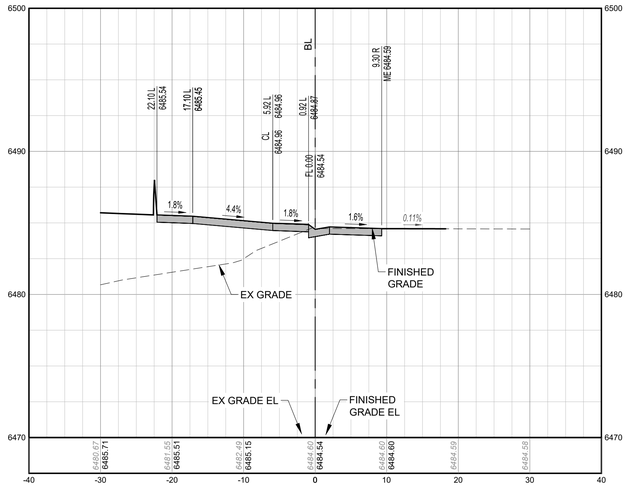
5
2.5
0
10 0 10
HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 5'

SHEET NUMBER:

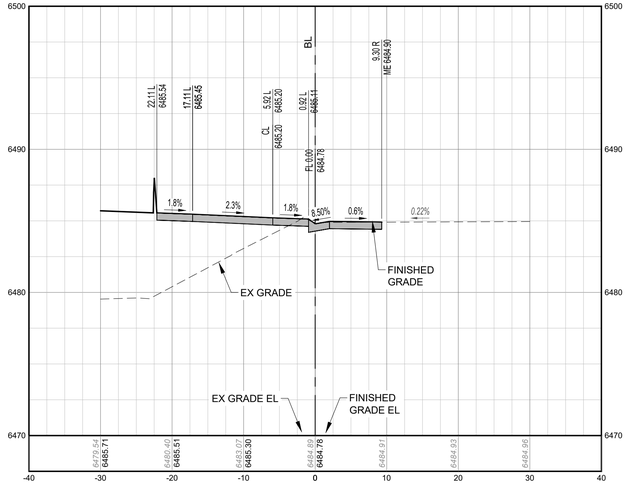
C10.40

File Name: S:_Projects\240104 - Banner Paired Homes\CAD\Sheet Sets\CD's\C10.40 - C10.41 - CROSS SECTIONS - BANNER ST.dwg
Plotted by: David Terron Date: 9/16/2024 9:43 AM

BANNER ST - FLOWLINE
21+75



BANNER ST - FLOWLINE
21+50



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6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

CROSS SECTIONS - BANNER ST

PREPARED FOR:

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

ISSUE DATE: 09/16/24

DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

5
2.5
0

10 0 10

HORIZONTAL SCALE: 1" = 10'
VERTICAL SCALE: 1" = 5'

SHEET NUMBER:

C10.41

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\C0's\C10.40 - C10.41 - CROSS SECTIONS - BANNER ST.dwg
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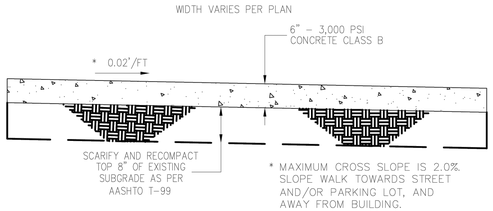
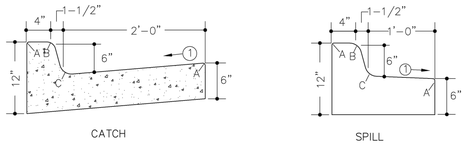


SIDEWALK DETAIL

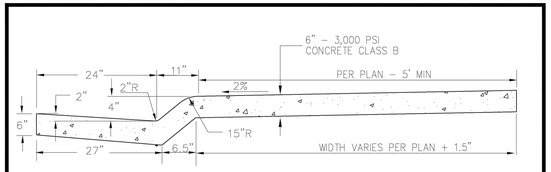


CATCH SPILL

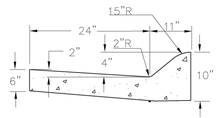
CURB DETAIL LEGEND	
A	RADIUS = 1/8"
B	RADIUS = 1-1/2"
C	RADIUS = 1-1/2" – 2"
1	CROSS SLOPE SHALL BE 1/2" PER FOOT WHEN DRAINING AWAY FROM CURB, AND 1" PER FOOT WHEN DRAINING TOWARD THE CURB

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

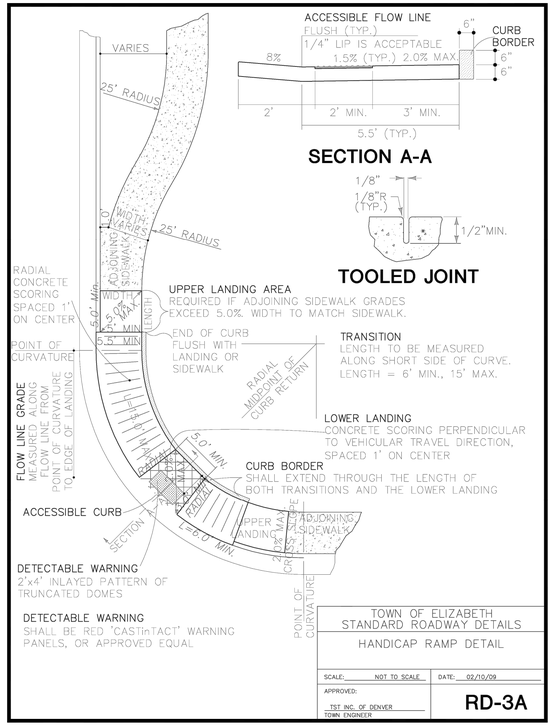


LOCAL MOUNTABLE CURB & GUTTER

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



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.

LONGTITUDINAL 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%) LONGTITUDINAL 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:

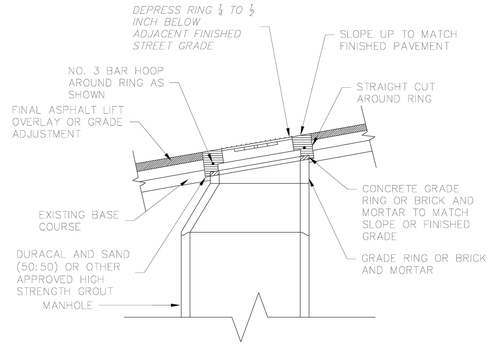
A. THE ADJOINING SIDEWALK HAS A LONGTITUDINAL GRADE (DIRECTION OF TRAVEL) IN EXCESS OF 1:20 (5.0%). SAID LANDING SHALL NOT EXCEED A 1:20 (5.0%) SLOPE IN ANY DIRECTION.
B. A CHANGE IN DIRECTION IS REQUIRED TO ENTER OF EXIT THE SLOPED TRANSITION. SAID LANDING SHALL SHALL NOT EXCEED 1:50 (2.0%) SLOPE IN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



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 COMIBINATION 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

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6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
STREET DETAILS

PREPARED FOR:
LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

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SHEET NUMBER:
C10.50

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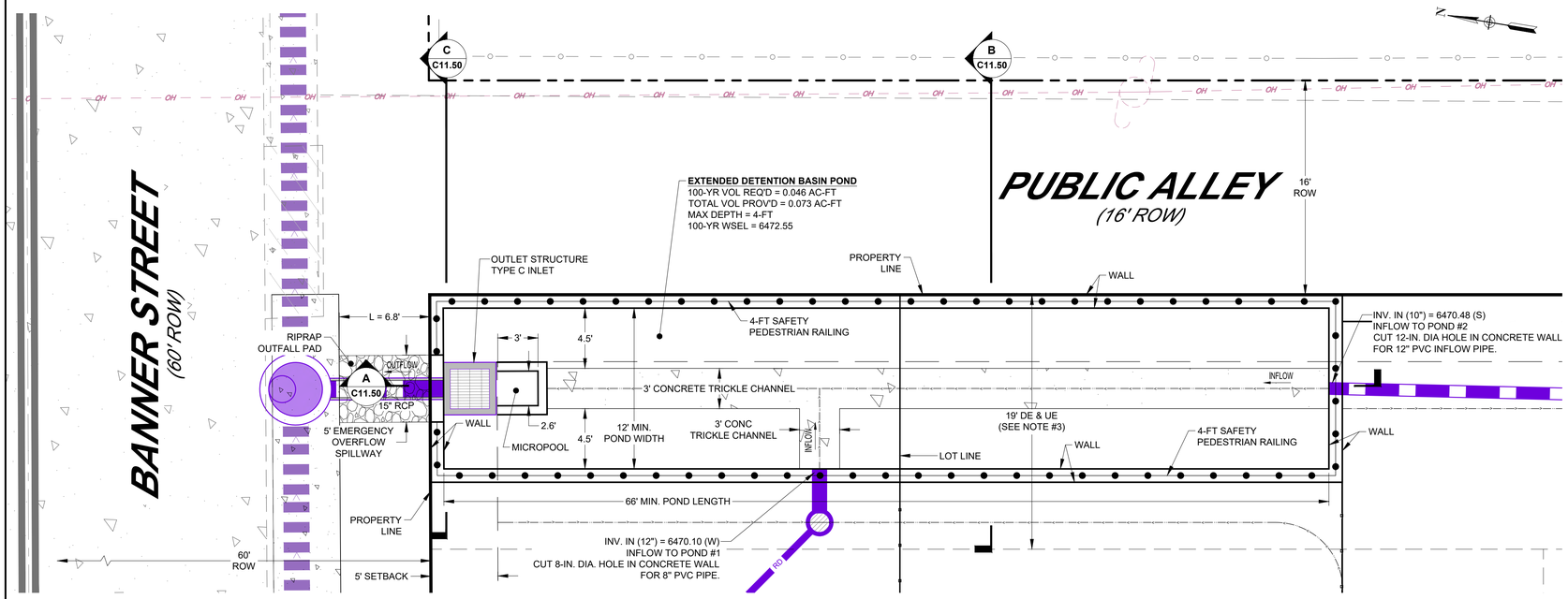
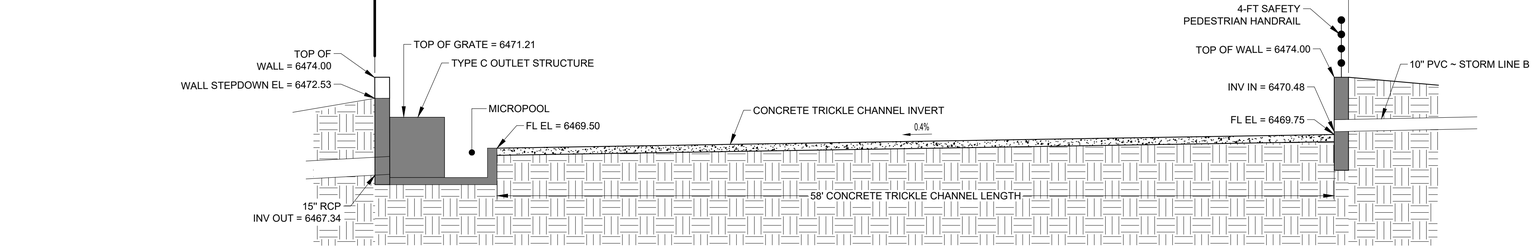


PLAN: DETENTION POND DETAIL

HORIZONTAL SCALE: 1" = 5'



A C11.50 PROFILE: DETENTION POND DETAIL

SCALE: 1" = 5'

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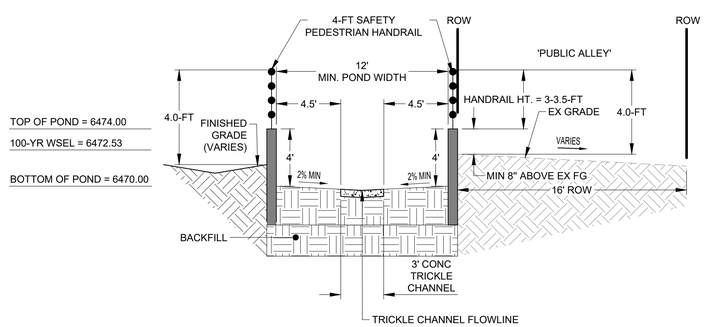
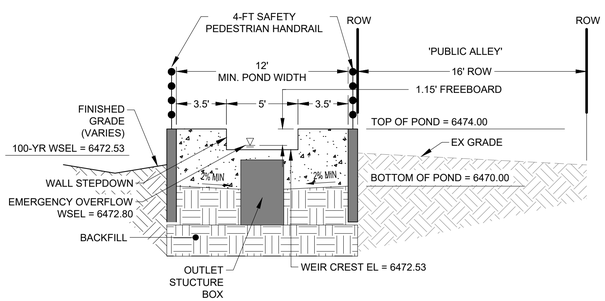


B C11.50 TYPICAL EDB POND SECTION

SCALE: 1" = 5'



C C11.50 EMERGENCY OVERFLOW SPILLWAY

SCALE: 1" = 5'

NOTES:

1. STRUCTURAL DESIGN IS REQUIRED FOR POND RETAINING WALLS AND WILL BE PROVIDED TO THE BLDG DEPT, AT OR PRIOR TO THE TIME OF BLDG PERMIT APPLICATION. THE WALL ALONG THE ALLEY MAY BE SUBJECT TO TRAFFIC LOADS.
2. POND TO BE LOCATED IN A DRAINAGE AND UTILITY EASEMENT AND MAINTAINED BY OWNERS OF LOTS 7-12.
3. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

ROTH LANG ENGINEERING GROUP LLC
6855 S. HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
DETENTION POND

PREPARED FOR:
LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

DATE	REVISIONS	BY

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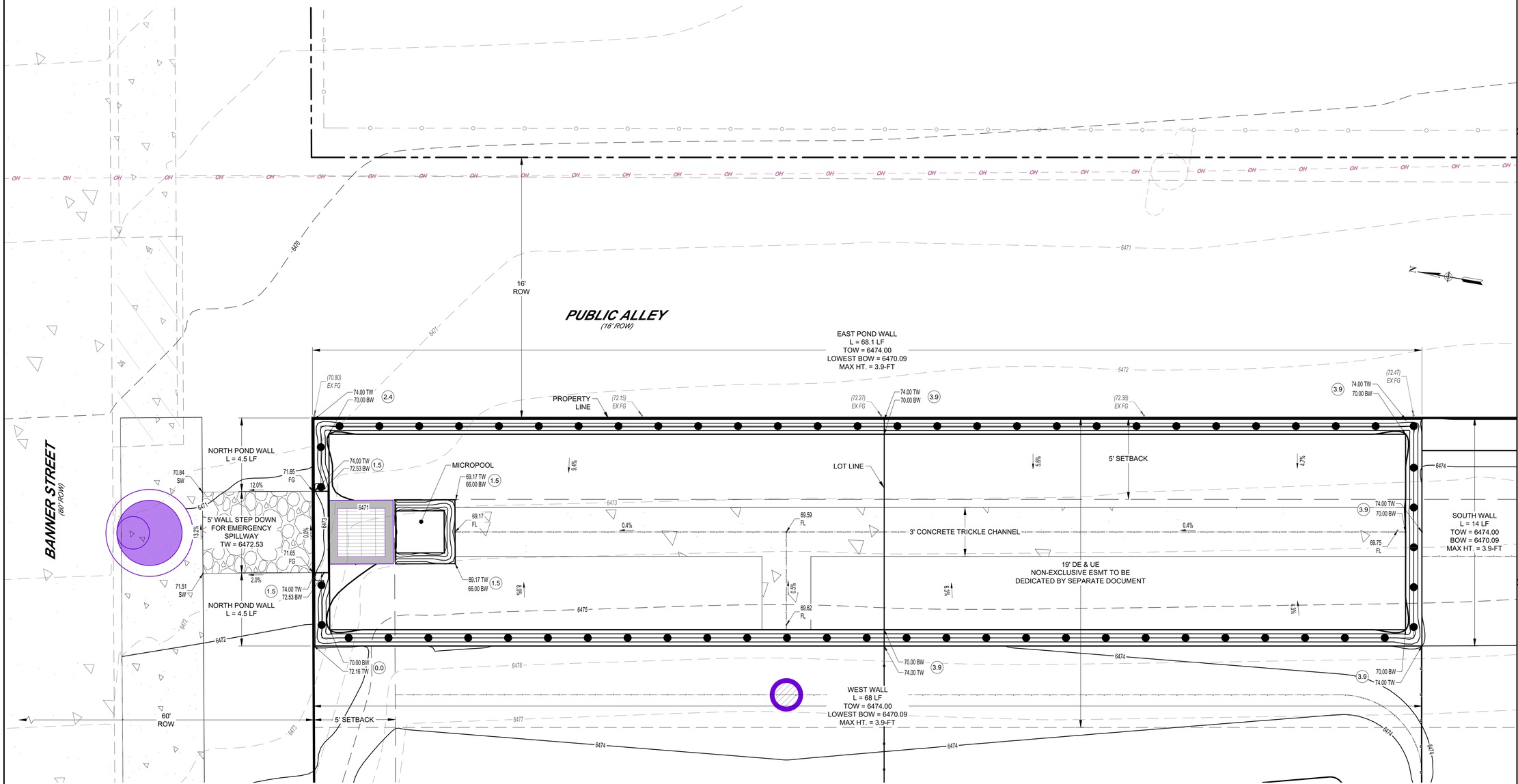

PLAN: DETENTION POND GRADING AND WALL PLAN

HORIZONTAL SCALE: 1" = 3'

NOTES:

1. STRUCTURAL DESIGN IS REQUIRED FOR POND RETAINING WALLS AND WILL BE PROVIDED TO THE BLDG DEPT, AT OR PRIOR TO THE TIME OF BLDG PERMIT APPLICATION. THE WALL ALONG THE ALLEY MAY BE SUBJECT TO TRAFFIC LOADS.
2. POND TO BE LOCATED IN A DRAINAGE AND UTILITY EASEMENT AND MAINTAINED BY OWNERS OF LOTS 7-12.

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BANNER PAIRED HOMES
CONSTRUCTION PLANS
DETENTION POND GRADING AND WALL PLAN
LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

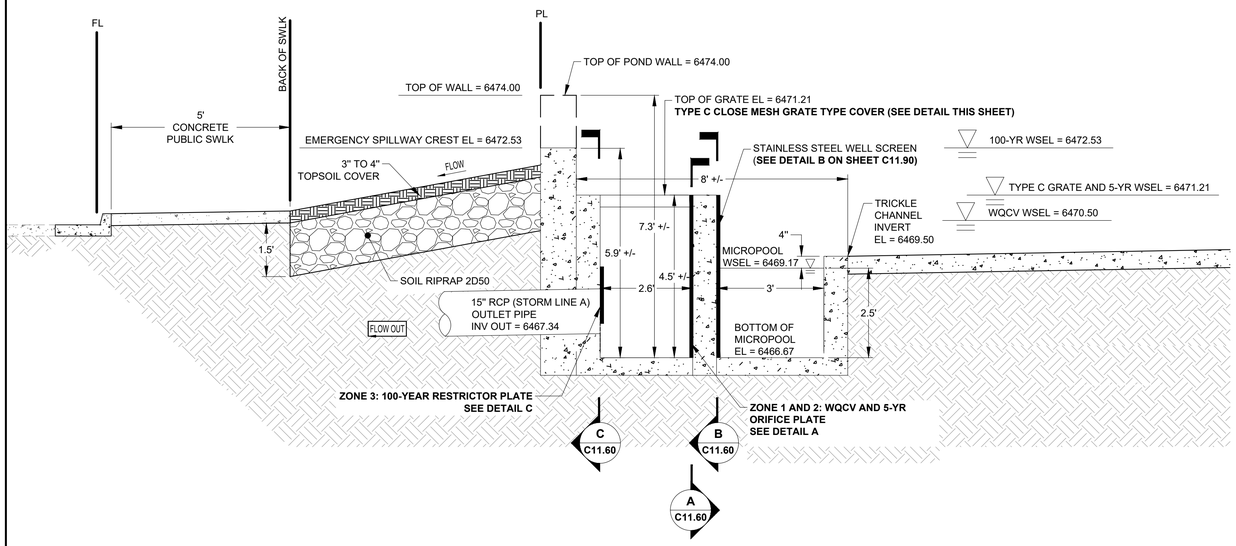
ISSUE DATE: 09/16/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

3 0 3
HORIZONTAL SCALE: 1" = 3'

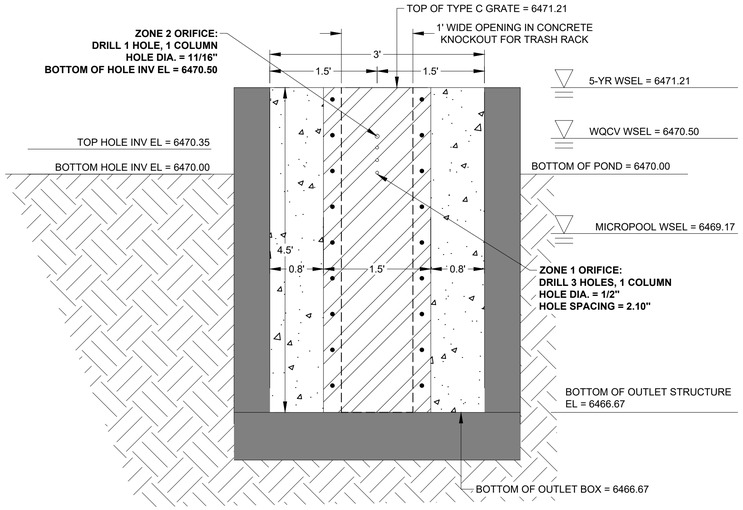
SHEET NUMBER:
C11.51

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C11.51 - DETENTION POND GRADING AND WALL PLAN.dwg Plotted by: David Terron Date: 9/16/2024 9:47 AM



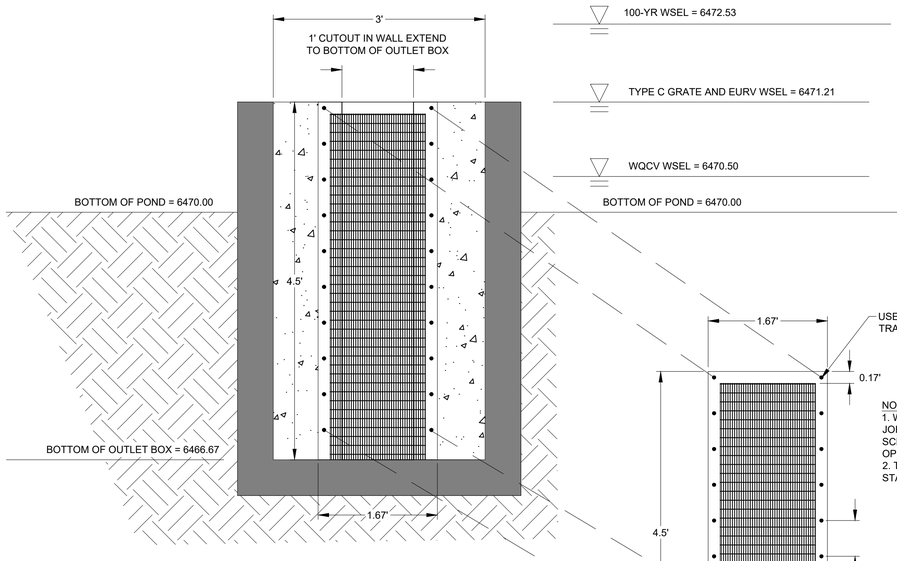
PROFILE: DETENTION VAULT OUTLET STRUCTURE (WEST FACE)

SCALE: 1" = 2'



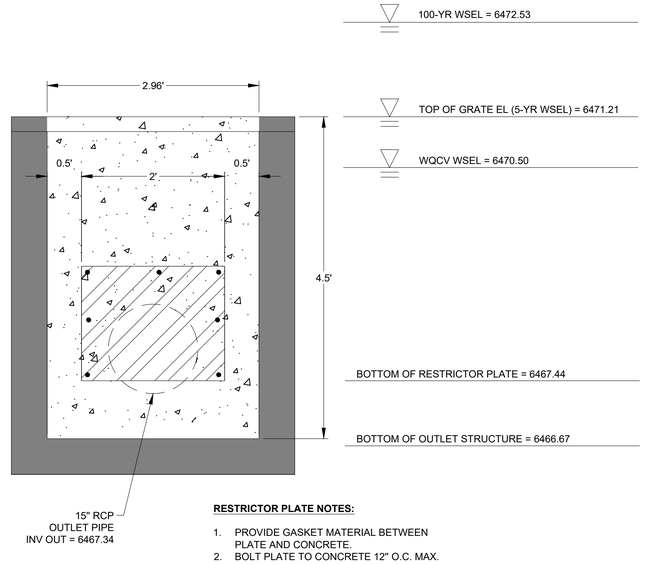
A - PROFILE: WQCV (ZONE 1) AND 5-YR (ZONE 2) ORIFICE PLATE

SCALE: 1" = 2'



B - PROFILE: WELL TRASH SCREEN DETAIL

SCALE: 1" = 2'

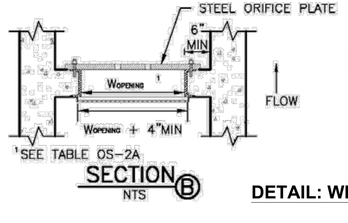


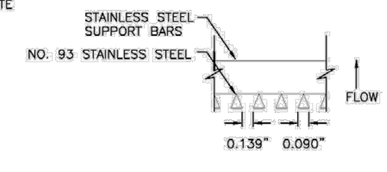
RESTRICTOR PLATE NOTES:

1. PROVIDE GASKET MATERIAL BETWEEN PLATE AND CONCRETE.
2. BOLT PLATE TO CONCRETE 12" O.C. MAX.

C - 100-YR RESTRICTOR PLATE DETAIL

SCALE: 1" = 1'





DETAIL: TYPE C OUTLET CLOSE MESH GRATE

SCALE: NTS

DETAIL: WELL SCREEN TRASH RACK DETAIL

SCALE: NTS

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CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
OUTLET STRUCTURE DETAILS

PREPARED FOR:
LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

DATE	REVISIONS	BY

ISSUE DATE: 09/16/24

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

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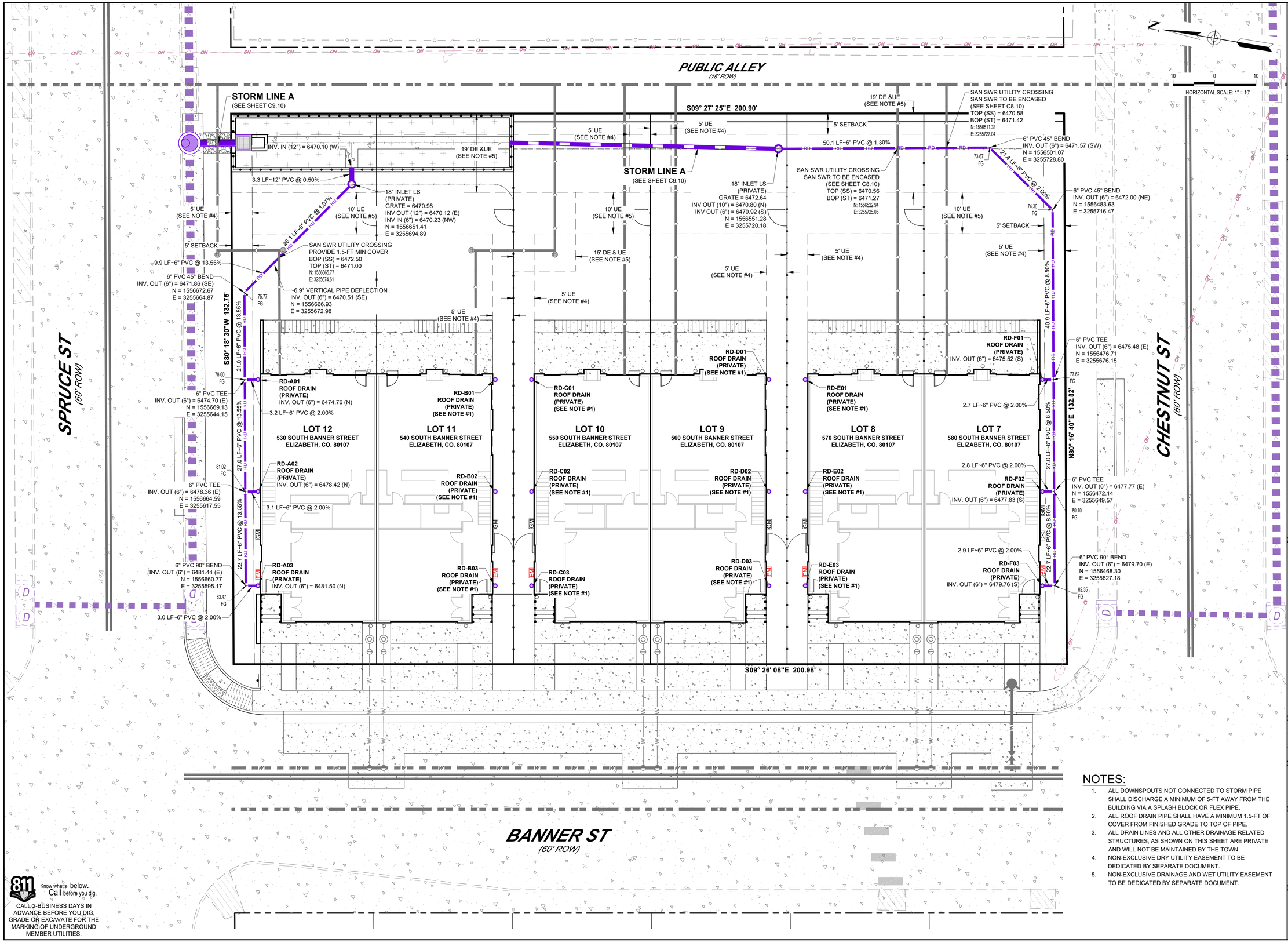

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CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

NOTES:

1. ALL DOWNSPOUTS NOT CONNECTED TO STORM PIPE SHALL DISCHARGE A MINIMUM OF 5-FT AWAY FROM THE BUILDING VIA A SPLASH BLOCK OR FLEX PIPE.
2. ALL ROOF DRAIN PIPE SHALL HAVE A MINIMUM 1.5-FT OF COVER FROM FINISHED GRADE TO TOP OF PIPE.
3. ALL DRAIN LINES AND ALL OTHER DRAINAGE RELATED STRUCTURES, AS SHOWN ON THIS SHEET ARE PRIVATE AND WILL NOT BE MAINTAINED BY THE TOWN.
4. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
5. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

ROOF DRAIN PLAN

PREPARED FOR:

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

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STANDARD FORM SF-2 (Continued)
FINAL DRAINAGE REPORT SUBMITTAL CHECKLIST

SUBDIVISION: Banner Paired Homes
LOCATION: 530, 540, 550, 560, 570, 580 Banner Street, Elizabeth, CO 80107

ITEM	DESCRIPTION	RECEIVED OR NOT APPLICABLE	TO BE SUBMITTED
PLAN (DRAWING)			
3.2(a)	General Location Map	X	
3.2(b)	Flood Plain Information	X	
3.2(c)	Drainage Plan Scale and Sheet Size	X	
3.2(c)1.	Existing Contours	X	
3.2(c)1.	Proposed Contours	X	
3.2(c)2.	Existing and Proposed Vegetation	X	
3.2(c)3.	Existing Wetlands Areas	X	
3.2(c)4.	Property Lines and Easements	X	
3.2(c)5.	Building Outlines and First Floor Elevations	X	
3.2(c)6.	Streets, ROWs, Curb Type, Sidewalks	X	
3.2(c)7.	Proposed Street Flow	X	
3.2(c)8.	Existing Drainage Facilities and Structures	X	
3.2(c)9.	Drainage Basin Boundaries and Sub-Boundaries	X	
3.2(c)10.	Proposed Storm Sewers	X	
3.2(c)11	Proposed Structural Water-Quality BMPs	X	
3.2(c)12.	Outfall Point/Downstream Conveyance	X	
3.2(c)13	Initial Storm Runoff, Table 1 Format	X	
3.2(c)14.	Major Storm Runoff, Table 1 Format	X	
3.2(c)15.	Detention/Water-Quality Volumes	X	
3.2(c)16.	Detention Storage/Water-Quality Facility Information	X	
3.2(c)17.	Floodplains	X	
3.2(c)18.	Locations and Elevations of Affected Utilities	X	
3.2(c)19.	Offsite Drainage Flow Routing Through Project	X	
3.2(c)20.	Legend/Map Symbols	X	
3.2(c)21.	Project Name, Address, Seal, Revision Dates	X	
3.2(c)22.	North Arrow, Scale, Bench Mark Information	X	

ADDITIONAL REVIEW NOTES:

FINAL DRAINAGE REPORT

BANNER PAIRED HOMES

530, 540, 550, 560, 570, 580 BANNER STREET
ELIZABETH, CO 80107

Prepared for:

Owner/Developer:
LG Designs & Construction, LLC
188 Sandy Hollow Trail
Franktown, CO 80106

Prepared by:

6855 S. Havana St., Suite 600
Centennial, CO 80112
(303) 841-9365
Kevin Roth, P.E
David Terron, P.E.

Submittal Date:
September 13, 2024

RLEG NO. 240104

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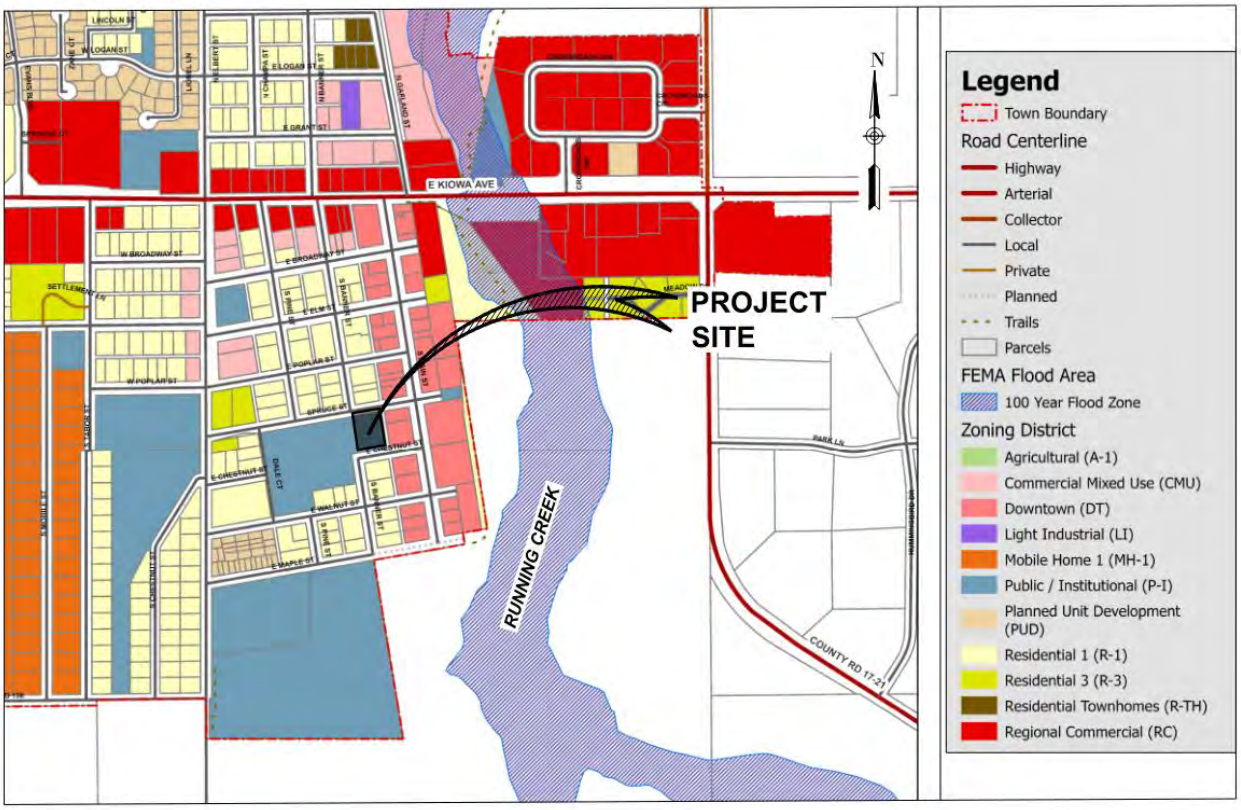
INTRODUCTION

The purpose of this report is to provide the Final Drainage analysis for the Banner Paired Homes *(herein referred to as the Project)*. This report details the impacts to the drainage system from the proposed development of the Project and associated improvements regarding storm water runoff and compliance with the current Town of Elizabeth *(herein referred to as Town)* design criteria.



VICINITY MAP
SCALE 1" = 500'

I. GENERAL LOCATION AND DESCRIPTION

A. Location

The Project is located in the northeast quarter of Section 18, Township 8 South, Range 64 West of the 6th P.M. in the Town of Elizabeth, County of Elbert and State of Colorado. The property contains of Lots 7-12 of Block 18 of the Phillips Addition to the Town of Elizabeth Subdivision. The property contains 26,682 square feet (0.61 acres). There are no land dedications proposed for this site.

Local streets adjacent the site are: Spruce Street north of the project; South Banner Street to the west; a public alley to the east and E Chestnut Street to the south.

There are no major drainageways or facilities that exist on site. There are no existing easements or tracts on site.

Surrounding developments include the Frontier High School across Banner St to the west. And single-family residential homes to the north, south and east. The current zoning of the project is P-I (Public Institutional) and is to be rezoned as DT (Downtown).

B. Description of Property

The area of the project is 0.61 acres. The site is currently an overgrown asphalt parking lot. There are some medium to large trees on site and within the ROW that will be removed as part of the improvements. The parking lot area of the site slopes at 2-3%, whereas the edges of the site slope upwards of 3:1 to match the rapidly falling street topography of Spruce and Chestnut which fall at 10-11%. No major drainageways pass through the site. The site currently drains to the east to the public alley and out the curb cuts along Spruce and Chestnut St. No ditches or canals exist on site.

The proposed land use of the site is six (6) single family paired homes with driveways and backyards. The proposed ground cover will be typical of a single-family residential improvement. Each paired home will have 3 stories: 2nd floor, a main level and a walk out basement area and a lawn. Water and sewer services will serve each paired home. No wetland areas exist in the project area.

II. DRAINAGE BASINS AND SUB-BASINS

A. Major Basin Description

There are no known major drainageway planning studies for the project area. The project is not located within a flood hazard zone per the FEMA Firm Map (Appendix A) and is located in Zone X of no hazard. No lakes or ponds are to be impacted by the drainage improvements.

B. Sub-Basin Description

The historic drainage of the property flows undetained and untreated onto the public alley and out towards Spruce and Chestnut Street from the parking lot.

No offsite drainage flows onto the site as it is contained within the curb gutter along Banner and then routed west along Spruce and Chestnut. The existing curb cuts along Spruce and Chestnut will also be closed with improvements on this project.

III. DRAINAGE DESIGN CRITERIA

A. Regulations

The drainage design for the Project has been prepared following the regulations outlined in the Town of Elizabeth Storm Drainage Design and Technical Criteria Manual (SDDTC) referred to as the CRITERIA. The Town of Elizabeth has adopted regulations from the Mile High Flood District (MHFD) and Urban Drainage and Flood Control District (UDFCD) Urban Storm Drainage Criteria Manual referred to as the MANUAL.

B. Development Criteria Reference and Constraints

There are no referenced previous drainage studies for this project.

C. Hydrologic Criteria

Storm rainfall for the site was taken from the NOAA Atlas 14 point precipitation data tables. The return tables for the site are 5-year (initial storm) and 100-year (major storm) per Table 1 of the CRITERIA. Runoff calculation methods used are the Rational Method for both the initial and major storm events. Detention discharge and storage calculation methods used are per the MANUAL's outlines and formulas. The Mile High Flood District (MHFD) software resources was used to determine the total detention storage volume of each of the flood periods.

D. Hydraulic Criteria

No street capacity analysis was performed with this project. The Hydraflow Storm Sewers extension for Autodesk Civil 3D was used to calculate and profile the HGL's for the initial and major storms for the primary storm lines on site.

The detention outlet design method was calculated using the MANUAL's MHFD detention storage software.

E. Stormwater Quality Criteria

An outlet structure BMP is used inside the detention pond for stormwater quality control. An analysis of the water-quality swales used on site is provided in Appendix D.

IV. DRAINAGE FACILITY DESIGN

A. General Concept

All onsite drainage facilities including the pond, will be maintained by all the lot owners.

The proposed drainage concept for the site is capture of majority of onsite runoff and routing to the extended detention basin pond located along in Lot 11 and Lot 12. No offsite runoff enters the site.

Onsite stormwater quality is provided by the proposed landscaping, trees and grass lined swales on site to reduce erosion from the site.

The following is a description of sub-basins of the project that are tabulated in the appendices:

Basin A – consists of Unit A rooftop. Runoff is routed via 6-inch PVC storm pipe to an 18'' sump inlet at DP-1 low point. It is then discharged into the detention pond. Direct runoff for the 5-year and 100-year storm events is: Q5 = 0.12 cfs and Q100 = 0.27 cfs.

Basin B – consists of Unit B and C rooftop, Unit A and B concrete patio deck and yard. The rooftop runoff discharges into the grass-lined swale between Unit B and C. The swale then slopes east and is collected on the surface at DP-1 18'' sump inlet in a low point. The concrete patio and yard sheet flow into DP-1 also. Is then discharged into the detention pond. Direct runoff for the 5-year and 100-year storm events is: Q5 = 0.27 cfs and Q100 = 0.96 cfs.

Basin C – consists of Unit D and E rooftop, Unit C, D, E and F concrete patio deck and yard. The rooftop runoff discharges into the grass-lined swale between Unit D and E. The swale then slopes east to DP-2 18'' sump inlet in a low point. The concrete patio and yards of said units sheet flow into DP-2 also. Direct runoff for the 5-year and 100-year storm events is: Q5 = 0.31 cfs and Q100 = 1.30 cfs.

Basin D – consists of Unit F rooftop. Runoff is routed via 6-inch PVC storm pipe to an 18'' sump inlet at DP-2 low point. Direct runoff for the 5-year and 100-year storm events is: Q5 = 0.12 cfs and Q100 = 0.27 cfs.

Basin UD1 – consists of Unit A, B, C, D, E and F concrete driveway, front patio space and walkway. Runoff sheet flows into the S Banner St curb system and flows out and around along Chestnut St. Direct runoff for the 5-year and 100-year storm events is: Q5 = 0.11 cfs and Q100 = 0.33 cfs.

Basin UD2 – consists of the landscape along the north property edge. Runoff sheet flows into the Spruce St ROW and curb and gutter. Direct runoff for the 5-year and 100-year storm events is: Q5 = 0.00 cfs and Q100 = 0.06 cfs.

Basin UD3 – consists of the landscape along the south property edge. Runoff sheet flows into the Chestnut St ROW and curb and gutter. Direct runoff for the 5-year and 100-year storm events is: Q5 = 0.00 cfs and Q100 = 0.06 cfs.

DP-1 consists of tributary runoff from Basin A and B. Flow is collected in this catch basin and then released into the detention pond at OP1.

DP-2 consists of tributary runoff from Basin C and D. Flow is collected in this catch basin and then gravity discharged via 10-inch PVC pipe into the detention pond at OP2.

DP-3 consists of the detention pond outlet structure and detention pond emergency spillway location.

Detention Pond

A permanent extended detention basin pond with concrete cast-in-place retaining walls is proposed at the northeast corner of the site in Lots 11 and 12. The walls surrounding the pond are all approximately 4-ft in height. The basin geometry was determined so that it may emergency

overflow spill north towards Spruce Street in the case of clogging so that it will not inundate or affect the residential properties surrounding the pond. The maximum depth of the pond is 4-ft from the top of wall to the main bottom of the pond. Two outfall points at OP1 and OP2 are the inflow from tributary runoff to the pond. Impact basins at these locations facilitate flow into the pond. Access to the pond is achieved by the 5-ft wall step down cutout for the emergency overflow located at the outlet structure on the north wall of the pond located directly adjacent to Spruce Street. This is also an ideal location so that a vehicle may pull up directly in front of the pond along Spruce Street and then enter the pond by foot through the wall step down and then walk into the pond to perform maintenance or inspection. No vehicular access is provided into the pond due to the size of the pond and proximity to both the public alley and Spruce Street.

Storage Volume Summary

WQCV Volume =	0.009 ac-ft
5-YR Detention Volume =	0.022 ac-ft
100-YR Detention Volume =	0.046 ac-ft

Outlet Structure

A Type C outlet structure located at DP-3 inside the detention pond will release flow from the site at an allowable drain time for the initial and major storms via orifice plates, outlet pipe and weir flow through the grate structure. See Appendix E.

Connection to Existing Storm Sewer

A 15-inch RCP outlet pipe from the detention pond Type C outlet structure will splice the existing 18-inch RCP storm main located underneath the sidewalk along Spruce Street. This connection is made by a flattop manhole. Therefore, inspection and maintenance of the outlet pipe of the pond can be made through either the manhole or the removable Type C outlet structure grate.

B. Specific Details

The detention storage and outlet design are documented in Appendix E.

Maintenance of the drainage infrastructure shall include inspection of the two 18'' landscape inlets to ensure they are free of any clogging or debris build up on top of the inlet which may decrease

their capacity and/or decrease their functionality. Maintenance for the detention pond will include inspection of the outlet structure to ensure proper functioning and to remove any trash build up in the well screen trash rack as well as any debris collected in the concrete trickle channels.

Subsequently, a variable width drainage and utility easement will cover the extended detention pond and swales and will be maintained by the owners of Lots 7-12. The only concentrated flow which may affect downstream properties is the spillway of the detention pond which will discharge north towards Spruce St onto a riprap rundown and then onto the sidewalk and is not anticipated to affect any properties downstream. In conclusion, all onsite drainage facilities including the pond, will be maintained by all the lot owners.

C. Variances from CRITERIA and/or MANUAL

Not applicable.

V. SUMMARY/CONCLUSIONS

A. Discussion of Compliance with Standards by Proposed Drainage Plan

This Drainage Report complies with the technical criteria set forth in the CRITERIA and MANUAL.

Runoff coefficients, water quality, detention storage and outlet structure design has been made for the Project in accordance with the MANUAL. The on-site drainage facilities and overall system has been designed to provide adequate conveyance and controlled release for the major and initial storm events.

B. Discussion of Final Drainage Concept

This report and drainage facilities identified on the drainage plan have been designed to capture, convey, treat, release, detain and allow emergency pathways for the initial and major storm events so as to prevent damage from storm runoff entering and/or affecting the building.

A permanent detention pond with a concrete trickle pan and outlet structure has been utilized to remove pollutants from the site as well as other onsite amenities including grass-lined swales and landscaping.

No negative impacts to the downstream Running Creek are anticipated to occur from the drainage and roadway improvements from the Project.

C. Engineer and Developer Certification

ENGINEER'S CERTIFICATION

This report for the final drainage design of Banner Paired Homes 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.

Signature:

David R. Terron, Registered Professional Engineer

State of Colorado

No. 60366

DEVELOPER'S CERTIFICATION

LG Designs & Construction, LLC hereby affirms that the drainage facilities for Banner Paired Homes 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 (Name of Developer) and/or their successors and/or assigns, absolve same of future liability for improper design.

SIGNATURE: _____

NAME: _____

TITLE: _____

VI. REFERENCES

1. Town of Elizabeth, Storm Drainage Design & Technical Criteria. Public Works Department. October 1998.
2. Federal Emergency Management Agency, Flood Insurance Rate Map. Elbert County, Colorado. Panel 0480C.
3. Mile High Flood District, Urban Storm Drainage Criteria Manual: Volume 1, Management, Hydrology and Hydraulics, Originally Published September 1969, Revised August 2018.
4. Mile High Flood District, Urban Storm Drainage Criteria Manual: Volume 2, Structures, Storage and Recreation, Originally Published September 1969, Revised September 2017.
5. Mile High Flood District, Urban Storm Drainage Criteria Manual: Volume 3, Stormwater Quality, Originally Published September 1992, Revised November 2010 (with some sections updated October 2019).

VII. APPENDICES

Appendix A – FEMA Firm Map, Soil Report

Appendix B – Tables and Figures

Appendix C – Hydrologic Calculations

Appendix D – Hydraulic Calculations

Appendix E – Detention and Water Quality

Appendix F – Drainage Map

APPENDIX A – FEMA Floodplain Map, Soil Report

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 13. The **horizontal datum** was NAD83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the **North American Vertical Datum of 1988 (NAVD88)**. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-2, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at http://www.ngs.noaa.gov/.

Base Map information shown on this FIRM was provided in digital format by Elbert County GIS Department and Anderson Consulting Engineers, Inc. These data are current as of 2009.

This map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study Report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

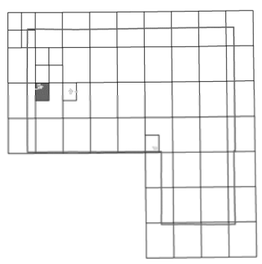
Contact **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, *a Flood Insurance Study Report*, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov/.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA Map (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/.

Elbert County Vertical Datum Offset Table

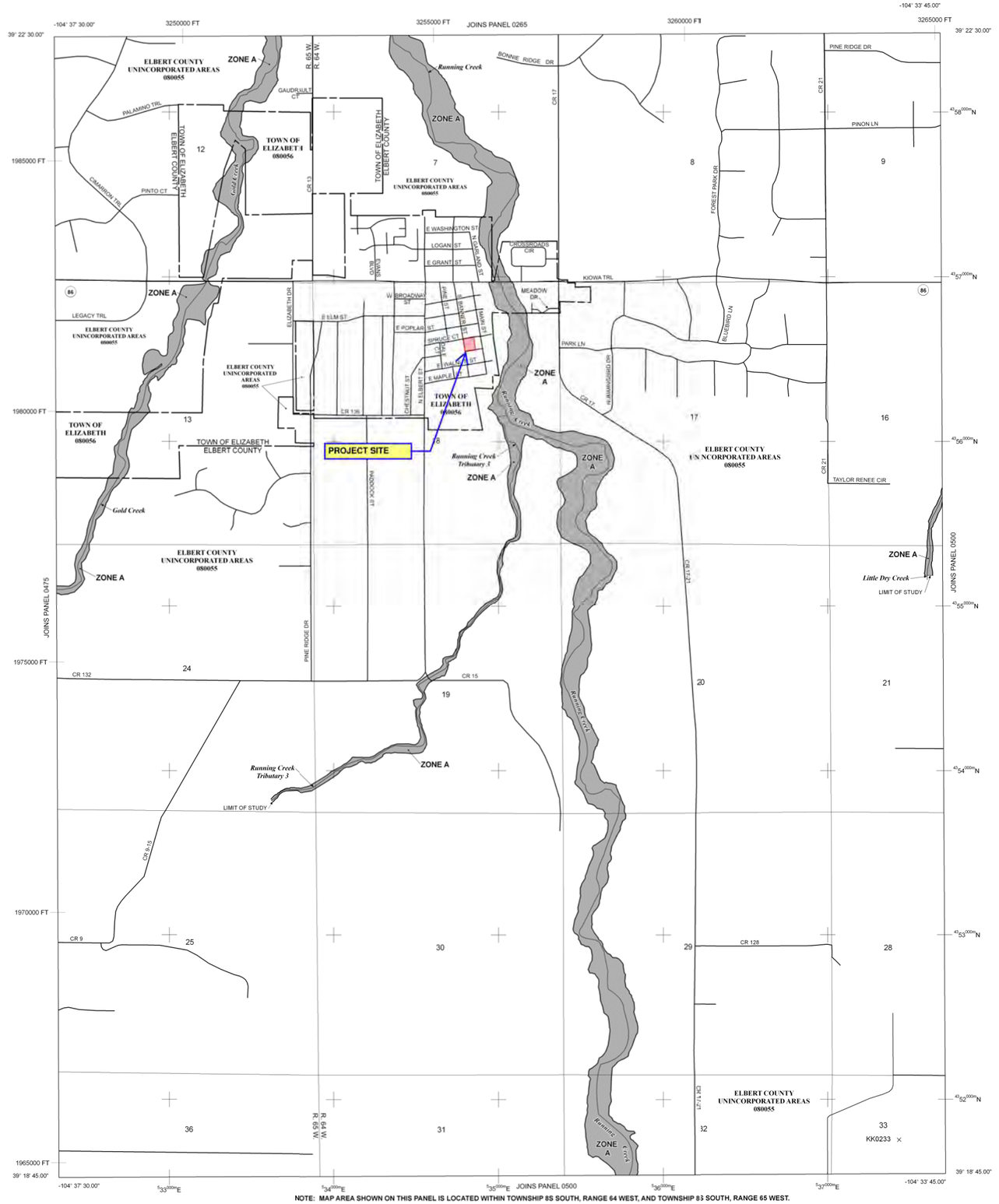
Flooding Source	Vertical Datum Offset (ft)
N/A	N/A

Panel Location Map



This Digital Flood Insurance Rate Map (DFIRM) was produced through a Cooperating Technical Partner (CTP) agreement between the State of Colorado Water Conservation Board (CWCB) and the Federal Emergency Management Agency (FEMA).

Additional Flood Hazard information and resources are available from local communities and the Colorado Water Conservation Board.



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 8S SOUTH, RANGE 64 WEST, AND TOWNSHIP 8S SOUTH, RANGE 65 WEST.

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.
ZONE AE Base Flood Elevations determined.
ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR Special Flood Hazard Area Formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain boundary
Floodway boundary
Zone D Boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
513 — Base Flood Elevation line and value; elevation in feet*
(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

A — A Cross section line
23 — 23 Transect line
97° 07' 30.00" / 32° 22' 30.00" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
4275000mN 1000-meter Universal Transverse Mercator grid ticks, zone 13
6000000 FT 5000-foot grid ticks: Colorado State Plane coordinate system, central zone (FIPSZONE 0502), Lambert Conformal Conic Projection
DX5510 × Bench mark (see explanation in Notes to Users section of this FIRM panel)
M1.5 River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
MARCH 17, 2011

For community map revision history prior to countywide mapping, refer to the Community Map History Table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'
500 0 1000 2000 FEET
300 0 300 600 METERS

NFIP

PANEL 0480C

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

ELBERT COUNTY, COLORADO AND INCORPORATED AREAS

PANEL 0480 OF 1200

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
ELBERT COUNTY	080055	0480	C
ELIZABETH, TOWN OF	080056	0480	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 08039C0480C

EFFECTIVE DATE: MARCH 17, 2011

Federal Emergency Management Agency

National Flood Hazard Layer FIRMette

FEMA

104°36'17"W 39°21'48"N

104°35'39"W 39°21'20"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

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

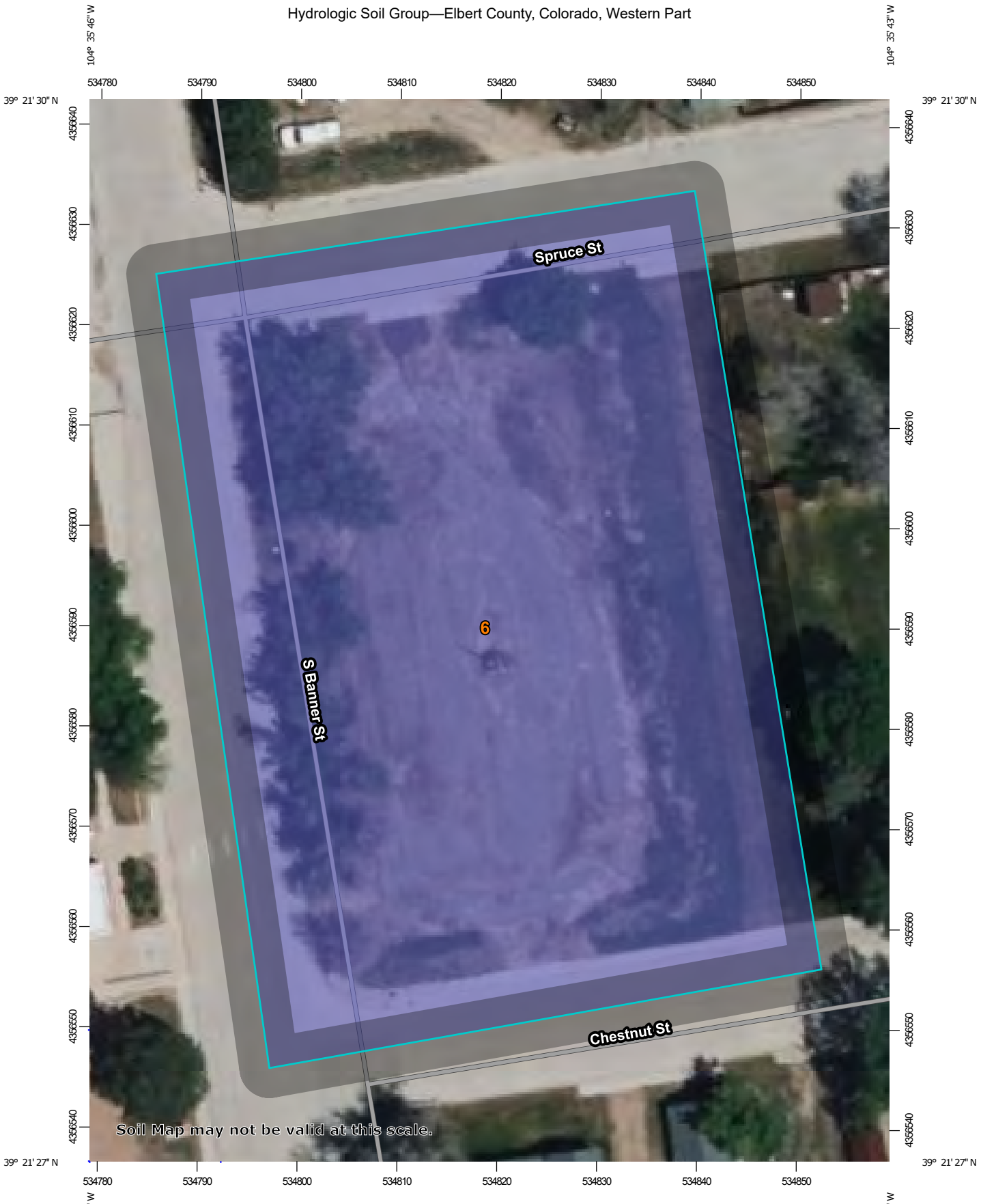
N

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 3/28/2024 at 7:08 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, commu FIRM panel number, and FIRM effective date unmapped and unmodernized areas cannot regulatory purposes.



Map Scale: 1:516 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 5 10 20 30

Feet: 0 25 50 100 150

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	1.1	100.0%
Totals for Area of Interest			**1.1**	**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.

Rating Options

Aggregation Method: Dominant Condition

GEOTECHNICAL ENGINEERING REPORT

Proposed Residences
Spruce Street and Banner Street
Block 18, Lots 7 through 12, Phillips Addition
Elizabeth, Colorado

Prepared For:
LG Designs & Construction, LLC
188 Sandy Hollow Trail
Franktown, CO 80116

Prepared By:
Cole Garner Geotechnical
CGG Project No.: 23.22.139

September 26, 2023

Cole Garner Geotechnical
1070 W. 124th Ave, Ste. 300
Westminster, CO 80234
303.996.2999

September 26, 2023

LG Designs & Construction, LLC
188 Sandy Hollow Trail
Franktown, CO 80116

Attn: Mr. Lane Gregory
lgdesigns34@gmail.com
720.425.2212

Re: Geotechnical Engineering Report
Proposed Residences
Spruce Street and Banner Street
Block 18, Lots 7 through 12, Phillips Addition
Elizabeth, Colorado
CGG Project No. 23.22.139

Cole Garner Geotechnical (CGG) has completed a geotechnical engineering investigation for the proposed residential development to be constructed at the referenced address in Elizabeth, Colorado. This geotechnical summary should be used in conjunction with the entire report for design and/or construction purposes. It should be recognized that specific details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein. The section titled General Comments should be read for an understanding of the report limitations.

- **Subsurface Conditions:** Fine- to coarse-grained sand with varying amounts of silt and fine- to medium-grained clayey sand was present below the site pavements. The sands extended the full depth of exploration in borings Nos. 1 and 2. Sedimentary sandstone bedrock was encountered at a depth of 22 feet in boring No. 3 and extended the remaining depth of exploration. Other specific information regarding the subsurface conditions is shown on the attached boring logs.

- **Demolition, Soft/Loose Soils, and Site Preparation:** Existing pavements, light poles, and other features associated with previous site use will be demolished and removed from the site as part of the new construction. Demolition and removal of these features may expose or generate loose soil conditions. ***Demolition should include removal of any soft/loose or otherwise unsuitable backfill materials in the vicinity of the proposed construction.***

  The soils in our borings were relatively stable, however, some soft/unstable soils may also be encountered in foundation excavations and deeper excavations. If encountered, stabilization of foundation soils may be required. This stabilization would typically include limited subexcavation

APPENDIX B – Tables and Figures

General Information
Homepage
Progress Reports
FAQ
Glossary

Precipitation Frequency
Data Server
GIS Grids
Maps
Time Series
Temporals
Documents

Probable Maximum Precipitation
Documents

Miscellaneous
Publications
Storm Analysis
Record Precipitation

Contact Us
Inquiries

NOAA ATLAS 14 POINT PRECIPITATION FREQUENCY ESTIMATES: CO

Data description

Data type: Precipitation depth **Units:** English **Time series type:** Partial duration

Select location

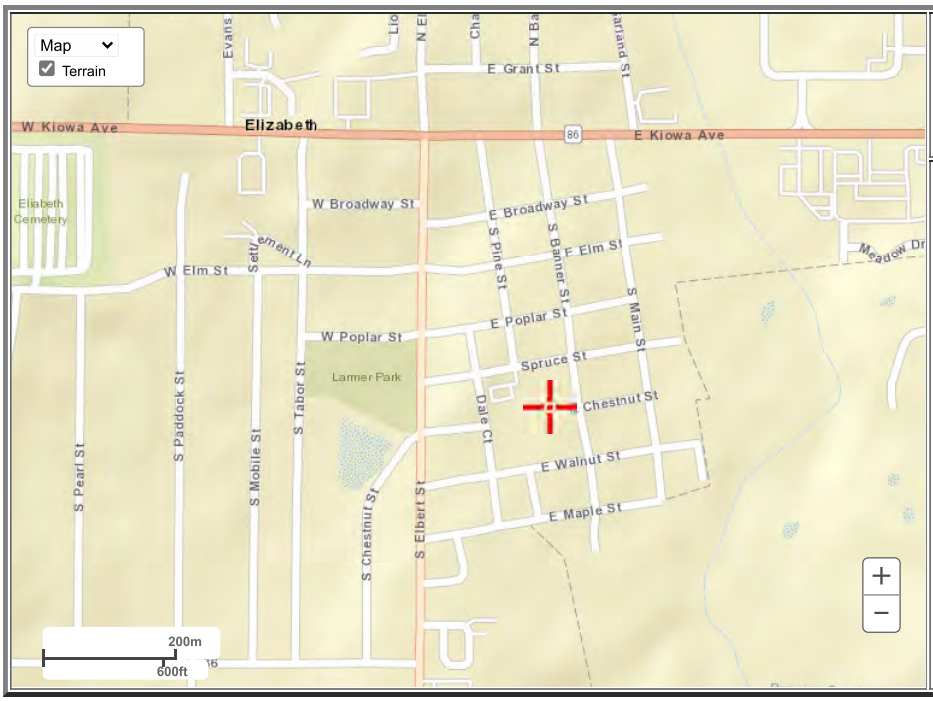
1) Manually:

a) By location (decimal degrees, use "-" for S and W): Latitude: Longitude: Submit

b) By station (list of CO stations): Select station

c) By address 589 S Banner St, Elizabeth, CO, 8010

2) Use map:



a) Select location
Move crosshair or double click

b) Click on station icon
Show stations on map

Location information:
Name: Elizabeth, Colorado, USA*
Latitude: 39.3577°
Longitude: -104.5966°
Elevation: 6488 ft **

* Source: ESRI Maps
** Source: USGS

POINT PRECIPITATION FREQUENCY (PF) ESTIMATES

WITH 90% CONFIDENCE INTERVALS AND SUPPLEMENTARY INFORMATION
NOAA Atlas 14, Volume 8, Version 2

PF tabular PF graphical Supplementary information Print page

PDS-based 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)

TABLE 6-3. RECOMMENDED IMPERVIOUSNESS BY SURFACE TYPES

SURFACE TYPES		IMPERVIOUSNESS
Roadways and Paved Streets		95%
Concrete Driveways and Walks		95%
Roofs		95%
Gravel	No Traffic (Pedestrian Use)	40%
	Low-traffic Areas (Maintenance Paths and Substations)	60%
	High-traffic Areas (Roadways and Parking)	80%
Disturbed Soil (Including Lawns, Managed/Active Turf, Landscaped Areas with Water-Wise Vegetation, and Uncompacted Gravel/Mulch Planting Beds)		20%
Undisturbed or Decompacted Soil (Native Grasses and Open Space Areas)		5%
Artificial Turfs[1]	Landscape Applications (without Subgrade Drainage Layer)	25% – 45%
	Sport Fields (with Underdrain Pipe System)	60% – 80%
Water Surfaces (Lakes/Reservoirs/Irrigation Ponds)		100%
Solar Fields[2]	Grass Cover (Varies with Panel Orientation Relative to Ground Contours)	10% – 45%
	Gravel Cover (Varies with Panel Orientation Relative to Ground Contours)	50% – 75%
Historic Flow Analysis, Greenbelts, Agricultural		5%
Newly Graded Areas		65%
Stormwater Control Measures[3]	Retention Ponds & Constructed Wetland Ponds	100%
	Rooftop Systems – Blue Roofs	95%
	Rooftop Systems – Green Roofs (extensive)	65%
	Rooftop Systems – Green Roofs (intensive)	50%
	Permeable Pavement – CGP/PGP/RGP	55%
	Permeable Pavement – PICP	45%
	Extended Detention Basins	25%
	Receiving Pervious Areas (incl. Grass Buffers & Grass Swales)	20%
	Bioretention & Sand Filters	10%

[1] Consult with the manufacturer to get a recommended value.

[2] Assumes 1:1 ratio of panels to aisles. See MHFD's technical memorandum regarding *Determination of Solar Panel Field Runoff Coefficients and Imperviousness Values* for additional information on procedures for determining percent imperviousness based on panel width, panel spacing, and panel orientation relative to ground contours and how to reflect other impervious areas such as roads and pads that may be part of a solar field and layouts with wider inter-panel spacing.

[3] See MHFD's technical memorandum regarding *Evaluation of Percent Imperviousness for Stormwater Control Measures* for background information.

TABLE 6-7. RUNOFF COEFFICIENTS, *C*, NRCS HSG B

TOTAL OR EFFECTIVE % IMPERVIOUS	NRCS HSG B						
	WQE & 2-Year	5-Year	10-Year	25-Year	50-Year	100-Year	500-Year
2%	0.01	0.01	0.07	0.26	0.34	0.44	0.54
5%	0.03	0.03	0.10	0.28	0.36	0.45	0.55
10%	0.06	0.07	0.14	0.31	0.38	0.47	0.57
15%	0.09	0.11	0.18	0.34	0.41	0.50	0.59
20%	0.13	0.15	0.22	0.37	0.44	0.52	0.61
25%	0.17	0.19	0.26	0.41	0.47	0.54	0.63
30%	0.20	0.23	0.30	0.44	0.50	0.57	0.65
35%	0.24	0.27	0.34	0.47	0.52	0.59	0.66
40%	0.29	0.32	0.38	0.50	0.55	0.61	0.68
45%	0.33	0.36	0.42	0.53	0.58	0.64	0.70
50%	0.37	0.40	0.46	0.56	0.61	0.66	0.72
55%	0.42	0.45	0.50	0.59	0.63	0.68	0.74
60%	0.46	0.49	0.54	0.63	0.66	0.71	0.76
65%	0.50	0.54	0.58	0.66	0.69	0.73	0.77
70%	0.55	0.58	0.62	0.69	0.72	0.75	0.79
75%	0.60	0.63	0.66	0.72	0.75	0.77	0.81
80%	0.64	0.67	0.70	0.75	0.77	0.80	0.83
85%	0.69	0.72	0.74	0.78	0.80	0.82	0.85
90%	0.74	0.76	0.78	0.81	0.83	0.84	0.87
95%	0.79	0.81	0.82	0.85	0.86	0.87	0.88
100%	0.84	0.86	0.86	0.88	0.89	0.89	0.90

APPENDIX C – Hydrologic Calculations

COMPOSITE IMPERVIOUSNESS & RUNOFF COEFFICIENT CALCULATIONS - DEVELOPED CONDITIONS - SUB-BASINS

	PROPOSED LAND USE [a.] (sf)							RUNOFF COEFFICIENTS [b.] SOIL GROUP B				HYDROLOGIC
	STREET (DRIVEABLE)	CONCRETE (DRIVES/ WALKS)	ROOF	LANDSCAPE								
SUB-BASIN	100%	90%	95%	0%	TOTAL AREA (sf)	TOTAL AREA (acres)	COMPOSITE PERCENT IMPERVIOUS *i*	C_2	C_5	C10	C_{100}	NOTES
A			1,641		1,641	0.038	95.0%	0.79	0.81	0.83	0.87	
B		730	3,282	3,871	7,883	0.181	47.9%	0.36	0.39	0.44	0.65	
C		1,460	3,282	6,704	11,446	0.263	38.7%	0.28	0.31	0.37	0.61	
D			1,641		1,641	0.038	95.0%	0.79	0.81	0.83	0.87	
UD1			1,588	860	2,448	0.056	61.6%	0.48	0.51	0.56	0.72	
UD2				803	803	0.018	0.0%	-	-	0.06	0.43	
UD3				820	820	0.019	0.0%	-	-	0.06	0.43	
On-Site Total	**-**	**2,190**	**11,434**	**13,058**	**26,682**	**0.613**	**48.1%**	**0.36**	**0.39**	**0.45**	**0.65**	**Composite Site**

NOTES: a. MHFD - USDCM Volume 1 - Revised August 2018 - Table 6-3 (Appendix B)
b. MHFD - USDCM Volume 1 - Revised August 2018 - Table 6-5 (Appendix B)

TIME OF CONCENTRATIONS - DEVELOPED CONDITIONS - SUBBASINS

BASIN DATA			INITIAL/OVERLAND TIME (t_o) [a.]			TRAVEL TIME (t_t) [b.]					TIME OF CONC. (t_c) [d.]	FIRST DESIGN POINT TIME OF CONC. IN URBAN CATCHEMENT (t_c) [e.]			FINAL (t_c)	CONVEYANCE REMARKS
SUB-BASIN	AREA (acres)	C_2	LENGTH L_o (ft)	SLOPE S_o (ft/ft)	t_o (minutes)	LENGTH L_t (ft)	SLOPE S_t (ft/ft)	CONVEYANCE FACTOR K [c.]	VELOCITY V_t (ft/s)	t_t (minutes)	t_c (minutes)	LENGTH L_t (ft)	IMPERVIOUS i (decimal)	t_c (minutes)	t_c (minutes)	
A	0.04	0.79	30	0.100	1.4						1.4	-	0.950	9.85	**5.0**	
B	0.18	0.36	30	0.100	3.4	130	0.250	20	10.0	0.22	3.7	130	0.479	18.30	**5.0**	
C	0.26	0.28	30	0.100	3.8	100	0.005	20	1.4	1.18	5.0	100	0.387	19.78	**5.0**	
D	0.04	0.79	30	0.100	1.4						1.4	-	0.950	9.85	**5.0**	
UD1	0.06	0.48	25	0.065	3.0	200	0.020	20	2.8	1.18	4.2	200	0.616	16.27	**5.0**	
UD2	0.02	-	25	0.100	4.6	110	0.120	20	6.9	0.26	4.9	110	-	26.64	**6.0**	
UD3	0.02	-	25	0.100	4.6	110	0.120	20	6.9	0.26	4.9	110	-	26.64	**7.0**	

NOTES:

a. UDFCD, USDCM Volume 1, Equation 6-3: to = 0.395(1.1 - C2) * sqrt(L_i) / S_o^0.33. Note: The runoff coefficient used is for the 2-year frequency (from Table 6-4) per the City of Englewood SDCM

b. UDFCD, USDCM Volume 1, Equation: $t_t = L_t$ / 60 * K * sqrt(S_o) = L_t / 60 * V_t

c. UDFCD, USDCM Volume 1, Table 6-2: Heavy Meadow = 2.5, Tillage/field = 5, Short Pasture & Lawn = 7, Nearly Bare Ground = 10, Grassed Waterway = 15, Paved Areas & Shallow Paved Swales = 20

d. UDFCD, USDCM Volume 1, Equation 6-2: $t_c = to + t_t$

e. UDFCD, USDCM Volume 1, Equation 6-5: t_t = (26 - 17i) + (L_t / 60(24i + 12)* sqrt(S_t))

f. UDFCD, USDCM Volume 1 Revised August 2018 version used for equations and tables.

ROTH LANG ENGINEERING GROUP LLC

STORM DRAINAGE SYSTEM DESIGN (RATIONAL METHOD PROCEDURE) - DEVELOPED CONDITIONS - SUBBASINS
DESIGN STORM: 5-YEAR (INITIAL STORM) - DIRECT RUNOFF

	DIRECT RUNOFF								TOTAL RUNOFF				STREET		PIPE			TRAVEL TIME			
SUB-BASIN	DESIGN POINT	AREA (Acres)	RUNOFF COEFF	Tc (min)	C * A (Acres)	P_1[a]	I^b. (in/hour)	Q (cfs) [c]	Tc (min)	(C A) (Acres)	I (in/hour)	Q (cfs)	SLOPE (%)	STREET FLOW (cfs)	DESIGN FLOW (cfs)	SLOPE (%)	PIPE SIZE (in)	LENGTH (ft)	VELOCITY (fps)	Tt (min)	REMARKS
A	1	0.04	0.81	5.0	0.03	1.15	3.90	0.12													
B	1	0.18	0.39	5.0	0.07	1.15	3.90	0.27													
C	2	0.26	0.31	5.0	0.08	1.15	3.90	0.31													
D	2	0.04	0.81	5.0	0.03	1.15	3.90	0.12													
UD1	-	0.06	0.51	5.0	0.03	1.15	3.90	0.11													
UD2	-	0.02	0.00	6.0	0.00	1.15	3.71	0.00													
UD3	-	0.02	0.00	7.0	0.00	1.15	3.54	0.00													

NOTES: a. NOAA ATLAS 14 Point Precipitation Frequency Estimates for Elizabeth, CO. One-hour Point Precipitation Rainfall Depths (in inches): 100-year (2.40), 10-year (1.40), 5-year (1.15), 2-year (0.864).
b. UDFCD, USDCM Volume 1, Equation 5-1: $I = (28.5 * P_1) / (10 + T_c)^{0.786}$
c. USDCM Volume 1 - August 2018 - Page 7-33: Rational Method Formula: $Q = CIA$

STORM DRAINAGE SYSTEM DESIGN (RATIONAL METHOD PROCEDURE) - DEVELOPED CONDITIONS - SUBBASINS
DESIGN STORM: 100-YEAR (MAJOR STORM) - DIRECT RUNOFF

	DIRECT RUNOFF								TOTAL RUNOFF				STREET		PIPE			TRAVEL TIME			
SUB-BASIN	DESIGN POINT	AREA (Acres)	RUNOFF COEFF	Tc (min)	C * A (Acres)	P_1[a]	I^b. (in/hour)	Q (cfs) [c]	Tc (min)	(C A) (Acres)	I (in/hour)	Q (cfs)	SLOPE (%)	STREET FLOW (cfs)	DESIGN FLOW (cfs)	SLOPE (%)	PIPE SIZE (in)	LENGTH (ft)	VELOCITY (fps)	Tt (min)	REMARKS
A	1	0.04	0.87	5.0	0.03	2.40	8.14	0.27													
B	1	0.18	0.65	5.0	0.12	2.40	8.14	0.96													
C	2	0.26	0.61	5.0	0.16	2.40	8.14	1.30													
D	2	0.04	0.87	5.0	0.03	2.40	8.14	0.27													
UD1	-	0.06	0.72	5.0	0.04	2.40	8.14	0.33													
UD2	-	0.02	0.43	6.0	0.01	2.40	7.74	0.06													
UD3	-	0.02	0.43	7.0	0.01	2.40	7.38	0.06													

NOTES: a. NOAA ATLAS 14 Point Precipitation Frequency Estimates for Elizabeth, CO. One-hour Point Precipitation Rainfall Depths (in inches): 100-year (2.40), 10-year (1.40), 5-year (1.15), 2-year (0.864).
b. UDFCD, USDCM Volume 1, Equation 5-1: $I = (28.5 * P_1) / (10 + T_c)^{0.786}$
c. USDCM Volume 1 - August 2018 - Page 7-33: Rational Method Formula: $Q = CIA$

STORM DRAINAGE SYSTEM DESIGN (RATIONAL METHOD PROCEDURE) - DEVELOPED CONDITIONS - SUBBASINS
DESIGN STORM: 5-YEAR (INITIAL STORM) - TOTAL RUNOFF

	DIRECT RUNOFF								TOTAL RUNOFF				STREET		PIPE			TRAVEL TIME			
SUB-BASIN	DESIGN POINT	AREA (Acres)	RUNOFF COEFF	Tc (min)	C * A (Acres)	$P1^{a.}$	$I^{b.}$ (in/hour)	Q (cfs) [c.]	Tc (min)	(C A) (Acres)	I (in/hour)	Q (cfs)	SLOPE (%)	STREET FLOW (cfs)	DESIGN FLOW (cfs)	SLOPE (%)	PIPE SIZE (in)	LENGTH (ft)	VELOCITY (fps)	Tt (min)	REMARKS
A	1	0.04	0.81	5.0	0.03	1.15	3.90	0.12													
															0.12	10	6	110	5.39	0.34	Routed from rooftop to DP-1 sump 18" LS inlet
B	1	0.18	0.39	5.0	0.07	1.15	3.90	0.27													
	1								5.3	0.10	3.83	0.39									Total runoff at DP-1 sump 18" LS inlet
															0.39	0.5	10	8	2.54	0.05	Routed from DP-1 sump 18" LS inlet to detention pond outfall point (OP1)
	OP1								5.4	0.10	3.82	0.38									Total runoff at Detention Pond OP1
C	2	0.26	0.31	5.0	0.08	1.15	3.90	0.31													
D	2	0.04	0.81	5.0	0.03	1.15	3.90	0.12													
									5.0	0.11	3.90	0.43			0.12	10	6	165	5.39	0.51	Routed from rooftop to DP-2 sump 18" LS inlet
	2								5.5	0.11	3.80	0.42									Total runoff at DP-2 sump 18" LS inlet
															0.42	0.5	10	65	2.68	0.40	Routed from DP-2 sump 18" LS inlet to detention pond outfall point (OP2)
	OP2								5.9	0.11	3.72	0.41									Total runoff at Detention Pond OP2
	3											0.80									OP1 + OP2

NOTES:
a. NOAA ATLAS 14 Point Precipitation Frequency Estimates for Elizabeth, CO. One-hour Point Precipitation Rainfall Depths (in inches): 100-year (2.40), 10-year (1.40), 5-year (1.15), 2-year (0.864).
b. UDFCD, USDCM Volume 1, Equation 5-1: $I = (28.5 * P_1) / (10 + T_c)^{0.786}$
c. USDCM Volume 1 - August 2018 - Page 7-33: Rational Method Formula: $Q = CIA$

STORM DRAINAGE SYSTEM DESIGN (RATIONAL METHOD PROCEDURE) - DEVELOPED CONDITIONS - SUBBASINS
DESIGN STORM: 100-YEAR (MAJOR STORM) - TOTAL RUNOFF

	DIRECT RUNOFF								TOTAL RUNOFF				STREET		PIPE			TRAVEL TIME			
SUB-BASIN	DESIGN POINT	AREA (Acres)	RUNOFF COEFF	Tc (min)	C * A (Acres)	$P1^{a.}$	$I^{b.}$ (in/hour)	Q (cfs) [c.]	Tc (min)	(C A) (Acres)	I (in/hour)	Q (cfs)	SLOPE (%)	STREET FLOW (cfs)	DESIGN FLOW (cfs)	SLOPE (%)	PIPE SIZE (in)	LENGTH (ft)	VELOCITY (fps)	Tt (min)	REMARKS
A	1	0.04	0.87	5.0	0.03	2.40	8.14	0.27													
															0.27	10	6	110	8.85	0.21	Routed from rooftop to DP-1 sump 18" LS inlet
B	1	0.18	0.65	5.0	0.12	2.40	8.14	0.96													
	1								5.2	0.15	8.05	1.21									Total runoff at DP-1 sump 18" LS inlet
															1.21	0.5	10	8	3.69	0.04	Routed from DP-1 sump 18" LS inlet to detention pond outfall point (OP1)
	OP1								5.2	0.15	8.04	1.21									Total runoff at Detention Pond OP1
C	2	0.26	0.61	5.0	0.16	2.40	8.14	1.30													
D	2	0.04	0.87	5.0	0.03	2.40	8.14	0.27													
									5.0	0.19	8.14	1.57			0.27	10	6	165	8.85	0.31	Routed from rooftop to DP-2 sump 18" LS inlet
	2								5.3	0.19	8.01	1.54									Total runoff at DP-2 sump 18" LS inlet
															1.54	0.5	10	65	3.69	0.29	Routed from DP-2 sump 18" LS inlet to detention pond outfall point (OP2)
	OP2								5.6	0.19	7.89	1.52									Total runoff at Detention Pond OP2
	3											2.73									OP1 + OP2

NOTES:
a. NOAA ATLAS 14 Point Precipitation Frequency Estimates for Elizabeth, CO. One-hour Point Precipitation Rainfall Depths (in inches): 100-year (2.40), 10-year (1.40), 5-year (1.15), 2-year (0.864).
b. UDFCD, USDCM Volume 1, Equation 5-1: $I = (28.5 * P_1) / (10 + T_c)^{0.786}$
c. USDCM Volume 1 - August 2018 - Page 7-33: Rational Method Formula: $Q = CIA$

BASIN SUMMARY

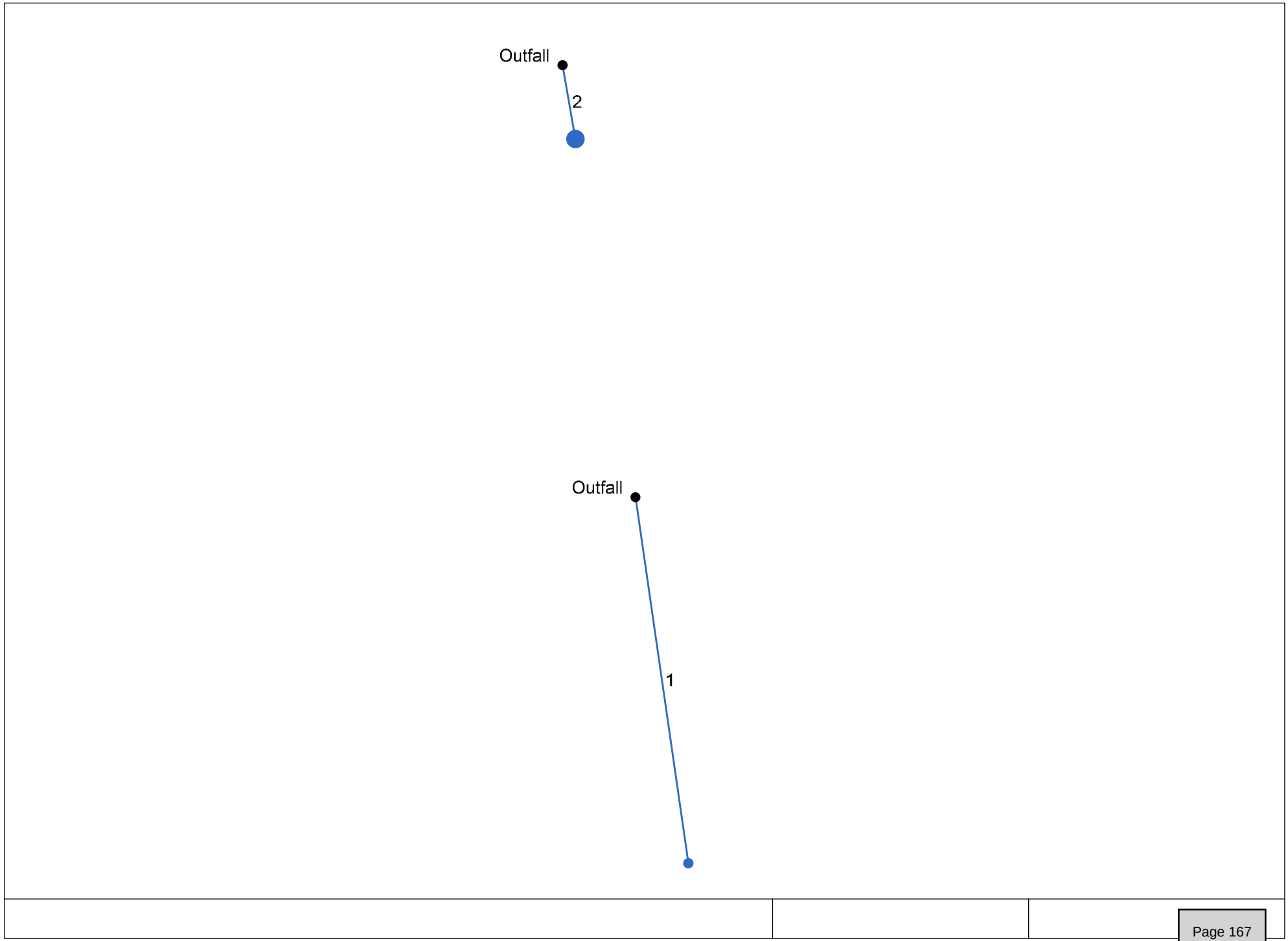
DRAINAGE SUB-BASIN	BASIN AREA (acres)	5-YEAR DIRECT RUNOFF (cfs)	100-YEAR DIRECT PEAK RUNOFF (cfs)
A	0.038	0.12	0.27
B	0.181	0.27	0.96
C	0.263	0.31	1.30
D	0.038	0.12	0.27
UD1	0.056	0.11	0.33
UD2	0.018	0.00	0.06
UD3	0.019	0.00	0.06
Undetained Total	**0.093**	**0.11**	**0.45**
On Site Total	**0.613**	**0.94**	**3.24**

SUMMARY RUNOFF TABLE

DESIGN POINT	CONTRIBUTING AREA (ACRES)	DIRECT RUNOFF 5-YEAR (CFS)	DIRECT PEAK RUNOFF 100-YEAR (CFS)	TOTAL RUNOFF 5-YEAR (CFS)	TOTAL PEAK RUNOFF 100-YEAR (CFS)
1	0.22 A, B	0.39	1.23	0.39	1.21
2	0.30 C, D	0.43	1.57	0.42	1.54
3	0.52 A, B, C, D	0.83	2.79	0.80	2.73

APPENDIX D – Hydraulic Calculations

Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



Hydraulic Grade Line Computations

Line	Size	Q	Downstream								Len	Upstream								Check		JL coeff	Minor loss
			Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)		Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)	Ave Sf (%)	Enrgy loss (ft)		
(1)	(in) (2)	(cfs) (3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(ft) (12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(K) (23)	(ft) (24)
1	10	0.40	6470.48	6471.46	0.83	0.55	0.73	0.01	6471.47	0.028	64.951	6470.81	6471.48	0.67	0.47	0.86	0.01	6471.49	0.030	0.029	0.019	1.00	0.01
2	15	0.48	6467.27	6468.52	1.25*	1.23	0.39	0.00	6468.52	0.005	13.000	6467.34	6468.52	1.18	1.20	0.40	0.00	6468.52	0.004	0.004	0.001	1.00	0.00

Project File: 5-YR.stm | Number of lines: 2 | Run Date: 3/28/2024

Notes: * depth assumed ; c = cir e = ellip b = box

Hydraflow HGL Computation Procedure

General Procedure:

Hydraflow computes the HGL using the Bernoulli energy equation. Manning's equation is used to determine energy losses due to pipe friction. In a standard step, iterative procedure, Hydraflow assumes upstream HGLs until the energy equation balances. If the energy equation cannot balance, supercritical flow exists and critical depth is temporarily assumed at the upstream end. A supercritical flow Profile is then computed using the same procedure in a downstream direction using momentum principles.

Col. 1 The line number being computed. Calculations begin at Line 1 and proceed upstream.

Col. 2 The line size. In the case of non-circular pipes, the line rise is printed above the span.

Col. 3 Total flow rate in the line.

Col. 4 The elevation of the downstream invert.

Col. 5 Elevation of the hydraulic grade line at the downstream end. This is computed as the upstream HGL + Minor loss of this line's downstream line.

Col. 6 The downstream depth of flow inside the pipe (HGL - Invert elevation) but not greater than the line size.

Col. 7 Cross-sectional area of the flow at the downstream end.

Col. 8 The velocity of the flow at the downstream end, (Col. 3 / Col. 7).

Col. 9 Velocity head (Velocity squared / 2g).

Col. 10 The elevation of the energy grade line at the downstream end, HGL + Velocity head, (Col. 5 + Col. 9).

Col. 11 The friction slope at the downstream end (the S or Slope term in Manning's equation).

Col. 12 The line length.

Col. 13 The elevation of the upstream invert.

Col. 14 Elevation of the hydraulic grade line at the upstream end.

Col. 15 The upstream depth of flow inside the pipe (HGL - Invert elevation) but not greater than the line size.

Col. 16 Cross-sectional area of the flow at the upstream end.

Col. 17 The velocity of the flow at the upstream end, (Col. 3 / Col. 16).

Col. 18 Velocity head (Velocity squared / 2g).

Col. 19 The elevation of the energy grade line at the upstream end, HGL + Velocity head, (Col. 14 + Col. 18) .

Col. 20 The friction slope at the upstream end (the S or Slope term in Manning's equation).

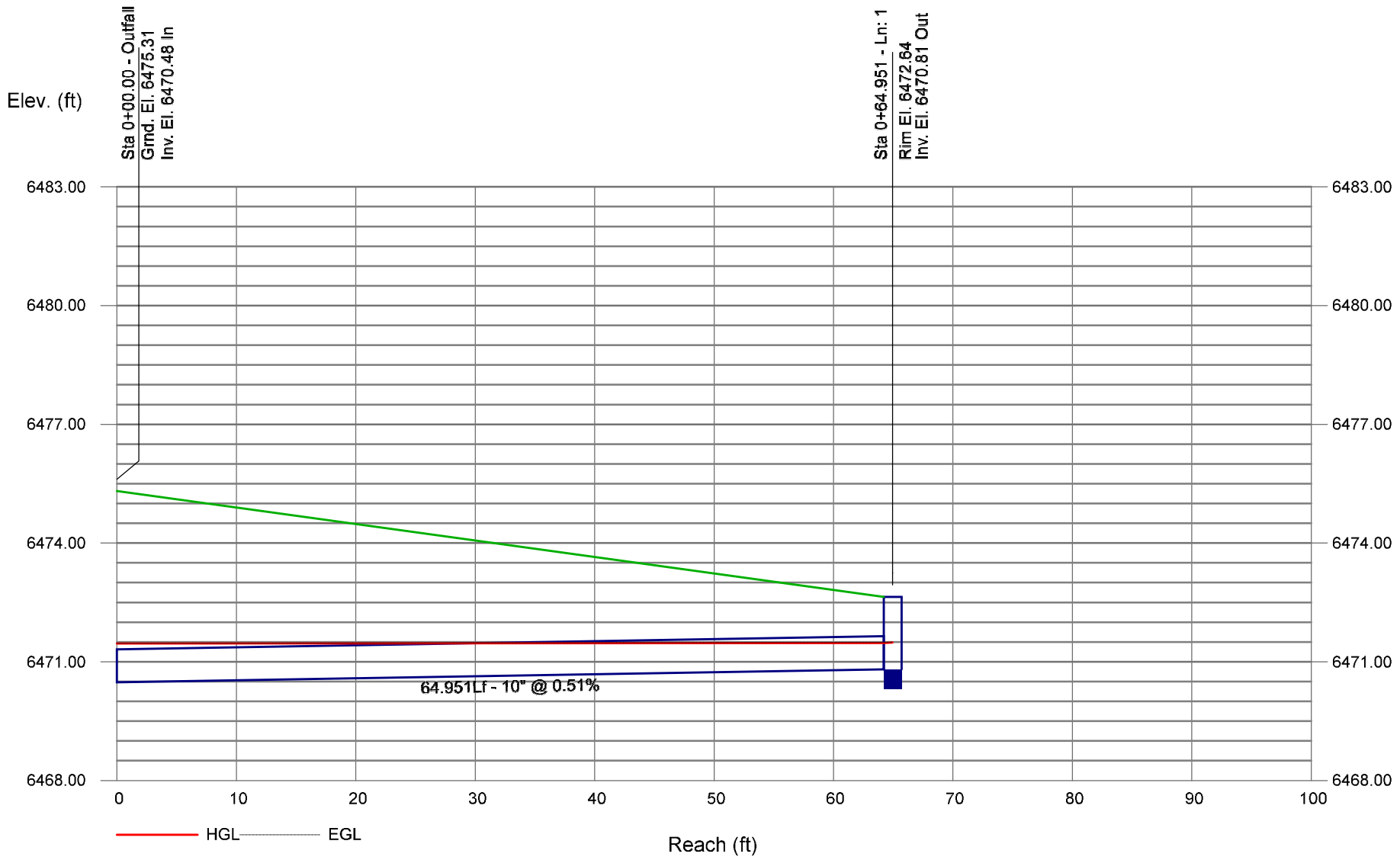
Col. 21 The average of the downstream and upstream friction slopes.

Col. 22 Energy loss. Average Sf/100 x Line Length (Col. 21/100 x Col. 12). Equals (EGL upstream - EGL downstream) +/- tolerance.

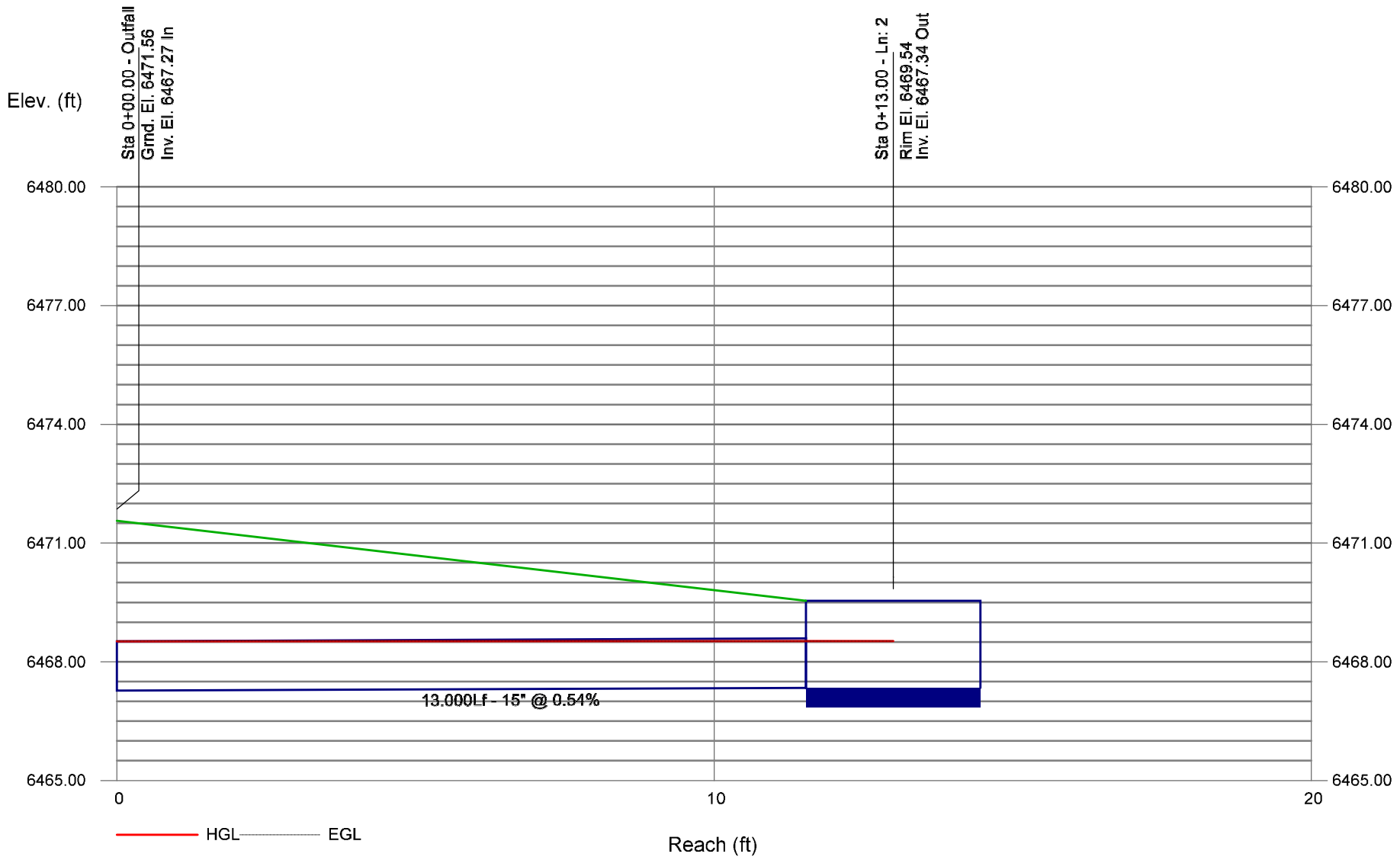
Col. 23 The junction loss coefficient (K).

Col. 24 Minor loss. (Col. 23 x Col. 18). Is added to upstream HGL and used as the starting HGL for the next upstream line(s).

STORM LINE A - PROFILE



STORM LINE B - PROFILE



Hydraulic Grade Line Computations

Line	Size	Q	Downstream								Len	Upstream								Check		JL coeff	Minor loss
			Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)		Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)	Ave Sf (%)	Enrgy loss (ft)		
(1)	(in) (2)	(cfs) (3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(ft) (12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(K) (23)	(ft) (24)
1	10	1.52	6470.48	6472.55	0.83	0.55	2.79	0.12	6472.67	0.411	64.951	6470.81	6472.82	0.83	0.55	2.79	0.12	6472.94	0.411	0.411	0.267	1.00	0.12
2	15	0.48	6467.27	6468.52	1.25*	1.23	0.39	0.00	6468.52	0.005	13.128	6467.34	6468.52	1.18	1.20	0.40	0.00	6468.52	0.004	0.004	0.001	1.00	0.00

Project File: 100-YR.stm | Number of lines: 2 | Run Date: 3/28/2024

Notes: * depth assumed ; c = cir e = ellip b = box

Hydraflow HGL Computation Procedure

General Procedure:

Hydraflow computes the HGL using the Bernoulli energy equation. Manning's equation is used to determine energy losses due to pipe friction. In a standard step, iterative procedure, Hydraflow assumes upstream HGLs until the energy equation balances. If the energy equation cannot balance, supercritical flow exists and critical depth is temporarily assumed at the upstream end. A supercritical flow Profile is then computed using the same procedure in a downstream direction using momentum principles.

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Col. 9 Velocity head (Velocity squared / 2g).

Col. 10 The elevation of the energy grade line at the downstream end, HGL + Velocity head, (Col. 5 + Col. 9).

Col. 11 The friction slope at the downstream end (the S or Slope term in Manning's equation).

Col. 12 The line length.

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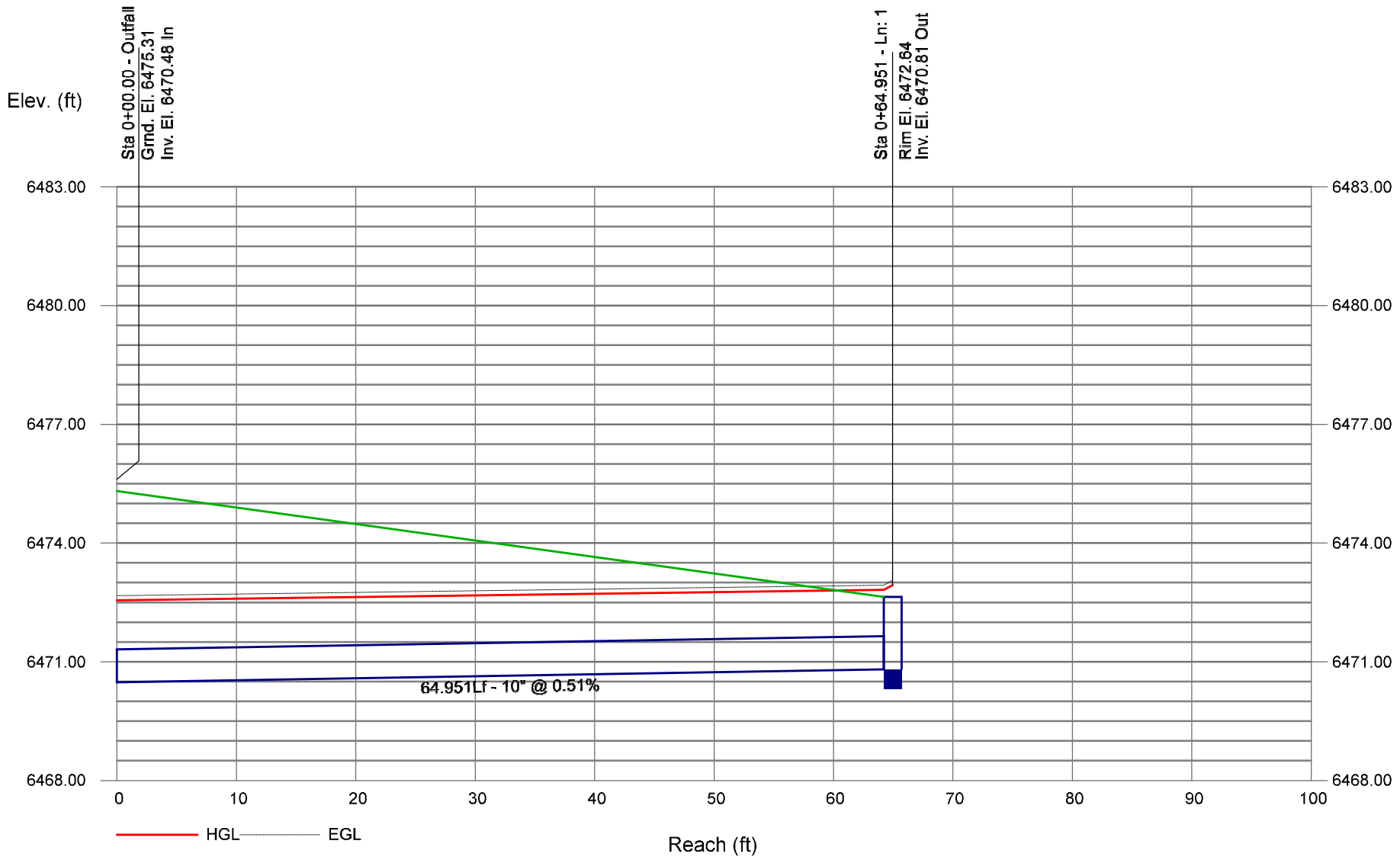
Col. 21 The average of the downstream and upstream friction slopes.

Col. 22 Energy loss. Average Sf/100 x Line Length (Col. 21/100 x Col. 12). Equals (EGL upstream - EGL downstream) +/- tolerance.

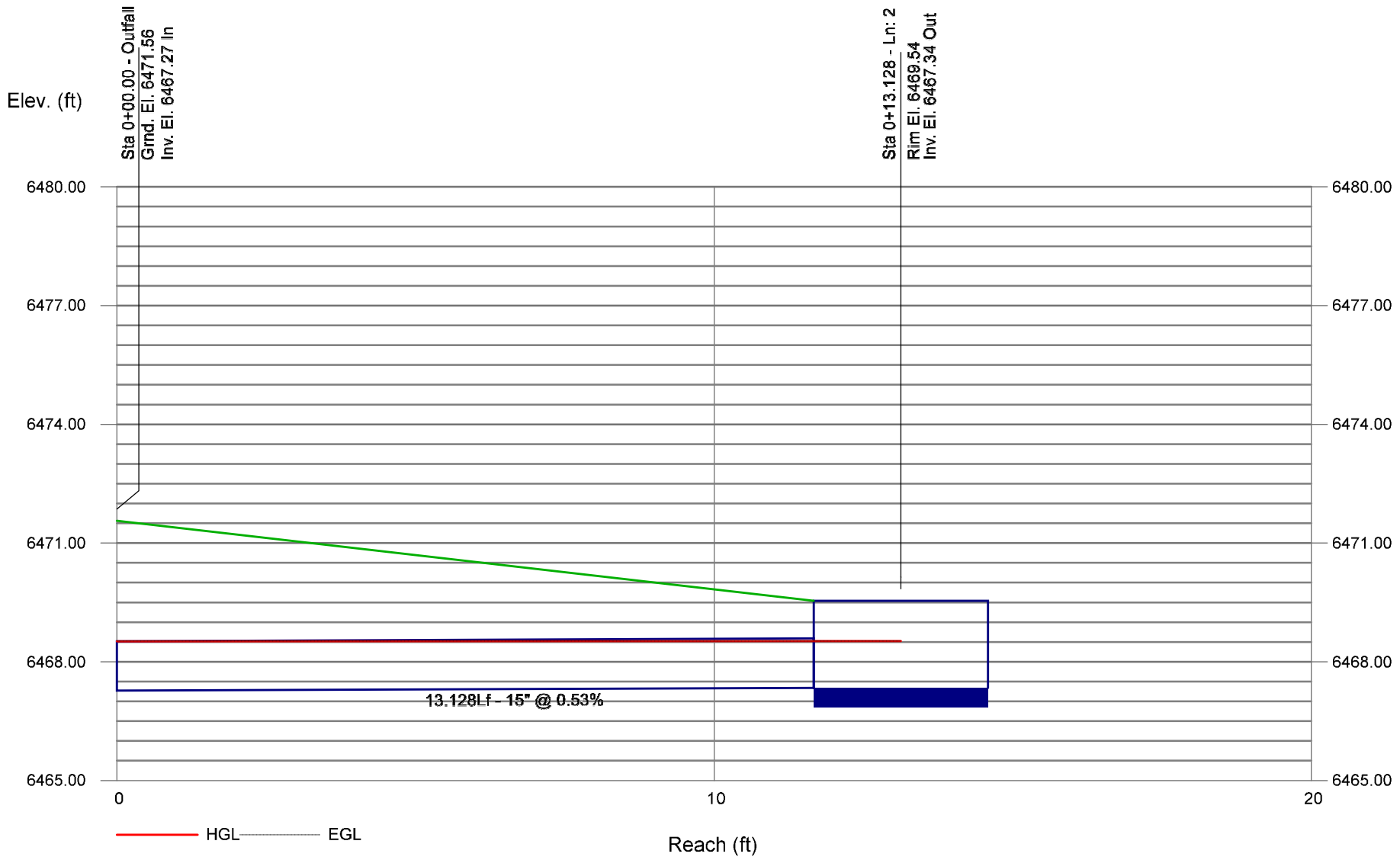
Col. 23 The junction loss coefficient (K).

Col. 24 Minor loss. (Col. 23 x Col. 18). Is added to upstream HGL and used as the starting HGL for the next upstream line(s).

STORM LINE A - PROFILE



STORM LINE B - PROFILE



Channel Report

Outlet Pipe

Circular

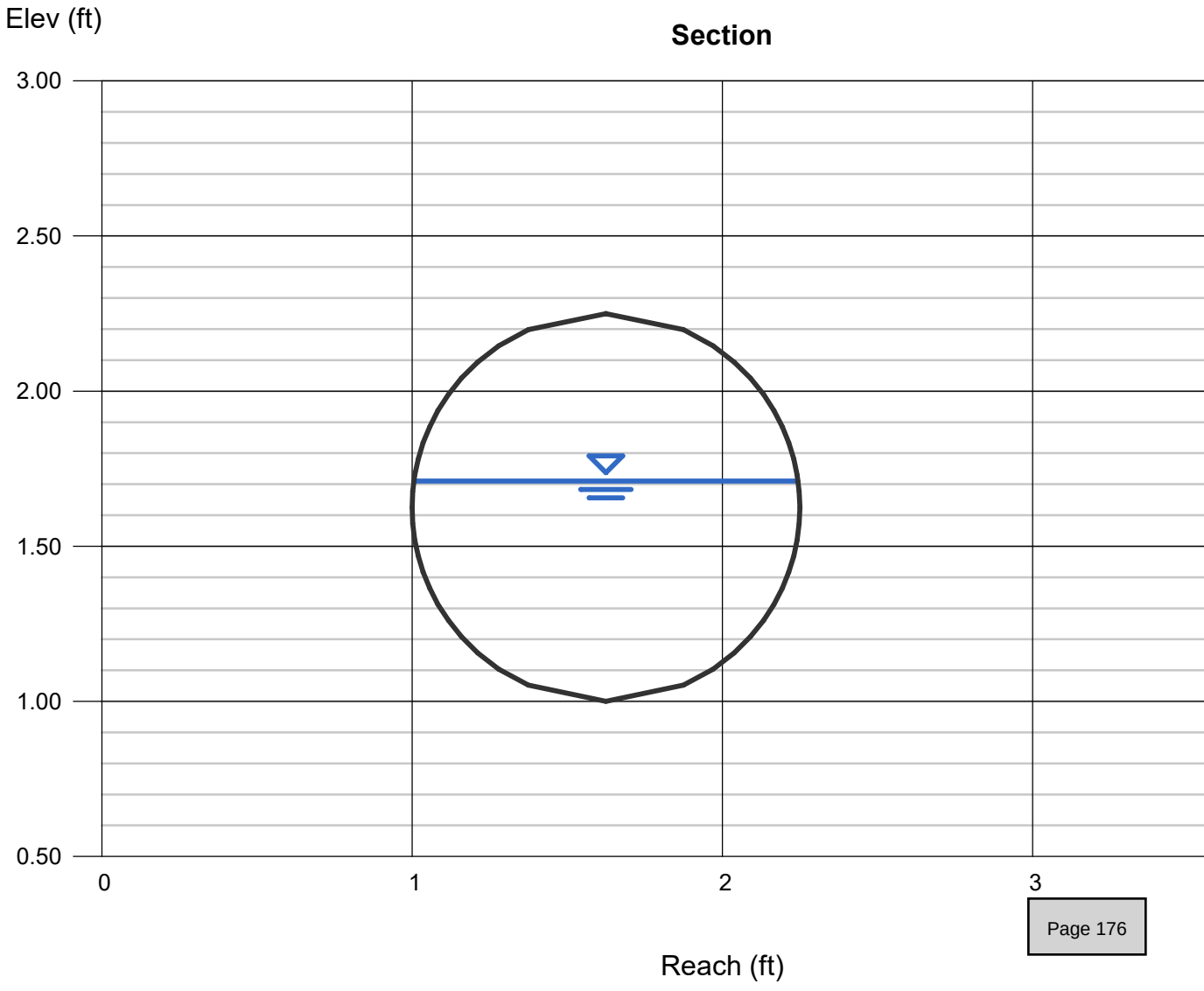
Diameter (ft)	= 1.25
Invert Elev (ft)	= 1.00
Slope (%)	= 0.50
N-Value	= 0.013

Calculations

Compute by:	Known Q
Known Q (cfs)	= 2.82

Highlighted

Depth (ft)	= 0.71
Q (cfs)	= 2.820
Area (sqft)	= 0.72
Velocity (ft/s)	= 3.91
Wetted Perim (ft)	= 2.14
Crit Depth, Yc (ft)	= 0.68
Top Width (ft)	= 1.24
EGL (ft)	= 0.95



Channel Report

Outlet Pipe @ 120% Capacity

Circular

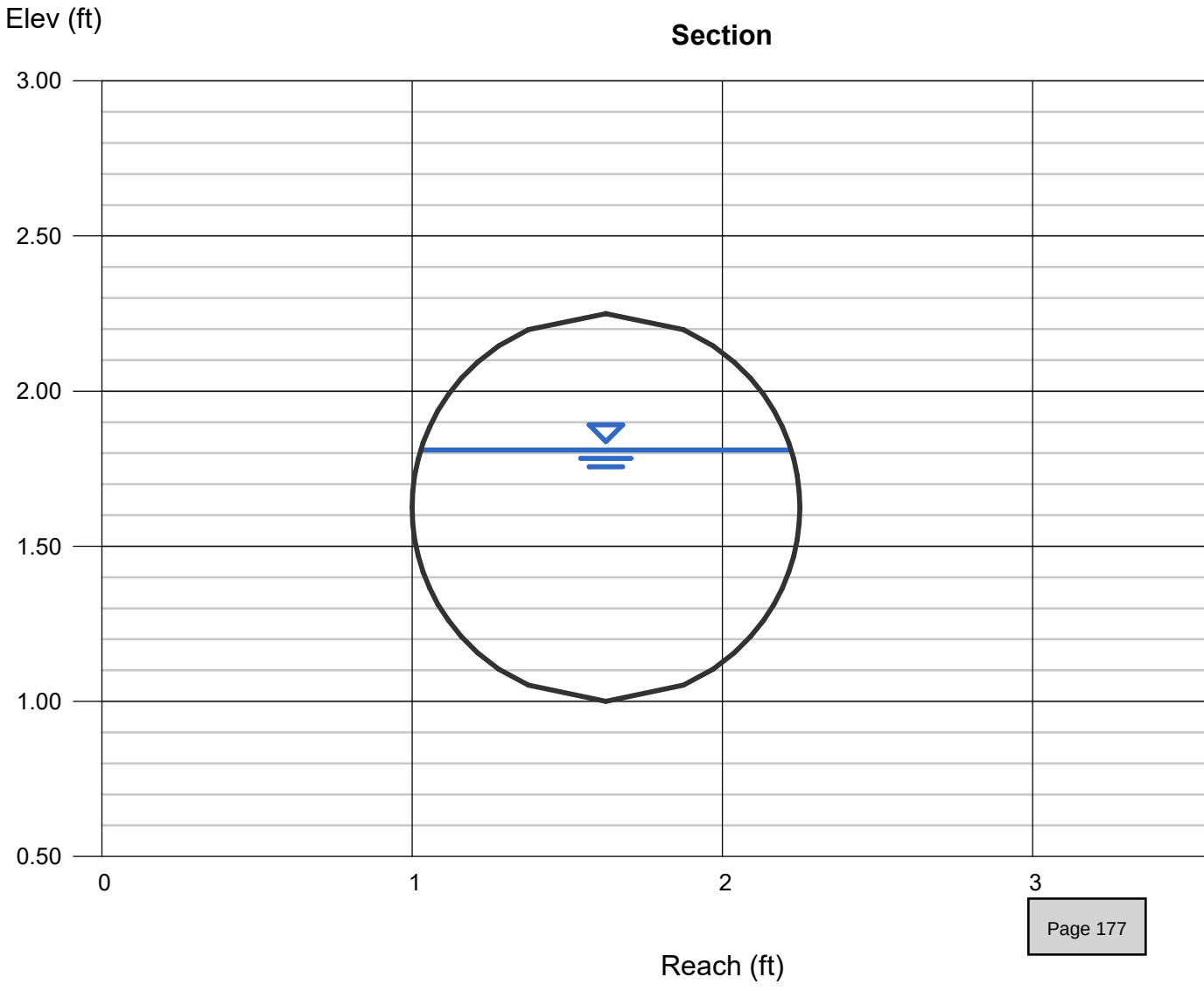
Diameter (ft)	= 1.25
Invert Elev (ft)	= 1.00
Slope (%)	= 0.50
N-Value	= 0.013

Calculations

Compute by:	Known Q
Known Q (cfs)	= 3.38

Highlighted

Depth (ft)	= 0.81
Q (cfs)	= 3.380
Area (sqft)	= 0.84
Velocity (ft/s)	= 4.00
Wetted Perim (ft)	= 2.34
Crit Depth, Yc (ft)	= 0.74
Top Width (ft)	= 1.19
EGL (ft)	= 1.06



Channel Report

Roof Drain Pipe ~ 6" PVC

Circular

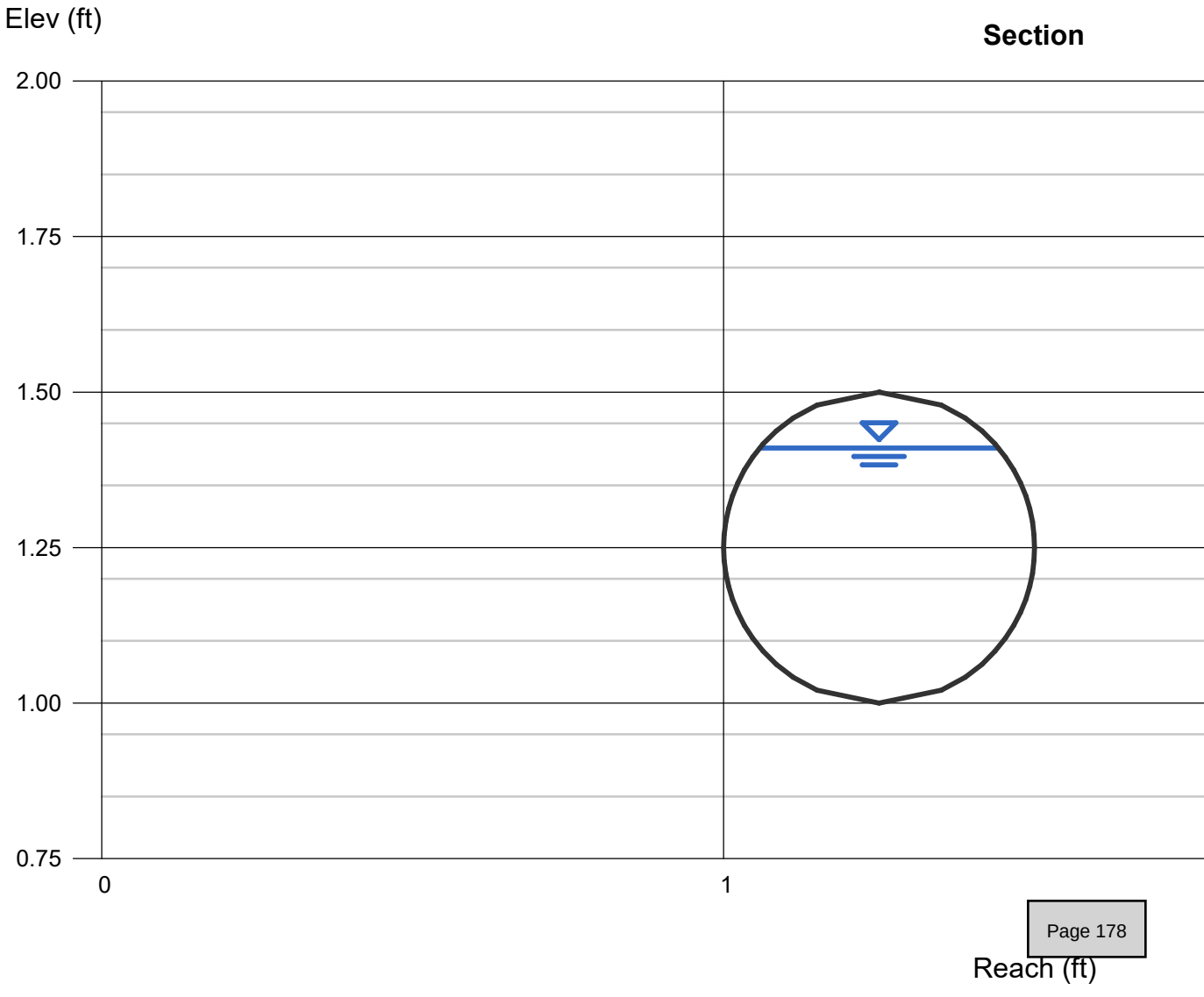
Diameter (ft)	= 0.50
Invert Elev (ft)	= 1.00
Slope (%)	= 1.00
N-Value	= 0.011

Calculations

Compute by:	Known Q
Known Q (cfs)	= 0.65

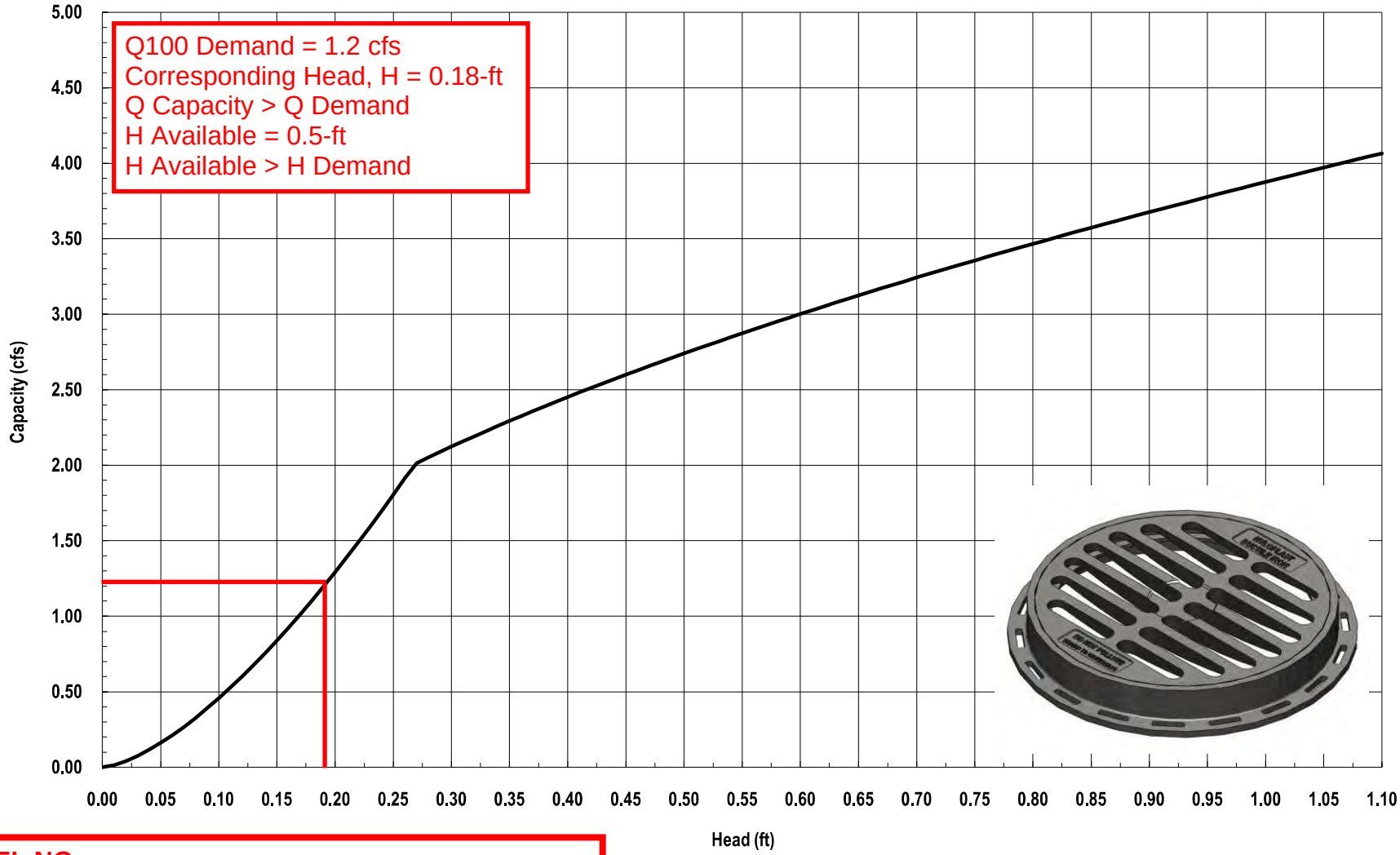
Highlighted

Depth (ft)	= 0.41
Q (cfs)	= 0.650
Area (sqft)	= 0.17
Velocity (ft/s)	= 3.76
Wetted Perim (ft)	= 1.14
Crit Depth, Yc (ft)	= 0.41
Top Width (ft)	= 0.38
EGL (ft)	= 0.63



DP-1 18" LS Inlet Capacity

Nyloplast 18" Standard Grate Inlet Capacity Chart



MODEL NO:
ADS NYLOPLAST 18" DRAIN BASIN 2818AG WITH PEDESTRIAN GRATE COVER PART NO. 1899GCP

Nyloplast®
3130 Verona Avenue • Buford, GA 30518
(866) 888-8479 / (770) 932-2443 • Fax: (770) 932-2490

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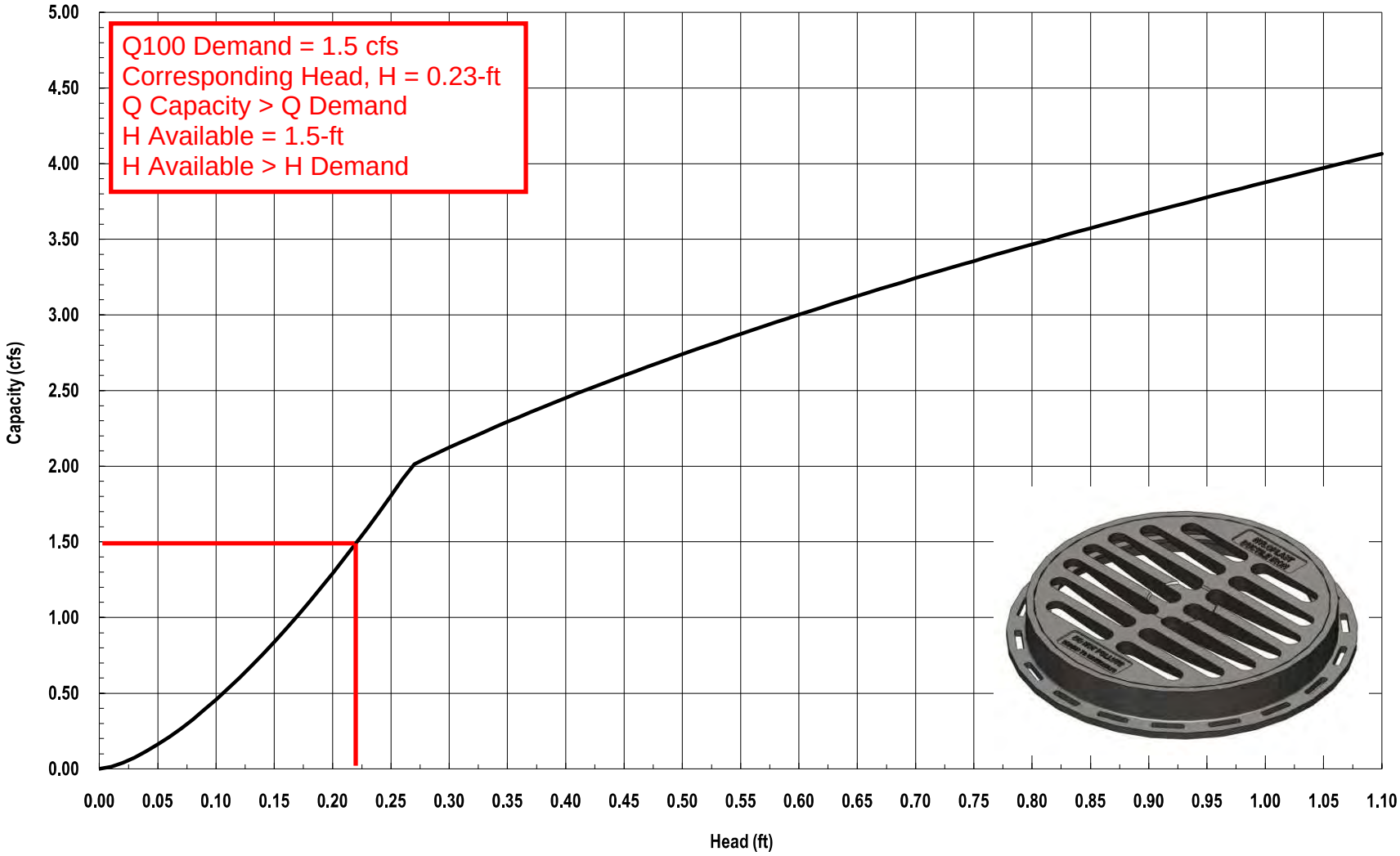
DP-2 18" LS Inlet Capacity

Nyloplast 18" Standard Grate Inlet Capacity Chart



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SWALE CAPACITY KEY MAP

SAND FILTER DETENTION AND WATER QUALITY POND
WQCV VOL REQ'D = 0.007 AC-FT
100-YR VOL REQ'D = 0.046 AC-FT
TOTAL VOL PROV'D = 0.073 AC-FT
MAX DEPTH = 4-FT
100-YR WSEL = 6472.55
66' L X 12' W

OUTLET STRUCTURE TYPE C INLET
4' DIA FLAT TOP MH
15" RCP
4" SLOTTED PVC PIPE
SAND FILTER AREA
4" CO
12'
66'
DRG ESMT (VARIABLE WIDTH)
OP1
OP3
EX 7' DRAI UTILIT
10" PVC
18" INLET LS
8" PVC
6" PVC
16' ROW
S09° 27' 25"E 200.90
5' REAR SETBACK
15' UE
5' SIDE SETBACK
STAIRS
PATIO
ROOF DECK OVERHANG (TYP)
ROOF DRAIN
SECTION B. BASIN B SWALE
SECTION C. BASIN C SWALE
SECTION A. TYPICAL GRASS-LINED AND CRUSHED GRANITE SWALE SECTION
EX 25' INGRESS/ EGRESS & UTILITY ESMT
EX 15' LANDSCAPE TRACT
S09° 26' 08"E 200.98'
S80° 18' 30"W 132.75'
N80° 16' 40"E 132.82'
DRIVEWAY
EX 18" RCP (PUBLIC)
EX 12" RCP (PUBLIC)
EX TYPE R - 10' (PUBLIC)
EX TYPE R - 5' (PUBLIC)
6" PVC 90° BEND
60' ROW

UNIT A 530 SOUTH BANNER STREET
UNIT B 540 SOUTH BANNER STREET
UNIT C 550 SOUTH BANNER STREET
UNIT D 560 SOUTH BANNER STREET
UNIT E 570 SOUTH BANNER STREET
UNIT F 580 SOUTH BANNER STREET

BUILDING FF = 6488.00
BUILDING FF = 6488.00
BUILDING FF = 6487.50
BUILDING FF = 6487.00
BUILDING FF = 6487.00

A 0.04 0.85
B 0.18 0.64
C 0.26 0.60
D 0.04 0.85
UD1 0.06 0.70
UD2 0.02 0.43
UD3 0.02 0.43

SPRUCE ST (60' ROW)
CHESTNUT ST (60' ROW)
BANNER ST (60' ROW)

KEYMAP
1" = 100'
SPRUCE ST
BANNER ST
CHESTNUT ST

TRIBUTARY BASIN FLOW FOR CRUSHED GREANITE SWALE
AREA = 3,670 SF (0.08 AC)
% IMP = 80.5%
TC = 5 MIN
C5 = 0.68
C100 = 0.80
I5 = 3.90 IN/HR
I100 = 8.14 IN/HR
Q = CIA
Q5 = 0.22 CFS
Q100 = 0.55 CFS

NOTES:

1. THE SITE IS NOT LOCATED WITHIN A 100-YEAR FLOODPLAIN PER FEMA FIRM MAP #08039C0480C DATED 03/17/11.
2. THERE ARE NO MAJOR DRAINAGE-WAYS OR IRRIGATION DITCHES THAT TRAVEL THROUGH THE SITE.
3. EX CURB TYPE ALONG BANNER, SPRUCE AND CHESTNUT STREET IS CONCRETE MONOLITHIC POURED STREET, CURB HEAD AND SWLK.
4. BENCHMARK IS 88 DATUM BASED UPON GPS OBSERVATION. LS 31548 BRASS CAP LOCATED AT NW CORNER OF SITE. EL = 6499.2.

811 Know what's below. Call before you dig.
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

SUMMA

DESIGN POINT	CONTRIBUTING AREA (ACRES)	DIRECT RUNOFF 5-YEAR (CFS)	DIRECT PEAK RUNOFF 100-YEAR (CFS)	TOTAL RUNOFF 5-YEAR (CFS)	TOTAL PEAK RUNOFF 100-YEAR (CFS)
1	0.22	0.37	1.21	0.37	1.19
	A, B				
2	0.30	0.41	1.54	0.40	1.52
	C, D				
3	0.52	0.79	2.75	0.76	2.69
	A, B, C, D				

10 0 10
HORIZONTAL SCALE: 1" = 10'

LEGEND:
- EXISTING CONTOUR (5280)
- PROPOSED CONTOUR (5280)
- BASIN BOUNDARY
- EMERGENCY OVERFLOW PATH
- DESIGN POINT (7)
- FLOW DIRECTION
- BASIN DESIGNATION (A / B C)
- BASIN AREA IN ACRES
- 100-YR COMPOSITE RUNOFF COEFFICIENT

ROTH LANG ENGINEERING GROUP LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
DRAINAGE MAP

PREPARED FOR:
LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

ISSUE DATE: 02/24/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

SHEET NUMBER:
C12.00

Date: 3/28/2024 5:38 PM
S:_Projects\240104 - Elizabeth Townhomes\CADD\Sheet Sets\CD's\C12.00 - DRAINAGE MAP.dwg

Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Friday, Mar 29 2024

SECTION A
GRASS-LINED SWALE ~ Q100

Triangular

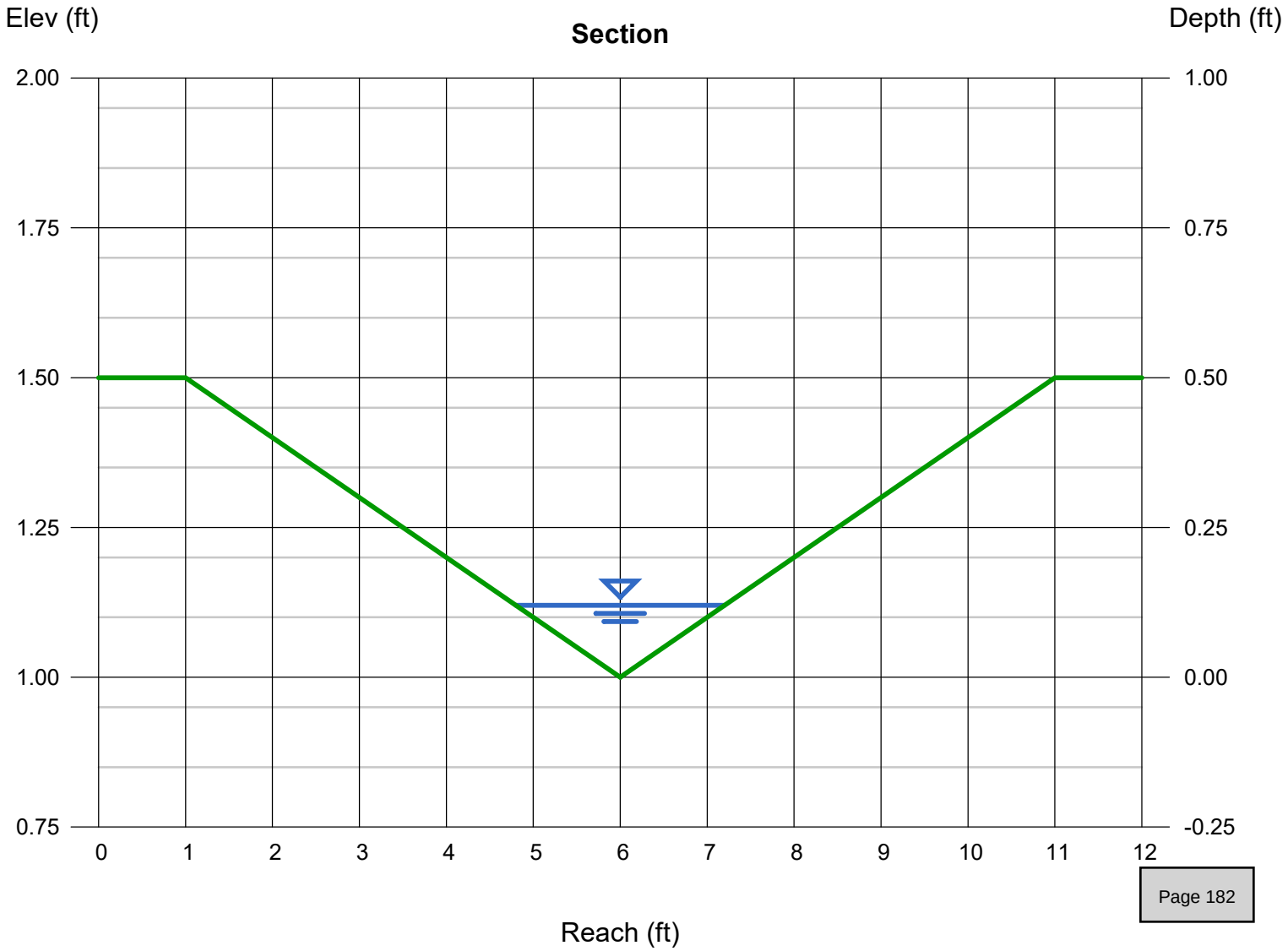
Side Slopes (z:1)	= 10.00, 10.00
Total Depth (ft)	= 0.50
Invert Elev (ft)	= 1.00
Slope (%)	= 25.00
N-Value	= 0.025

Calculations

Compute by:	Known Q
Known Q (cfs)	= 0.55

Highlighted

Depth (ft)	= 0.12
Q (cfs)	= 0.550
Area (sqft)	= 0.14
Velocity (ft/s)	= 3.82
Wetted Perim (ft)	= 2.41
Crit Depth, Yc (ft)	= 0.18
Top Width (ft)	= 2.40
EGL (ft)	= 0.35



Channel Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Friday, Mar 29 2024

SECTION B
BASIN B SWALE ~ Q100

Triangular

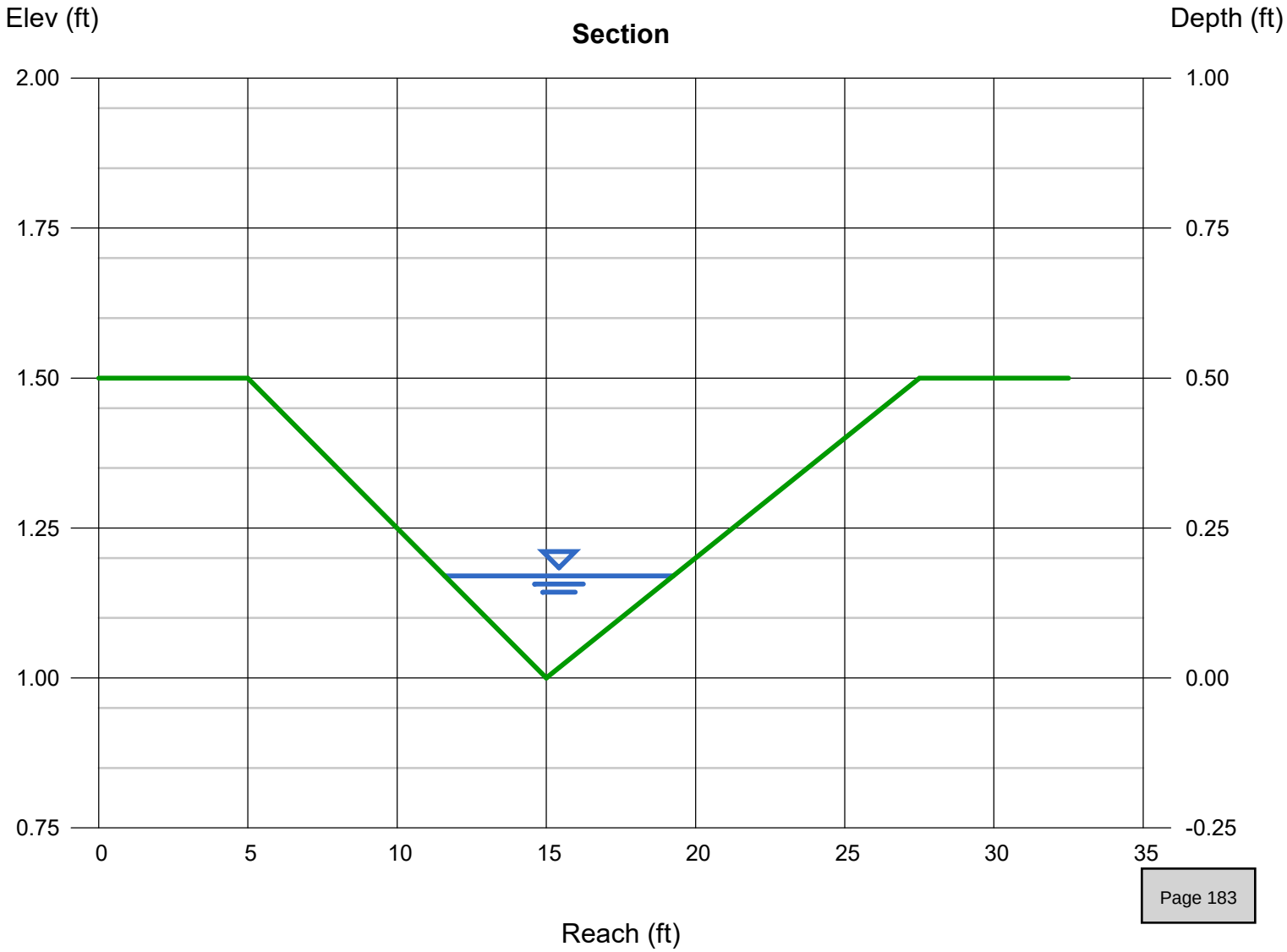
Side Slopes (z:1)	= 20.00, 25.00
Total Depth (ft)	= 0.50
Invert Elev (ft)	= 1.00
Slope (%)	= 2.00
N-Value	= 0.025

Calculations

Compute by:	Known Q
Known Q (cfs)	= 0.94

Highlighted

Depth (ft)	= 0.17
Q (cfs)	= 0.940
Area (sqft)	= 0.65
Velocity (ft/s)	= 1.45
Wetted Perim (ft)	= 7.66
Crit Depth, Yc (ft)	= 0.17
Top Width (ft)	= 7.65
EGL (ft)	= 0.20



Channel Report

SECTION C
BASIN C SWALE ~ Q100

Triangular

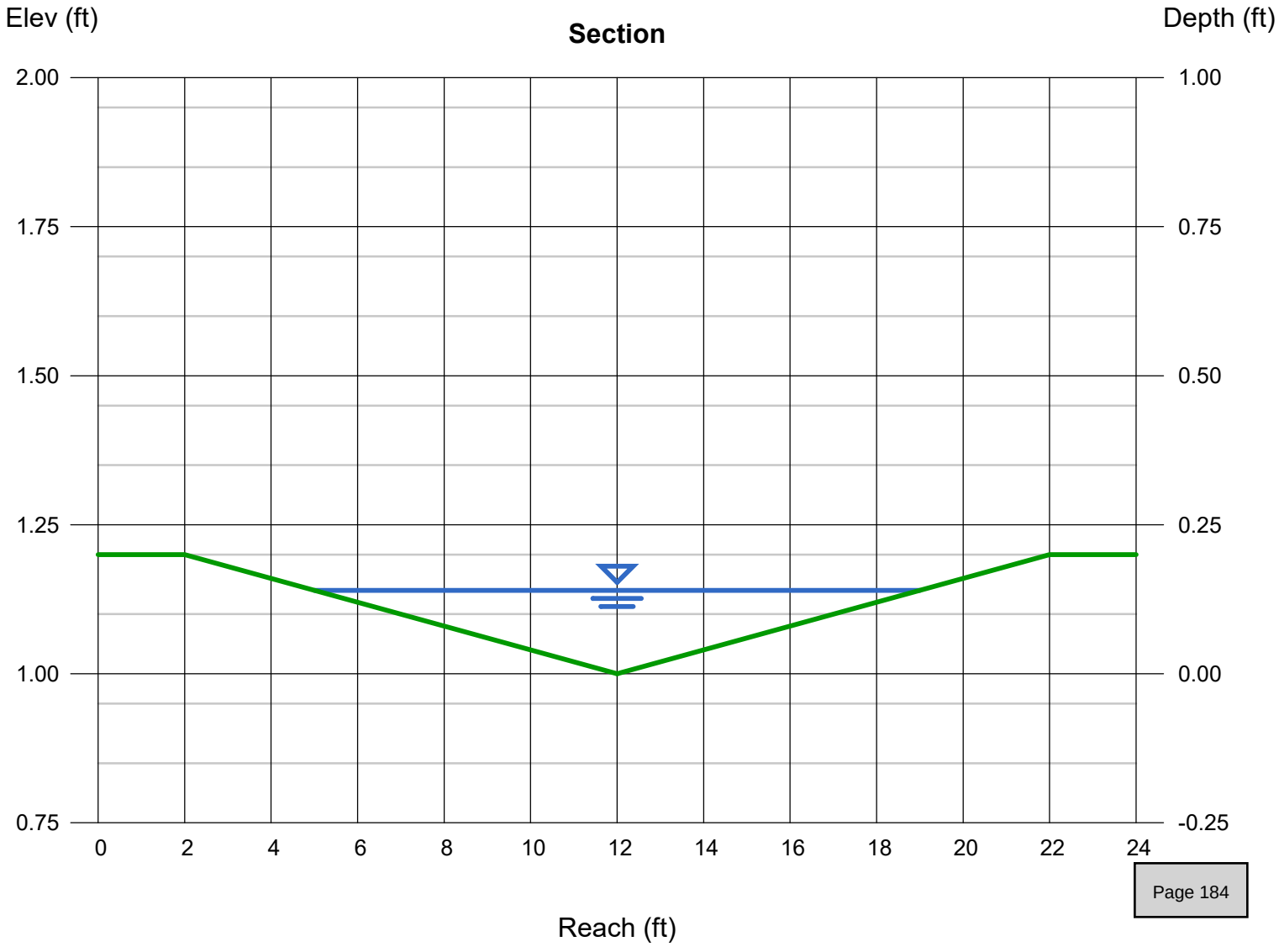
Side Slopes (z:1)	= 50.00, 50.00
Total Depth (ft)	= 0.20
Invert Elev (ft)	= 1.00
Slope (%)	= 2.00
N-Value	= 0.025

Calculations

Compute by:	Known Q
Known Q (cfs)	= 1.28

Highlighted

Depth (ft)	= 0.14
Q (cfs)	= 1.280
Area (sqft)	= 0.98
Velocity (ft/s)	= 1.31
Wetted Perim (ft)	= 14.00
Crit Depth, Yc (ft)	= 0.14
Top Width (ft)	= 14.00
EGL (ft)	= 0.17



Weir Report

Hydraflow Express Extension for Autodesk® Civil 3D® by Autodesk, Inc. Friday, Mar 29 2024

EMERGENCY OVERFLOW SPILLWAY

Rectangular Weir

Crest	= Sharp
Bottom Length (ft)	= 5.00
Total Depth (ft)	= 1.50

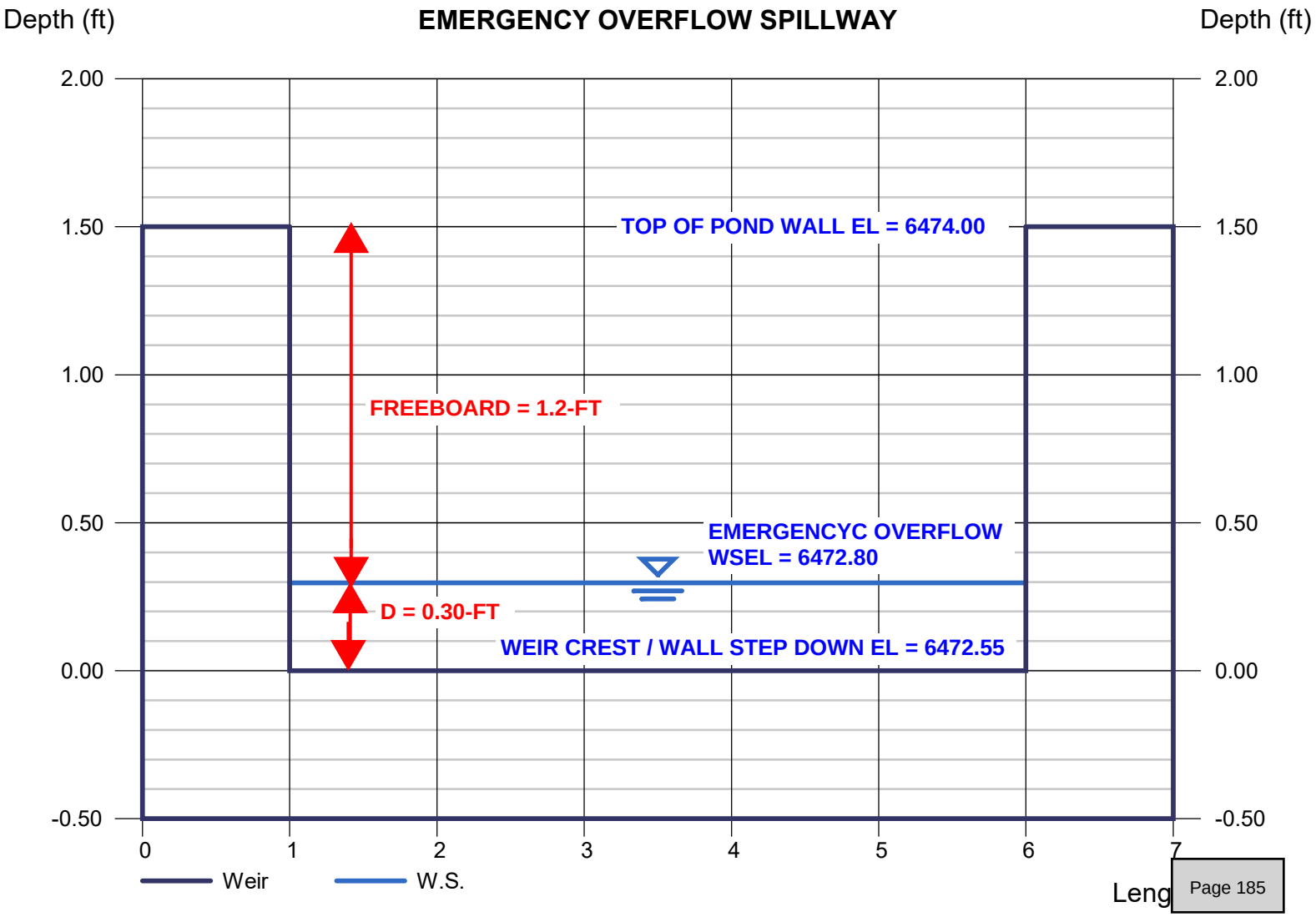
Calculations

Weir Coeff. Cw	= 3.33
Compute by:	Known Q
Known Q (cfs)	= 2.69

Highlighted

Depth (ft)	= 0.30
Q (cfs)	= 2.690
Area (sqft)	= 1.48
Velocity (ft/s)	= 1.81
Top Width (ft)	= 5.00

Q100 UNDETAINED



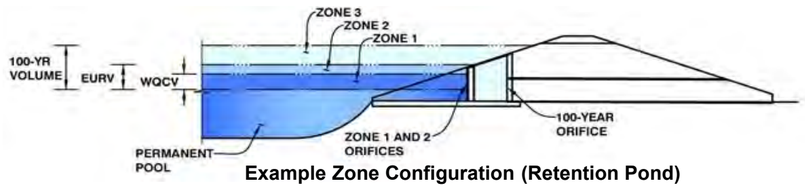
APPENDIX E – Detention and Water Quality

DETENTION BASIN STAGE-STORAGE TABLE BUILDER

MHFD-Detention, Version 4.06 (July 2022)

Project: BANNER PAIRED HOMES

Basin ID: SAND FILTER COMBINED WITH FULL SPECTRUM DETENTION (FIGURE 12-9)



Example Zone Configuration (Retention Pond)

Watershed Information

Selected BMP Type =	EDB	
Watershed Area =	0.52	acres
Watershed Length =	300	ft
Watershed Length to Centroid =	150	ft
Watershed Slope =	0.040	ft/ft
Watershed Imperviousness =	50.10%	percent
Percentage Hydrologic Soil Group A =	0.0%	percent
Percentage Hydrologic Soil Group B =	100.0%	percent
Percentage Hydrologic Soil Groups C/D =	0.0%	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) =	0.009	acre-feet		acre-feet
Excess Urban Runoff Volume (EURV) =	0.028	acre-feet		acre-feet
2-yr Runoff Volume (P1 = 0.86 in.) =	0.016	acre-feet	0.86	inches
5-yr Runoff Volume (P1 = 1.15 in.) =	0.023	acre-feet	1.15	inches
10-yr Runoff Volume (P1 = 1.4 in.) =	0.032	acre-feet	1.40	inches
25-yr Runoff Volume (P1 = 1.77 in.) =	0.049	acre-feet	1.77	inches
50-yr Runoff Volume (P1 = 2.07 in.) =	0.061	acre-feet	2.07	inches
100-yr Runoff Volume (P1 = 2.4 in.) =	0.077	acre-feet	2.40	inches
500-yr Runoff Volume (P1 = 3.14 in.) =	0.109	acre-feet		inches
Approximate 2-yr Detention Volume =	0.015	acre-feet		
Approximate 5-yr Detention Volume =	0.022	acre-feet		
Approximate 10-yr Detention Volume =	0.031	acre-feet		
Approximate 25-yr Detention Volume =	0.037	acre-feet		
Approximate 50-yr Detention Volume =	0.040	acre-feet		
Approximate 100-yr Detention Volume =	0.046	acre-feet		

Define Zones and Basin Geometry

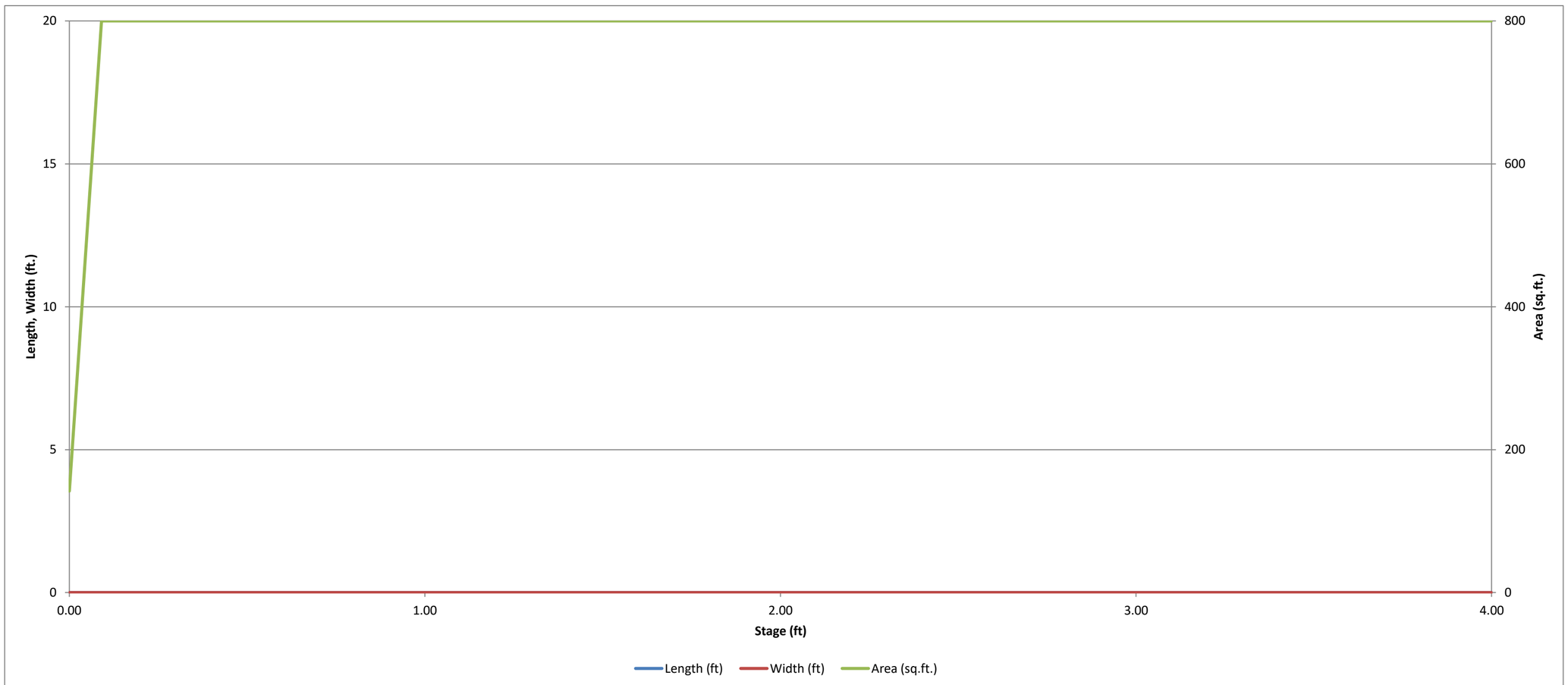
Zone 1 Volume (WQCV) =	0.009	acre-feet
Zone 2 Volume (5-year - Zone 1) =	0.013	acre-feet
Zone 3 Volume (100-year - Zones 1 & 2) =	0.024	acre-feet
Total Detention Basin Volume =	0.046	acre-feet
Initial Surcharge Volume (ISV) =	user	ft^3
Initial Surcharge Depth (ISD) =	user	ft
Total Available Detention 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

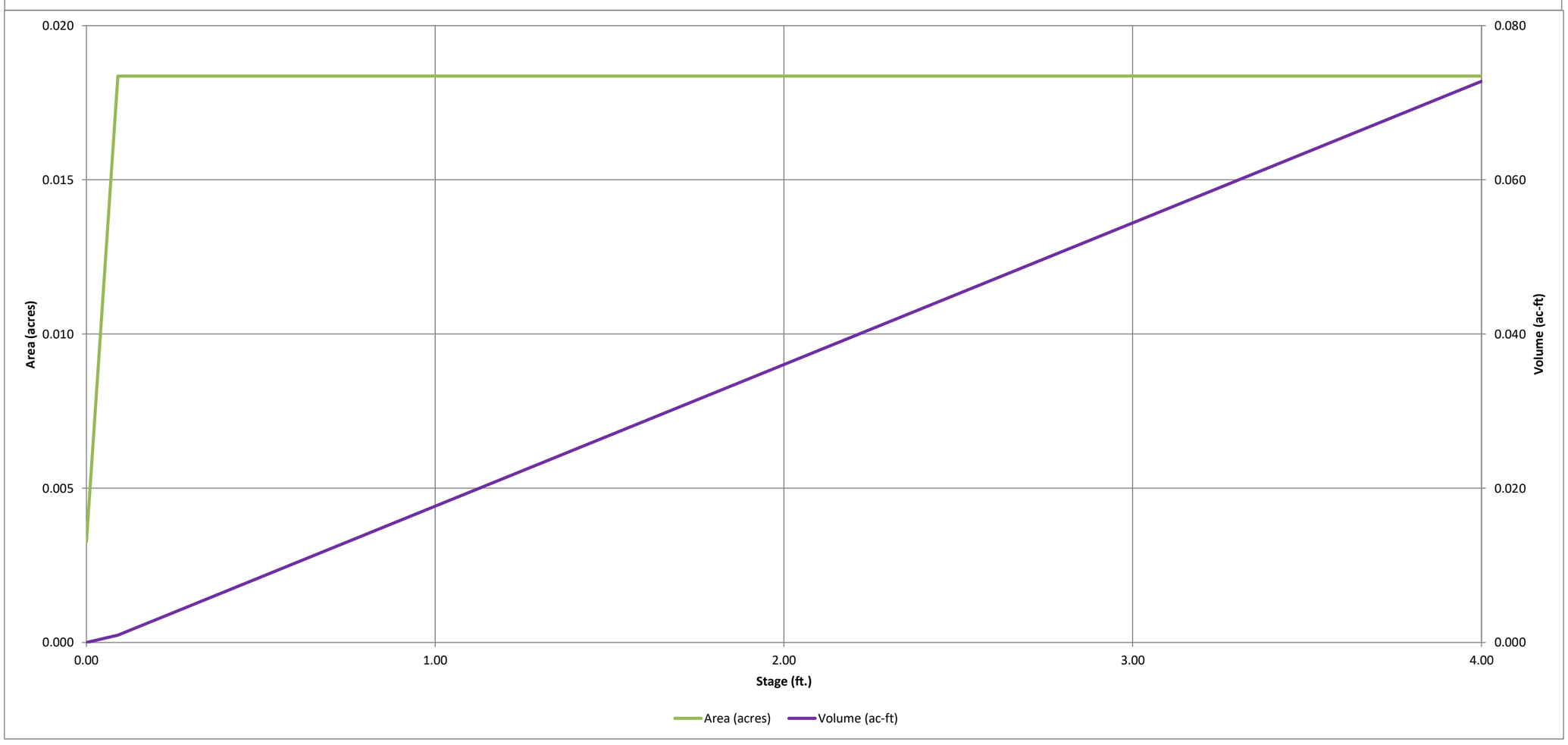
Depth Increment = 0.10 ft

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	--	--	--	142	0.003		
	--	0.09	--	--	--	800	0.018	42	0.001
	--	1.00	--	--	--	800	0.018	770	0.018
	--	2.00	--	--	--	800	0.018	1,570	0.036
	--	3.00	--	--	--	800	0.018	2,370	0.054
	--	4.00	--	--	--	800	0.018	3,170	0.073
	--		--	--	--				
	--		--	--	--				
	--		--	--	--			

DETENTION BASIN STAGE-STORAGE TABLE BUILDER

MHFD-Detention, Version 4.06 (July 2022)



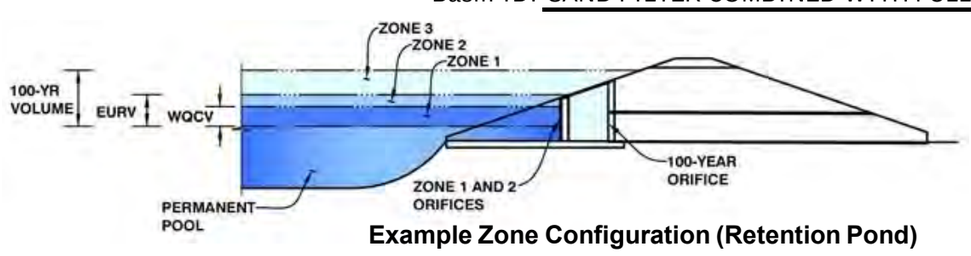


DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.06 (July 2022)

Project: BANNER PAIRED HOMES

Basin ID: SAND FILTER COMBINED WITH FULL SPECTRUM DETENTION (FIGURE 12-9)



Example Zone Configuration (Retention Pond)

	Estimated Stage (ft)	Estimated Volume (ac-ft)	Outlet Type
Zone 1 (WQCV)	0.50	0.009	Orifice Plate
Zone 2 (5-year)	1.22	0.013	Circular Orifice
Zone 3 (100-year)	2.56	0.024	Weir&Pipe (Restrict)
Total (all zones)		0.046	

User Input: Orifice at Underdrain Outlet (typically used to drain WQCV in a Filtration BMP)

			Calculated Parameters for Underdrain		
Underdrain Orifice Invert Depth =	N/A	ft (distance below the filtration media surface)	Underdrain Orifice Area =	N/A	ft^2
Underdrain Orifice Diameter =	N/A	inches	Underdrain Orifice Centroid =	N/A	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)

			Calculated Parameters for Plate		
Centroid of Lowest Orifice =	0.00	ft (relative to basin bottom at Stage = 0 ft)	WQ Orifice Area per Row =	1.250E-03	ft^2
Depth at top of Zone using Orifice Plate =	0.53	ft (relative to basin bottom at Stage = 0 ft)	Elliptical Half-Width =	N/A	feet
Orifice Plate: Orifice Vertical Spacing =	2.10	inches	Elliptical Slot Centroid =	N/A	feet
Orifice Plate: Orifice Area per Row =	0.18	sq. inches (diameter = 1/2 inch)	Elliptical Slot Area =	N/A	ft^2

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	0.18	0.35					
Orifice Area (sq. inches)	0.18	0.18	0.18					

	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 Circular	Not Selected		Calculated Parameters for Vertical Orifice	Zone 2 Circular	Not Selected	
Invert of Vertical Orifice =	0.53	N/A	ft (relative to basin bottom at Stage = 0 ft)	Vertical Orifice Area =	0.00	N/A	ft^2
Depth at top of Zone using Vertical Orifice =	1.24	N/A	ft (relative to basin bottom at Stage = 0 ft)	Vertical Orifice Centroid =	0.03	N/A	feet
Vertical Orifice Diameter =	0.69	N/A	inches				

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		Calculated Parameters for Overflow Weir	Zone 3 Weir	Not Selected	
Overflow Weir Front Edge Height, Ho =	1.24	N/A	ft (relative to basin bottom at Stage = 0 ft)	Height of Grate Upper Edge, H_t =	1.24	N/A	feet
Overflow Weir Front Edge Length =	3.92	N/A	feet	Overflow Weir Slope Length =	3.92	N/A	feet
Overflow Weir Grate Slope =	0.00	N/A	H:V	Grate Open Area / 100-yr Orifice Area =	218.96	N/A	
Horiz. Length of Weir Sides =	3.92	N/A	feet	Overflow Grate Open Area w/o Debris =	10.70	N/A	ft^2
Overflow Grate Type =	Type C Grate	N/A		Overflow Grate Open Area w/ Debris =	5.35	N/A	ft^2
Debris Clogging % =	50%	N/A	%				

User Input: Outlet Pipe w/ Flow Restriction Plate (Circular Orifice, Restrictor Plate, or Rectangular Orifice)

	Zone 3 Restrictor	Not Selected		Calculated Parameters for Outlet Pipe w/ Flow Restriction Plate	Zone 3 Restrictor	Not Selected	
Depth to Invert of Outlet Pipe =	2.50	N/A	ft (distance below basin bottom at Stage = 0 ft)	Outlet Orifice Area =	0.05	N/A	ft^2
Outlet Pipe Diameter =	15.00	N/A	inches	Outlet Orifice Centroid =	0.06	N/A	feet
Restrictor Plate Height Above Pipe Invert =	1.25		inches	Half-Central Angle of Restrictor Plate on Pipe =	0.59	N/A	radians

User Input: Emergency Spillway (Rectangular or Trapezoidal)

			Calculated Parameters for Spillway		
Spillway Invert Stage=	2.50	ft (relative to basin bottom at Stage = 0 ft)	Spillway Design Flow Depth=	0.18	feet
Spillway Crest Length =	5.00	feet	Stage at Top of Freeboard =	3.68	feet
Spillway End Slopes =	0.00	H:V	Basin Area at Top of Freeboard =	0.02	acres
Freeboard above Max Water Surface =	1.00	feet	Basin Volume at Top of Freeboard =	0.07	acre-ft

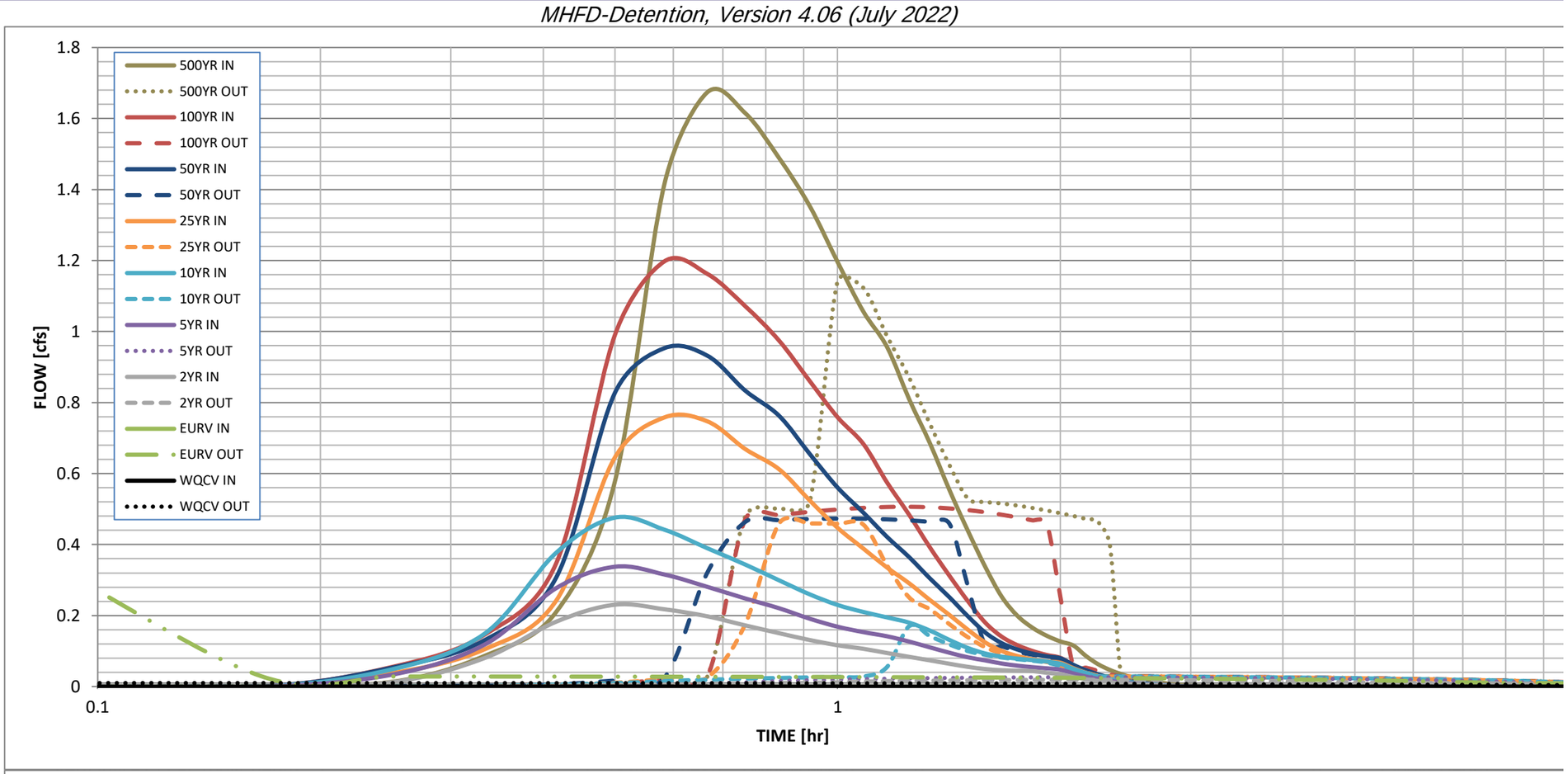
Routed Hydrograph Results

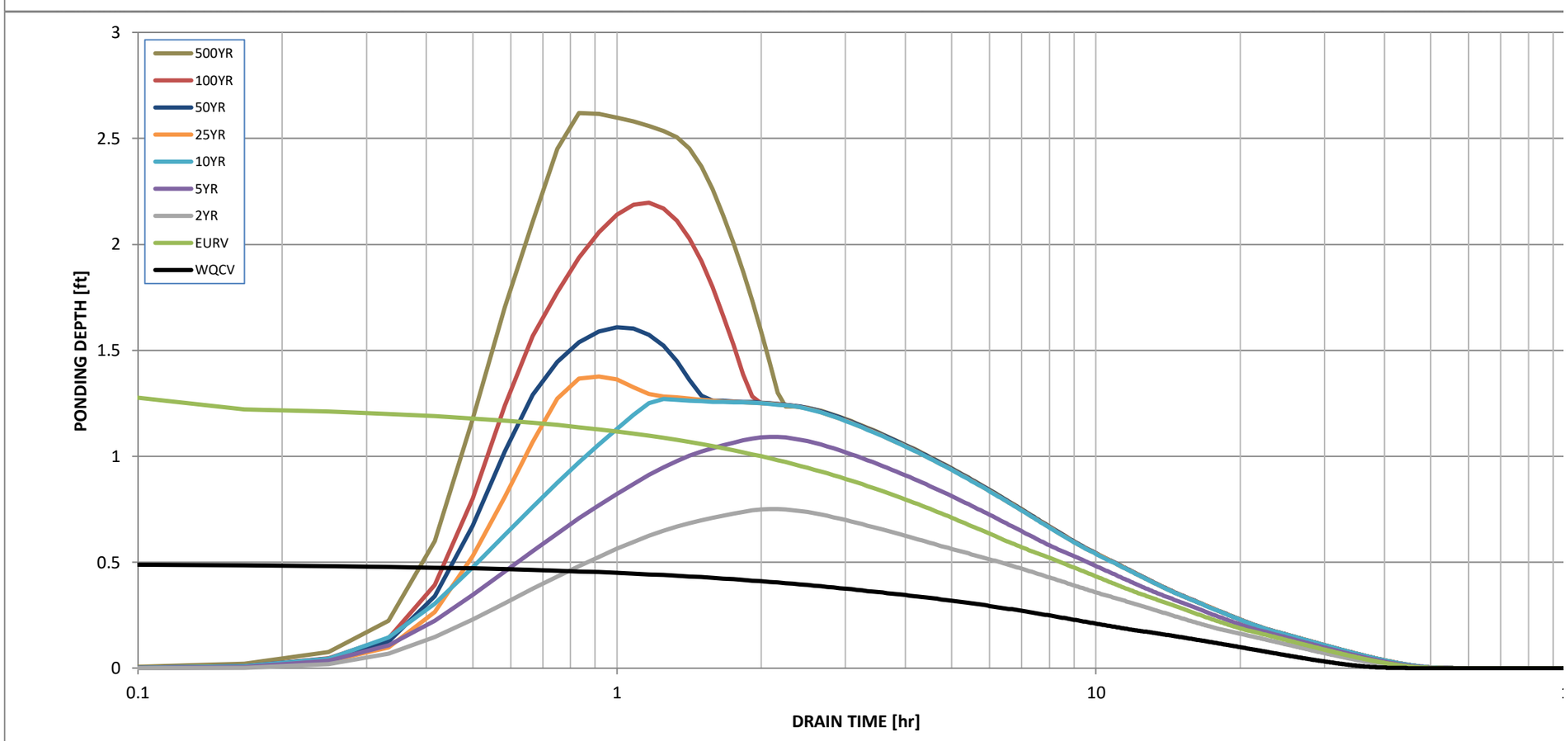
The user can override the default CUHP hydrographs and runoff volumes by entering new values in the Inflow Hydrographs table (Columns W through AF).

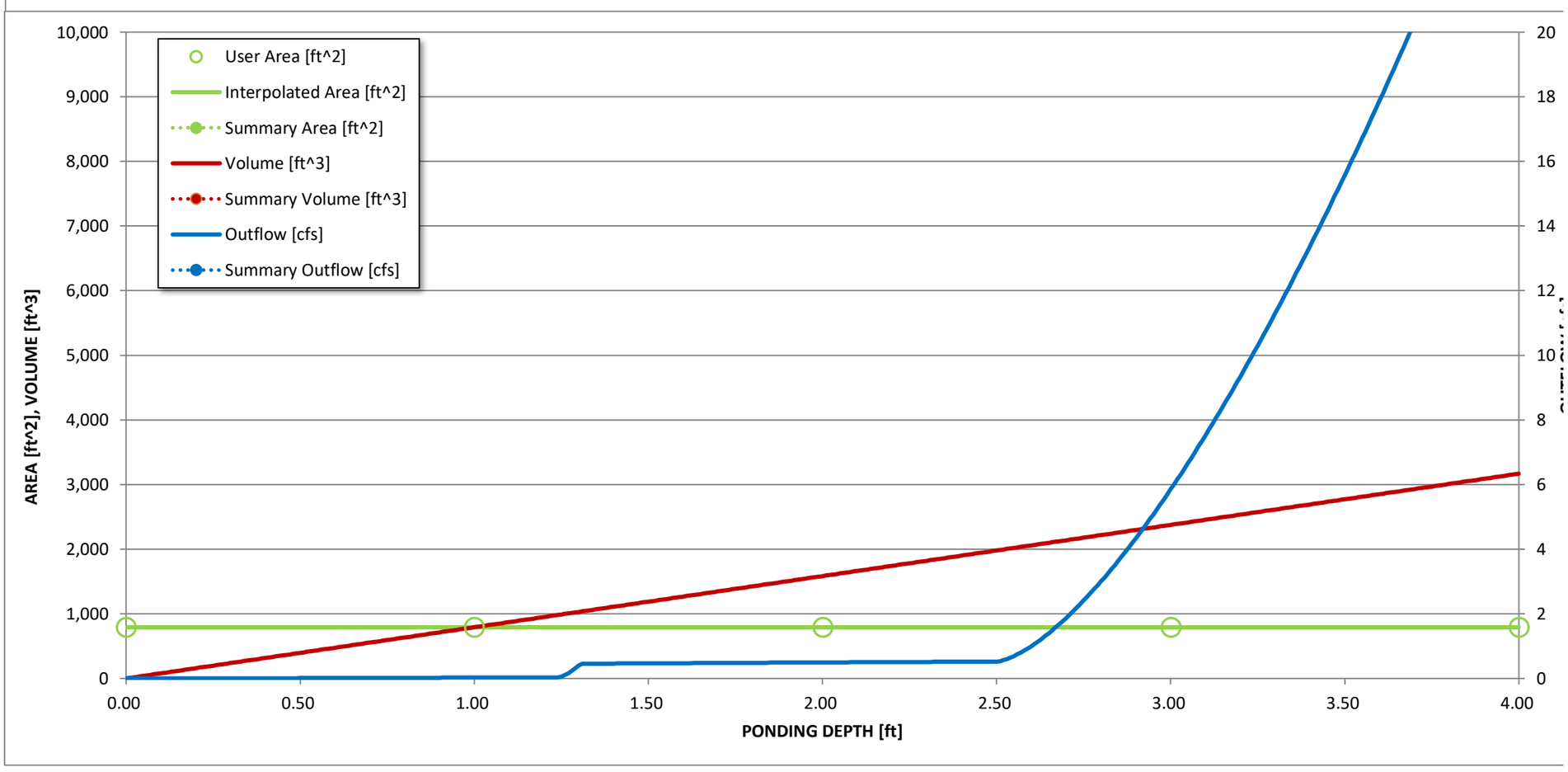
Design Storm Return Period =	WQCV	EURV	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year	500 Year
One-Hour Rainfall Depth (in) =	N/A	N/A	0.86	1.15	1.40	1.77	2.07	2.40	3.14
CUHP Runoff Volume (acre-ft) =	0.009	0.028	0.016	0.023	0.032	0.049	0.061	0.077	0.109
Inflow Hydrograph Volume (acre-ft) =	N/A	N/A	0.016	0.023	0.032	0.049	0.061	0.077	0.109
CUHP Predevelopment Peak Q (cfs) =	N/A	N/A	0.0	0.0	0.1	0.3	0.4	0.6	0.9
OPTIONAL Override Predevelopment Peak Q (cfs) =	N/A	N/A							
Predevelopment Unit Peak Flow, q (cfs/acre) =	N/A	N/A	0.01	0.04	0.19	0.58	0.81	1.12	1.69
Peak Inflow Q (cfs) =	N/A	N/A	0.2	0.3	0.5	0.8	1.0	1.2	1.7
Peak Outflow Q (cfs) =	0.0	0.5	0.0	0.0	0.2	0.5	0.5	0.5	1.1
Ratio Peak Outflow to Predevelopment Q =	N/A	N/A	N/A	1.2	1.7	1.5	1.1	0.9	1.3
Structure Controlling Flow =	Plate	Outlet Plate 1	Vertical Orifice 1	Vertical Orifice 1	Overflow Weir 1	Outlet Plate 1	Outlet Plate 1	Outlet Plate 1	Spillway
Max Velocity through Grate 1 (fps) =	N/A	0.04	N/A	N/A	0.0	0.0	0.0	0.0	0.0
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) =	34	36	38	39	37	33	31	28	23
Time to Drain 99% of Inflow Volume (hours) =	38	43	43	45	44	42	41	39	36
Maximum Ponding Depth (ft) =	0.50	1.55	0.75	1.09	1.27	1.38	1.61	2.20	2.62
Area at Maximum Ponding Depth (acres) =	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Maximum Volume Stored (acre-ft) =	0.009	0.028	0.014	0.020	0.023	0.025	0.029	0.040	0.047

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.

e Interval	SOURCE	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP
	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]
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	0.01
	0:15:00	0.00	0.00	0.01	0.03	0.05	0.04	0.05	0.06	0.09
	0:20:00	0.00	0.00	0.08	0.12	0.15	0.10	0.13	0.15	0.21
	0:25:00	0.00	0.00	0.18	0.28	0.38	0.24	0.31	0.35	0.58
	0:30:00	0.00	0.00	0.23	0.34	0.48	0.65	0.83	0.99	1.42
	0:35:00	0.00	0.00	0.22	0.32	0.44	0.76	0.95	1.20	1.67
	0:40:00	0.00	0.00	0.20	0.28	0.39	0.75	0.93	1.16	1.62
	0:45:00	0.00	0.00	0.17	0.25	0.34	0.67	0.83	1.07	1.49
	0:50:00	0.00	0.00	0.15	0.22	0.30	0.61	0.76	0.97	1.35
	0:55:00	0.00	0.00	0.13	0.19	0.26	0.52	0.66	0.86	1.20
	1:00:00	0.00	0.00	0.12	0.17	0.23	0.45	0.56	0.76	1.06
	1:05:00	0.00	0.00	0.11	0.15	0.21	0.39	0.49	0.68	0.96
	1:10:00	0.00	0.00	0.09	0.14	0.19	0.33	0.42	0.57	0.81
	1:15:00	0.00	0.00	0.08	0.13	0.18	0.29	0.36	0.48	0.68
	1:20:00	0.00	0.00	0.07	0.11	0.16	0.24	0.30	0.39	0.55
	1:25:00	0.00	0.00	0.06	0.10	0.13	0.20	0.25	0.31	0.44
	1:30:00	0.00	0.00	0.06	0.08	0.11	0.16	0.20	0.24	0.34
	1:35:00	0.00	0.00	0.05	0.07	0.09	0.12	0.15	0.18	0.25
	1:40:00	0.00	0.00	0.05	0.06	0.08	0.10	0.12	0.14	0.20
	1:45:00	0.00	0.00	0.04	0.06	0.08	0.09	0.10	0.12	0.17
	1:50:00	0.00	0.00	0.04	0.05	0.07	0.08	0.09	0.10	0.14
	1:55:00	0.00	0.00	0.04	0.05	0.07	0.07	0.08	0.09	0.13
	2:00:00	0.00	0.00	0.03	0.05	0.06	0.07	0.08	0.08	0.12
	2:05:00	0.00	0.00	0.03	0.04	0.05	0.05	0.06	0.06	0.09
	2:10:00	0.00	0.00	0.02	0.03	0.04	0.04	0.05	0.04	0.06
	2:15:00	0.00	0.00	0.02	0.02	0.03	0.03	0.03	0.03	0.05
	2:20:00	0.00	0.00	0.01	0.02	0.02	0.02	0.03	0.02	0.04
	2:25:00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.03
	2:30:00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02
	2:35:00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
	2:40:00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	2:45:00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
	2:50:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2:55:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	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]

Predeveloped Peak Unit Flowrates and 5-Year Release Rates

See the Technical Memorandum entitled *UDFCD Predeveloped Peak Unit Flowrates,* dated December 21, 2016 for documentation of the following equation and tables. This is available at www.udfcd.org.

$$q = P_1 C_1 S^{C_2} \left(\frac{L^2}{A} \right)^{C_3}$$ Equation 12-5

Table 12-7. Coefficients for NRCS hydrologic soil group B

Return Period →		2-Year	5-Year	10-Year	25-Year	50-Year	100-Year	500-Year
Leading Coeff.	C_1	0.0285	0.0377	0.3509	0.8566	1.0437	1.2088	1.4061
Slope Exp.	C_2	0.1911	0.1855	0.2069	0.1761	0.1743	0.1677	0.1640
Shape Exp.	C_3	-0.4045	-0.3950	-0.4446	-0.3729	-0.3696	-0.3542	-0.3470

P1 =	1.15	One-hour precipitation depth (in) from NOAA Atlas 14
C1 =	0.0377	Coefficient from Table 12-7
S =	0.04	Watershed flow path slope (ft/ft)
C2 =	0.1855	Coefficient from Table 12-7
L =	300	Watershed flow path length (ft)
A =	22611	Tributary area (ft^2)
C3=	-0.395	Coefficient from Table 12-7

q =	**0.01**	**cfs/acre**	**Weighted average unit release rate**

$$Q = 0.9aq$$ Equation 12-6

Where:

Q = Allowable 100-year release rate (cfs)
a = Area of watershed (acres)
q = weighted average unit release rate based on relative proportions of watershed soil types (cfs/acre)

Unless otherwise recommended in an approved master plan, the maximum releases rates described in this section are for all full spectrum detention facilities.

Q =	0.9aq		
a =	0.52	acres	Area of watershed (acres)
q =	0.01	cfs/acre	Weighted average unit release rate
Q Predeveloped =	**0.01**	**cfs**	
Q Allowable =	**0.01**	**cfs**	**Max allowable 5-year release rate**

100-Year Release Rates

100-Year Release Rates

See the Technical Memorandum entitled *UDFCD Predeveloped Peak Unit Flowrates,* dated December 21, 2016 for documentation of the following equation and tables. This is available at www.udfcd.org.

$$q = P_1 C_1 S^{C_2} \left(\frac{L^2}{A} \right)^{C_3}$$ Equation 12-5

Table 12-7. Coefficients for NRCS hydrologic soil group B

Return Period →		2-Year	5-Year	10-Year	25-Year	50-Year	100-Year	500-Year
Leading Coeff.	C_1	0.0285	0.0377	0.3509	0.8566	1.0437	1.2088	1.4061
Slope Exp.	C_2	0.1911	0.1855	0.2069	0.1761	0.1743	0.1677	0.1640
Shape Exp.	C_3	-0.4045	-0.3950	-0.4446	-0.3729	-0.3696	-0.3542	-0.3470

P1 =	2.40	One-hour precipitation depth (in) from NOAA Atlas 14
C1 =	1.2088	Coefficient from Table 12-7
S =	0.04	Watershed flow path slope (ft/ft)
C2 =	0.1677	Coefficient from Table 12-7
L =	300	Watershed flow path length (ft)
A =	22611	Tributary area (ft^2)
C3=	-0.3542	Coefficient from Table 12-7

q =	**1.04**	**cfs/acre**	**Weighted average unit release rate**

$$Q = 0.9aq$$ Equation 12-6

Where:

- Q = Allowable 100-year release rate (cfs)
- a = Area of watershed (acres)
- q = weighted average unit release rate based on relative proportions of watershed soil types (cfs/acre)

Unless otherwise recommended in an approved master plan, the maximum releases rates described in this section are for all full spectrum detention facilities.

Q =	0.9aq		
a =	0.52	acres	Area of watershed (acres)
q =	1.04	cfs/acre	Weighted average unit release rate
Q Predeveloped =	**0.54**	**cfs**	
Q Allowable =	**0.48**	**cfs**	**Max allowable 100-year release rate**

Design Procedure Form: Extended Detention Basin (EDB)

UD-BMP (Version 3.07, March 2018)

Designer: DRT
Company: RLEG
Date: May 21, 2024
Project: BANNER PAIRED HOMES
Location: ELIZABETH, CO

1. Basin Storage Volume

A) Effective Imperviousness of Tributary Area, I_a — I_a = 50.1 %

B) Tributary Area's Imperviousness Ratio ($i = I_a / 100$) — i = 0.501

C) Contributing Watershed Area — Area = 0.520 ac

D) For Watersheds Outside of the Denver Region, Depth of Average Runoff Producing Storm — d_6 = 1.15 in

E) Design Concept (Select EURV when also designing for flood control)

Choose One
- (●) Water Quality Capture Volume (WQCV)
- ( ) Excess Urban Runoff Volume (EURV)

F) Design Volume (WQCV) Based on 40-hour Drain Time
($V_{DESIGN} = (1.0 * (0.91 * i^3 - 1.19 * i^2 + 0.78 * i) / 12 * Area$)
V_{DESIGN} = ac-ft

G) For Watersheds Outside of the Denver Region, Water Quality Capture Volume (WQCV) Design Volume
($V_{WQCV\ OTHER} = (d_6 * (V_{DESIGN}/0.43))$
$V_{DESIGN\ OTHER}$ = ac-ft

H) User Input of Water Quality Capture Volume (WQCV) Design Volume (Only if a different WQCV Design Volume is desired)
$V_{DESIGN\ USER}$ = 0.009 ac-ft

I) NRCS Hydrologic Soil Groups of Tributary Watershed
- i) Percentage of Watershed consisting of Type A Soils — HSG_A = %
- ii) Percentage of Watershed consisting of Type B Soils — HSG_B = %
- iii) Percentage of Watershed consisting of Type C/D Soils — $HSG_{C/D}$ = %

J) Excess Urban Runoff Volume (EURV) Design Volume
For HSG A: $EURV_A = 1.68 * i^{1.28}$
For HSG B: $EURV_B = 1.36 * i^{1.08}$
For HSG C/D: $EURV_{C/D} = 1.20 * i^{1.08}$
$EURV_{DESIGN}$ = ac-f t

K) User Input of Excess Urban Runoff Volume (EURV) Design Volume (Only if a different EURV Design Volume is desired)
$EURV_{DESIGN\ USER}$ = ac-f t

2. Basin Shape: Length to Width Ratio (A basin length to width ratio of at least 2:1 will improve TSS reduction.)
L : W = 5.5 : 1

3. Basin Side Slopes

A) Basin Maximum Side Slopes (Horizontal distance per unit vertical, 4:1 or flatter preferred)
Z = 4.00 ft / ft

4. Inlet

A) Describe means of providing energy dissipation at concentrated inflow locations:
Inflow will discharge into pond via PVC pipe cutout in pond wall and spill directly onto concrete trickle pan.

5. Forebay

A) Minimum Forebay Volume (V_{FMIN} = 0% of the WQCV)
V_{FMIN} = 0.000 ac-ft — **A FOREBAY MAY NOT BE NECESSARY FOR THIS SIZE SITE**

B) Actual Forebay Volume
V_F = ac-ft

C) Forebay Depth (D_F = 12 inch maximum)
D_F = in

D) Forebay Discharge

i) Undetained 100-year Peak Discharge
Q_{100} = cfs

ii) Forebay Discharge Design Flow ($Q_F = 0.02 * Q_{100}$)
Q_F = cfs

E) Forebay Discharge Design

Choose One
- ( ) Berm With Pipe
- ( ) Wall with Rect. Notch
- ( ) Wall with V-Notch Weir

Flow too small for berm w/ pipe

F) Discharge Pipe Size (minimum 8-inches)
Calculated D_P = in

G) Rectangular Notch Width
Calculated W_N = in

Design Procedure Form: Extended Detention Basin (EDB)

Designer: DRT
Company: RLEG
Date: May 21, 2024
Project: BANNER PAIRED HOMES
Location: ELIZABETH, CO

6. Trickle Channel

A) Type of Trickle Channel — Choose One: (●) Concrete ( ) Soft Bottom

F) Slope of Trickle Channel — S = 0.0050 ft / ft

7. Micropool and Outlet Structure

A) Depth of Micropool (2.5-feet minimum) — D_M = 2.5 ft

B) Surface Area of Micropool (10 ft^2 minimum) — A_M = 10 sq ft

C) Outlet Type — Choose One: (●) Orifice Plate ( ) Other (Describe):

D) Smallest Dimension of Orifice Opening Based on Hydrograph Routing (Use UD-Detention) — $D_{orifice}$ = 0.38 inches

E) Total Outlet Area — A_{ot} = 0.54 square inches

8. Initial Surcharge Volume

A) Depth of Initial Surcharge Volume (Minimum recommended depth is 4 inches) — D_{IS} = 4 in

B) Minimum Initial Surcharge Volume (Minimum volume of 0.3% of the WQCV) — V_{IS} = cu ft

C) Initial Surcharge Provided Above Micropool — V_s = 3.3 cu ft

9. Trash Rack

A) Water Quality Screen Open Area: $A_t = A_{ot} * 38.5*(e^{-0.095D})$ — A_t = 20 square inches

B) Type of Screen (If specifying an alternative to the materials recommended in the USDCM, indicate "other" and enter the ratio of the total open are to the total screen are for the material specified.) — *S.S. Well Screen with 60% Open Area*

Other (Y/N): N

C) Ratio of Total Open Area to Total Area (only for type 'Other') — User Ratio =

D) Total Water Quality Screen Area (based on screen type) — A_{total} = 33 sq. in.

E) Depth of Design Volume (EURV or WQCV) (Based on design concept chosen under 1E) — H= 0.5 feet

F) Height of Water Quality Screen (H_{TR}) — H_{TR}= 34 inches

G) Width of Water Quality Screen Opening ($W_{opening}$) (Minimum of 12 inches is recommended) — $W_{opening}$ = 12.0 inches **VALUE LESS THAN RECOMMENDED MIN. WIDTH. WIDTH HAS BEEN SET TO 12 INCHES.**

Design Procedure Form: Extended Detention Basin (EDB)

Designer: DRT
Company: RLEG
Date: May 21, 2024
Project: BANNER PAIRED HOMES
Location: ELIZABETH, CO

10. Overflow Embankment

A) Describe embankment protection for 100-year and greater overtopping:

The pond is a rectangular shape and contained with concrete cast in place vertical walls. Overflow will pass through a wall step down cut out in the north wall and flow towards Chestnut Street in the event of emergency overflow.

B) Slope of Overflow Embankment
(Horizontal distance per unit vertical, 4:1 or flatter preferred)

Ze = 0.00 ft / ft **TOO STEEP (< 3)**

11. Vegetation

Choose One
- ○ Irrigated
- ◉ Not Irrigated

12. Access

A) Describe Sediment Removal Procedures

Access to the pond will be made thorugh the north wall emergency overflow cut out providing direct access to the outlet structure. From the outlet structure, maintenance personel can step down into pond bottom and remove any sediment or debris build up at the trash rack and/or along the concrete trickle pan.

Notes:

Banner Paired Homes - EDB Outlet Structure Orifice and Restrictor Plate Calcs

5-Year Orifice Calculation

Equation:	Q = 0.6*Ao*(2*g*h)^0.5		
Known Values:	g = 32.2 ft/sec^2		
	h = 0.71 ft		Head measured from 5-YR WSEL to orifice invert (WQCV WSEL)
	Allowable Q = 0.01 cfs		*See 'Release Rate' for 10-Year Storm*
Unknown Values:	Ao, Area of orifice (ft^2)		
Calculation:	0.6*(2*g*h)^0.5 = 4.06 ft/sec		Solve for this variable
	Ao = Q / 0.6*(2*g*h)^0.5		Solve for area required
	Ao = 0.002 ft^2		
	Ao = 0.35 in^2		
Area equation:	Ao = 3.14 * r^2		Use circular orifice
	r = (Ao/3.14)^0.5		D = 2*r
	r = 0.03 ft		Solve for radius required
	r = 0.34 in		Convert from feet to inches
	D = 0.67 in		Convert to diameter
	Use D = 0.6875 in		**Round to standard size decimal**
	For circular opening, use D = 11/16 in		**Convert to fraction**
	Hole area, Ao = 0.37 in^2		
Check solution:	Q = 0.6*(Ao/144)*(2*g*h)^0.5		Use solved rounded hole size area
	Q = 0.01 cfs		OK.

100-Year Restrictor Plate Calculation

Equation:	Q = 0.6*Ao*(2*g*h)^0.5		Outlet controlled by weir and orifice at outlet pipe
Known Values:	g = 32.2 ft/sec^2		
	h = 5.19 ft		Distance from top of 100-YR WSEL and outlet pipe invert
	Allowable Q = 0.48 cfs		*See 'Release Rate' for 100-Year Storm*
Unknown Values:	Ao, Area of orifice (ft^2)		
Calculation:	0.6*(2*g*h)^0.5 = 10.97 ft/sec		Solve for this variable
	Ao = Q / 0.6*(2*g*h)^0.5		Solve for area required
	Ao = 0.04 ft^2		Area required
	Ao = 6.3 in^2		
Restrictor plate open area calc:	**D = 1.25 in**		**Place restrictor plate 1.25" above 15" outlet pipe invert.**
	Area = 0.05 ft^2		Open area of 15" RCP pipe out through restrictor plate.
Check solution:	Q = 0.6*(Ao)*(2*g*h)^0.5		Solve for Q pass through restrictor plate
	Q = 0.55 cfs		OK.

Stage-Storage Volume

BANNER PAIRED HOMES

Job No.	240104
Date	05/20/24
Calculated By	DRT
Checked By	DRT

VOLUME EQUATION

Vol (V) = 1/3h(A1+A2+SQRT(A1*A2))

Where:

V = Volume in Cubic Feet (CF) or Acre-Feet (Ac-Ft)
h = Contour Interval in Feet (Ft)
A1,A2 = Area Enclosed by Successive Contours In Square Feet (SF)

STAGE-STORAGE RELATIONSHIP

Contour Elev. (ft)	Area (sf)	A1+A2 (sf)	SQRT(A1*A2) (sf)	(A1+A2)+ SQRT(A1*A2) (sf)	h (ft)	h/3 (ft)	Volume V (cf)	Accum. Vol. AV (cf)	Accum. Vol. AV (ac-ft)
6470.00	792							0	0.000
		1584	792	2376	1.00	0.33	792.0		**WQCV**
6471.00	792							792	0.018
		1584	792	2376	1.00	0.33	792.0		**5-YR**
6472.00	792							1584	0.036
		1584	792	2376	1.00	0.33	792.0		**100-YR**
6473.00	792							2376	0.055
		1584	792	2376	1.00	0.33	792.0		
6474.00	792							3168	0.073

VOLUMES

WQCV	0.009 ac-ft	392 cf	
5-YR	0.022 ac-ft	958 cf	
100-YR	0.046 ac-ft	2,004 cf	Total pond volume required.
Total pond vol provided =	0.073 ac-ft	3,168 cf	

WATER SURFACE INTERPOLATIONS

	STAGE	ELEVATION	STAGE HEIGHT [FT]
Bottom of Pond El =		**6470.00**	**0.00**

Contour	Volume	Ac-ft
6470.0		0.000
WSEL	**WQCV**	**0.009**
6471.0		0.018

WQCV
Water Surface Elev. = **6470.50** **0.49**

Contour	Volume	Ac-ft
6471.0		0.018
WSEL	**5-YR**	**0.022**
6472.0		0.036

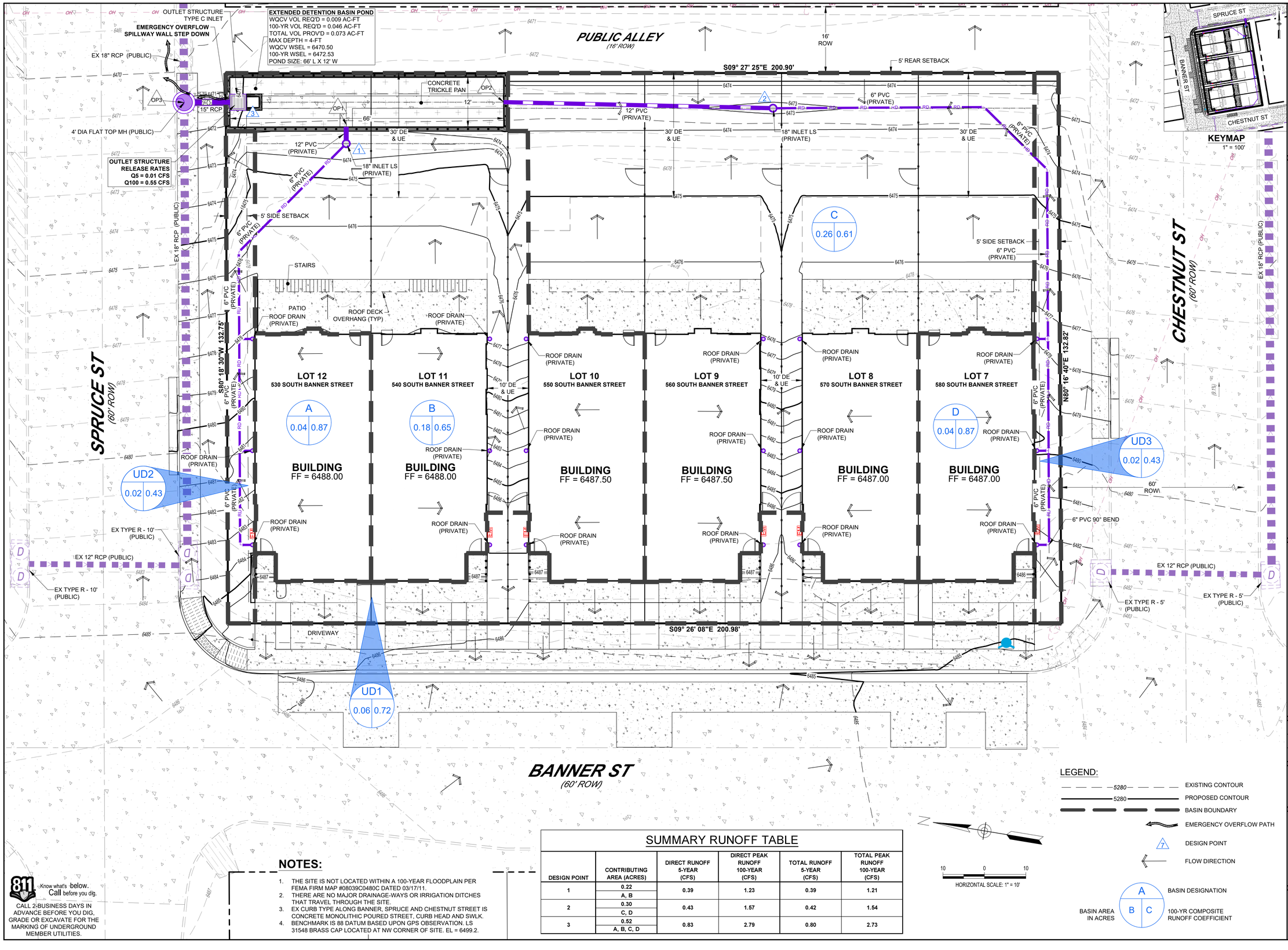
5-YR
Water Surface Elev. = **6471.21** **1.21**

Contour	Volume	Ac-ft
6472.0		0.036
WSEL	**100-YR**	**0.046**
6473.0		0.055

100-YR
Water Surface Elev. = **6472.53** **2.53**

Top of Pond El = **6474.00** **4.00**

APPENDIX F – Drainage Map



NOTES:

1. THE SITE IS NOT LOCATED WITHIN A 100-YEAR FLOODPLAIN PER FEMA FIRM MAP #08039C0480C DATED 03/17/11.
2. THERE ARE NO MAJOR DRAINAGE-WAYS OR IRRIGATION DITCHES THAT TRAVEL THROUGH THE SITE.
3. EX CURB TYPE ALONG BANNER, SPRUCE AND CHESTNUT STREET IS CONCRETE MONOLITHIC POURED STREET, CURB HEAD AND SWLK.
4. BENCHMARK IS 88 DATUM BASED UPON GPS OBSERVATION. LS 31548 BRASS CAP LOCATED AT NW CORNER OF SITE. EL = 6499.2.

SUMMARY RUNOFF TABLE

DESIGN POINT	CONTRIBUTING AREA (ACRES)	DIRECT RUNOFF 5-YEAR (CFS)	DIRECT PEAK RUNOFF 100-YEAR (CFS)	TOTAL RUNOFF 5-YEAR (CFS)	TOTAL PEAK RUNOFF 100-YEAR (CFS)
1	0.22	0.39	1.23	0.39	1.21
	A, B				
2	0.30	0.43	1.57	0.42	1.54
	C, D				
3	0.52	0.83	2.79	0.80	2.73
	A, B, C, D				

LEGEND:

- EXISTING CONTOUR
- PROPOSED CONTOUR
- BASIN BOUNDARY
- EMERGENCY OVERFLOW PATH
- DESIGN POINT
- FLOW DIRECTION

BASIN AREA IN ACRES — A / B C — BASIN DESIGNATION; 100-YR COMPOSITE RUNOFF COEFFICIENT

HORIZONTAL SCALE: 1" = 10'

811 Know what's below. Call before you dig.
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
DRAINAGE MAP

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

DATE	REVISIONS	BY

ISSUE DATE: 02/24/24

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

SHEET NUMBER:
C12.00

S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C12.00 - DRAINAGE MAP.dwg
Date: 5/30/2024 2:04 PM

Erosion and Sediment Control Plan

BANNER PAIRED HOMES

530, 540, 550, 560, 570, 580 Banner Street
Elizabeth, CO 80107

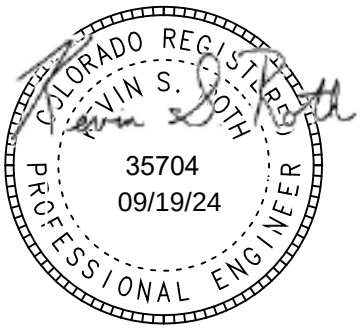
Owner

LG Designs and Construction, LLC.
188 Sandy Hallow Trail
Franktown, CO 80106

Prepared by:

6855 S. Havana St., Suite 600
Centennial, CO 80112
(303) 841-9365
Kevin Roth, P.E
David Terron, P.E.

Plan Preparation Date: 08/13/2024
Plan Revision:
RLEG PROJECT NO. 240104



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APPENDIX B – Soils Information
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APPENDIX F – Erosion and Sediment Control Plans
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SECTION 1: SITE EVALUATION, ASSESSMENT, AND PLANNING

1.1 Project/Site Information

Project/Site Name:

Banner Paired Homes

Project Street/Location:

530, 540, 550, 560, 570, 580 Banner Street Elizabeth, CO 80107

The Project is located in the northeast quarter of Section 18, Township 8 South, Range 64 West of the 6th P.M. in the Town of Elizabeth, County of Elbert and State of Colorado. The property contains of Lots 7-12 of Block 18 of the Phillips Addition to the Town of Elizabeth Subdivision.

1.2 Contact Information/Responsible Parties

Owner(s):

LG Designs and Construction, LLC.
188 Sandy Hollow Trail
Franktown, CO 80116

This ESC Plan was Prepared by:

Roth Lang Engineering Group, LLC.
6855 S. Havanna St. Suite 600
Centennial, CO 80112
303.841.9365
David Terron
dterron@rothlang.com

State CDPS Stormwater Construction Permit #: COR-03Xxxx

1.3 Project Description

The proposed land use of the site is six (6) single family paired homes with driveways and backyards. The proposed ground cover will be typical of a single family residential improvement. Each paired home will have a main level as well as a basement walk out area to a lawn. Water and sewer services will serve each paired home.

What is the function of the construction activity (select check box)?

☒ Residential ☐ Commercial ☐ Industrial ☐ Road Construction ☒ Linear Utility
☐ Other (please specify):

Estimated Project Start Date: Fall 2024

Estimated Project Completion Date: Summer2025

Estimated Project Final Stabilization: Summer 2025

The site will be developed utilizing the principles of effective Stormwater Management Plans presented in the Town of Elizabeth Storm Drainage Design and Technical Criteria Addendum A Erosion Control Criteria along with the Colorado Department of Health and Environment (CPHDE) Stormwater Management Plan (SWMP).

The development will utilize the following BMP's to control the erosion and sediment on the site:

Prior to any earthmoving or land disturbing activities Initial Phase (1), the Project will implement the following BMP's:

Perimeter BMPS including construction and silt fence will be installed around the entirety of the property. A Vehicle Tracking Control pad is to be constructed at the main entrances to the site. Additionally, curb socks and curb inlet protection will be installed at the existing offsite inlet.

As construction progresses the following BMP's will be implemented prior to their need. The Interim Phase (2) will include continued maintenance of the BMP's installed in the initial phase with the addition of the following BMP's:

Diversion Ditches draining to the Temporary Sediment Basins will be constructed during the interim Phase. In addition, a Concrete Washout Area is to be installed next to the preinstalled VTC at the entrance to the property.

A Stabilized Storage Area, Portable Toilets, and Stockpile Protection shall also be installed onsite.

Inlet protection is to be installed on all newly constructed inlets to prevent any sediment runoff into the storm sewer.

The Final Phase (3) will include continued maintenance any BMP's installed in the initial and interim phases (until such time that they are removed) with the addition of the following:

Seeding and Mulching of all areas that are to be improved as need for the final stabilization.

The temporary sediment basin shall be removed when the permanent storm sewer pond, pipe and inlet system are complete. All other remaining BMPs installed in the Initial and Interim phases are to be removed as appropriate once the site has been stabilized and construction activities and operations cease.

1.4 Soils, Slopes, Vegetation, and Current Drainage Patterns

The proposed development consists of Bresser sandy soil loam classified as hydrologic soil group type B The area of the project is 0.61 acres. The site is currently an overgrown asphalt parking lot. There are some medium to large trees on site and within the ROW that will be removed as part of the improvements. The parking lot area of the site slopes at 2-3%, whereas

the edges of the site slope upwards of 3:1 to match the rapidly falling street topography of Spruce and Chestnut which fall at 10-11%. No major drainageways pass through the site. The site currently drains to the west to the public alley and out the curb cuts along Spruce and Chestnut St. No ditches or canals exist on site. The proposed land use of the site is six (6) single family paired homes with driveways and backyards. The proposed ground cover will be typical of a single family residential improvement. Each paired home will have a main level as well as a basement walk out area to a lawn. Water and sewer services will serve each paired home. No wetland areas exist in the project area.

1.5 Construction Site Estimates

The following are estimates of the construction site.

Total project area:	0.61 acres
Construction site area to be disturbed:	0.61 acres

1.6 Receiving Waters

The eventual receiving water of this development is the Running Creek, which lies approximately 1,000 feet east of the site.
Future runoff will be conveyed by private storm sewer to an onsite water quality detention pond where it will be release via outlet pipe to the existing storm sewer.
Runoff from the surrounding areas is not anticipated to impact the site as it flows to adjacent curb and gutter and into the existing storm sewer system.
There are no known major drainageway planning studies for the project area. The project is not located within a flood hazard zone per the FEMA Firm Map and is located in Zone X of no hazard. No lakes or ponds are to be impacted by the drainage improvements.

1.7 Protected Site Features and Sensitive Areas

There are no protected features, sensitive areas, or any known sensitive or contaminated areas associated with the site.

1.8 Potential Sources of Pollution

Potential Pollution Source	Potential on This Site?	Control Measures	BMP Implementation
All Disturbed and Stored Soils - grading - spoils - stockpiles	Yes	1. Sediment and Erosion Control Measures (IP1, IP2, SF, SSA, TRM, RECP, TOP, SCL, SBB, RS, SB, ST) 2. Preservation of Existing Vegetation (PV, VB, CF, CP) 3. Materials Management	1. Install BMPs prior to major construction. 2. Delineate protected areas prior to major construction. 3. Material management effective once material arrives on site.

		4. Solid Waste Management (SP, GH) 5. Stockpile Management (SP) 6. Vehicle Tracking Controls (VTC)	4. Place trash receptacles on site prior to major construction. 5. Implement spill response procedures as needed. 6. Implement stockpile management controls as needed. 7. Delineate vehicle travel areas prior to major construction, adjust as needed.
Vehicle Tracking of Sediments - all permitted area vehicle traffic	Yes	1. Sediment and Erosion Control Measures (IP1, IP2, SF, SSA, TRM, RECP, TOP, SCL, SBB, RS, SB, ST) 2. Vehicle Traffic Controls 3. Vehicle Tracking Controls (VTC) 4. Street Sweeping (SS)	1. Install BMPs prior to major construction. 2. Delineate vehicle travel areas prior to major construction, adjust as needed. 3. Install VTC BMP prior to construction. 4. Implement street sweeping in conjunction with start of major construction and as needed.
Management of Contaminated Soils - fluid spills	Yes	1. Hazardous Materials Management (GH, CT) 2. Spill Response and Notification (GH) 3. Stockpile Management (SP)	1. Implement hazardous materials management as needed. 2. Implement spill response procedures as needed. 3. Implement stockpile management controls as needed.

* See the Stormwater Regulation Guide for acronyms used to identify BMP details.

Potential Pollution Source	Potential on This Site?	Control Measures	BMP Implementation
Loading and Unloading Activities - construction materials	Yes	1. Material Management (GH) 2. Vehicle Traffic Controls (VTC)	1. Materials management effective once materials arrive on site and effective throughout the project. 2. Delineate vehicle travel areas prior to major construction, adjust as needed.
Outdoor storage activities - building materials - fertilizers - chemicals	Yes	1. Material Storage Procedures (GH)	1. Designate materials storage areas prior to the delivery of materials. 2. Materials left outdoors must be covered if they can become a pollutant when mixed with water. 3. Secondary containment must be used for hazardous materials.
Vehicle equipment maintenance and fueling - gas - diesel - oil - lubricants - hydraulic fluids	Yes	1. Spill prevention controls (GH) 2. Designated Fuel Storage Area (GH) 3. Spill Response and Notification (GH)	1. Implement spill prevention controls as needed. 2. Designate fuel storage area as needed. 3. Implement spill response and notification procedures as needed.
Dust Control - Wind Transport - Saw Cutting Activities	Yes	1. Dust Control (DC) 2. Temporary Soil Stabilization (SF, SD, GB, SSA, TRM, RECP, TOP) 3. Street Sweeping (SS) 4. Preservation of Existing (PV, VB, CF) Vegetation (VB, CF)	1. Implement dust control in conjunction with soil disturbing activities and as needed. 2. Implement temporary soil stabilization measures as soon as practical. 3. Implement street sweeping at the start of major construction and maintain as needed. 4. Delineate protected areas prior to major construction.
Routine maintenance activities - fertilizers - pesticides - detergents - fuels - solvents - oils, etc.	Yes	1. Material Storage (GH) 2. Hazardous Waste Management (GH, CT) 3. Erosion and Sediment Controls (IP1, IP2, SF, SSA, TRM, RECP, TOP, SCL, SBB, RS, SB, ST)	1. Designate materials storage areas prior to their arrival on site. 2. Practice hazardous waste management procedures during the storage of such materials. 3. Install sediment and erosion control BMPs prior to conducting landscape activities.

* See the Stormwater Regulation Guide for acronyms used to identify BMP details.

Potential Pollution Source	Potential on This Site?	Control Measures	BMP Implementation
On-site waste management practices	Yes	1. Waste Management (GH) 2. Liquid Waste Management (GH) 3. Hazardous Waste Management (GH, CT)	1. Place trash receptacles on site prior to major construction. 2. Place designated watertight receptacles or washout area(s) prior to proceeding with an activity that is known to produce liquid waste. 3. Implement hazardous waste management procedures as needed.
Concrete truck/equipment washing	Yes	1. Concrete Washout area (CWA)	1. Install designated concrete washout(s) prior to commencement of concrete activities.
Dedicated asphalt and concrete batch plants	Yes	1. Secondary Containment 2. Concrete Washout Area (CWA) 3. Solid Waste Management (GH) 4. Materials Management (GH)	1. Install secondary containment BMPs prior to using dedicated batch plants. 2. Dedicated washout area must be established before construction begins. 3. Trash receptacles on site prior to major construction activities. 4. Material management effective once material arrives on site.
Non-industrial waste sources – worker trash and portable toilets	Yes	1. Sanitary Waste (GH) 2. Solid Waste Management (GH)	1. Place temporary sanitary facilities on site as needed and protect from off-site discharge. 2. Trash receptacles on site prior to major construction activities.
Waste from geo-technical testing, potholing, saw cutting, and utility borings for locates	Yes	1. Dust Control (DC) 2. Material Storage (GH) 3. Solid Waste Management (GH)	1. Implement dust control in conjunction with soil disturbing activities and as needed. 2. Designate materials storage areas prior to their arrival on site. 3. Trash receptacles on site prior to major construction activities.
Fly Ash - concrete - flow fill	Yes	1. Concrete Washout area (CWA) 2. Hazardous Waste Management (GH)	1. Install designated concrete washout(s) prior to commencement of concrete activities. 2. Implement hazardous waste management procedures as needed.

* See the Stormwater Regulation Guide for acronyms used to identify BMP details.

Potential Pollution Source	Potential on This Site?	Control Measures	BMP Implementation
Demolition of infrastructure, i.e. - concrete curb - asphalt road - steel/rebar	No	1. Dust Control (DC) 2. Solid Waste Management (GH)	1. Implement dust control in conjunction with soil disturbing activities and as needed. 2. Trash receptacles on site prior to major construction activities.
Drywall Mud and Paint	Yes	1. Liquid Waste Management (GH)	1. Place designated watertight receptacles or washout area(s) prior to proceeding with an activity that is known to produce liquid waste.
Electric Generator, i.e. pump	Yes	1. Secondary Containment 2. Spill Response and Notification (GH) 3. Hazardous Waste Management (GH, CT)	1. Install secondary containment BMPs prior to using generators. 2. Implement hazardous waste management procedures as needed.
Other areas or procedures where potential spills can occur	Yes	1. Hazardous Waste Management (GH) 2. Spill Response and Notification (GH)	1. Implement hazardous waste management as needed. 2. Implement spill response and notification procedures as necessary.
Flushing New Waterlines	Yes	1. Sediment and Erosion Control Measures 2. Low Risk Guidance for Potable Water**	1. Install sediment and erosion control measures prior to discharge. 2. Follow BMPs required by this low risk guidance.

* See the Stormwater Regulation Guide for acronyms used to identify BMP details.

Potential hazardous material/chemical pollutants, to stormwater runoff:

Potential On This Site	Material/ Chemical	Physical Description	Stormwater Pollutants	Location
Yes	Fertilizer	Liquid or solid grains	Nitrogen, phosphorous	Newly seeded areas
Yes	Cleaning solvents	Colorless, blue, or yellow-green liquid	Perchloroethylene, methylene chloride, trichloroethylene, petroleum distillates	Staging areas
Yes	Asphalt	Black solid	Oil, petroleum distillates	Streets
Yes	Concrete and Grout	White solid/grey liquid	Limestone, sand, pH, chromium	Curb and gutter, sidewalk, building construction
No	Curing compounds	Creamy white liquid	Naphtha	Curb and gutter, sidewalk, driveways, concrete slabs
Yes	Hydraulic oil/ fluids	Brown, oily petroleum hydrocarbon	Mineral oil	Leaks or broken hoses from equipment
Yes	Gasoline	Colorless, pale brown or pink petroleum hydrocarbon	Benzene, ethyl benzene, toluene, xylene, MTBE	Secondary containment/staging area
Yes	Antifreeze/ coolant	Clear green/yellow liquid	Ethylene glycol, propylene glycol, heavy metals (copper, lead, zinc)	Leaks or broken hoses from equipment or vehicles
Yes	Sanitary toilets	Various colored liquid	Bacteria, parasites, and viruses	Staging areas

1.9 Demolition

Are there any structures to be demolished as part of construction related to this site?

☐ Yes ☒ No

1.10 Timing/Phasing Schedule

Place Initial (I) CBMP's per ESC	**8/1/24**
Excavation	8/15/24
Place Interim (II) CBMP's per ESC	**9/1/24**
Storm / Sanitary / Water Mains	11/11/24
Place Final (II) CBMP's per ESC	**3/1/25**
Grading/Backfill	3/1/25-6/1/25
Building Pads / Construction	3/1/25-8/1/25
Curb & Gutter / Sidewalk & Ramps / Pavement	11/1/24-5/1/25
Signage / Pavement Marking	4/1/25
Landscaping Signage / Pavement Marking	4/1/25-5/1/25
Final Stabilization	**5/1/25**

SECTION 2: EROSION AND SEDIMENT CONTROL BMPS

2.1 Minimize Disturbed Area and Protect Natural Features and Soil

Limits of Construction (LOC)	Used: Yes	Phase(s): 1, 2 & 3
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	Used to designate the area of land that will be disturbed by construction activities.	
When – Installation	The permitted limits of disturbance shall be designated prior to land disturbing activities. If, at any time during construction, land is disturbed outside of the permitted area, the Stormwater Construction Permit and CBMP Plan must be amended.	
Where – Location	The permitted limits of disturbance shall be identified on the SWMP Plan.	
How – BMP Maintenance and Inspection	See the SWMP Plan for Limits of Construction. The Permittee shall continuously inspect and maintain the permitted limits of disturbance in an effort to not disturb land outside of the limits.	

2.2 Control Stormwater Flowing onto and through the Project

Diversion Ditch (DD)	Used: Yes	Phase(s): 2 & 3
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	Diverts water from a stream or restrict flows to a designated portion of a site to allow for construction activities to take place.	
When - Installation	All BMPs associated with a diversion ditch shall be installed prior to the start of any construction activities; removed when the work at the down gradient or natural channel is no longer required, the diversion ditch shall be backfilled and stabilized.	
Where – Location	Diversion ditches shall be installed at the location identified on the SWMP Plan.	
How – BMP Maintenance and Inspection	Diversion ditches shall be installed per the diversion ditch (DD) product details (Appendix 3 - CBMP Standard Details).	

	The Permittee shall frequently and continuously inspect and maintain all diversion ditch CBMPs throughout construction. Flow barriers shall be inspected at the start and end of each workday. The diversion ditch shall be inspected for signs of erosion and the lining repaired or replaced if necessary.

2.3 Stabilize Soils and Protect Slopes

Seeding and Mulching (SMC)	Used: Yes	Phase(s): 3
☒ ***Permanent***	☐ ***Temporary***	
What – BMP Description	*Amendment and Seed Specifications Must be Provided by ESC Plan Designer.* Seed is applied to disturbed areas in an effort to establish vegetation. Temporary seeding is used to stabilize disturbed areas that will be inactive for an extended period. Permanent seeding is used to stabilize areas at final grade that will not be otherwise stabilized. Effective seeding includes preparation of a seedbed, selection of an appropriate seed mixture, proper planting techniques, and protection of the seeded area with mulch, geotextile, or other appropriate measures. Mulching helps to protect the bare soil and must be secured by crimping, tackifiers, netting or other measures.
When – Installation	Temporary and permanent seeding shall be performed on temporary inactive surfaces and following the completion of final grading.
Where – Location	Temporary and permanent mulching shall be completed in the locations identified on the SWMP Plan.
How – BMP Maintenance and Inspection	Permanent seeding and secured mulching shall be installed per the temporary and permanent seeding specifications per the seeding, mulching and crimping (SMC) product details (Appendix 3 - CBMP Standard Details). The Permittee shall continuously inspect and maintain all temporary and permanent seeding and secured mulch throughout construction. Prepare the seedbed, select an appropriate seed mixture, use proper planting techniques and protect the seeded area with secured mulch.

What – BMP Description	Mulching consists of evenly applying straw, hay, shredded wood mulch, bark or compost to disturbed soils and securing the mulch be crimping, tackifiers or netting.
When – Installation	Mulching is used in conjunction with seeding to help protect the seed bed and stabilize the soil. Mulch can also be used as a temporary cover on low to mild slopes to help temporarily stabilize disturbed area where there are growing season constraints. After mulching, the bare ground surface shall not be exposed. Reapply mulch, as needed, to cover bare areas.
Where – Location	Temporary and permanent mulching shall be completed in the locations identified on the ESC Plan.
How – BMP Maintenance and Inspection	Mulching shall be installed per the seeding, mulching and crimping (SMC) notes (Appendix 3 - CBMP Standard Details). After mulching, the bare ground surface shall not be more than 10% exposed. Reapply mulch, as needed, to cover bare areas.

2.4 Protect Storm Drain Inlets

Rock Sock (RS)	Used: Yes	Phase(s): 1 & 2
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	An elongated cylindrical filter constructed of gravel wrapped by wire mesh or woven geotextile. Also called curb socks when placed at angles in the curb line.	
When – Installation/Removal	Rock socks shall be installed prior to land disturbing activities; once upstream stabilization is complete, rock socks and accumulated sediment shall be removed and properly disposed.	
Where – Location	Rock socks shall be installed at the locations identified on the ECS Plan. They are typically used for perimeter control of a disturbed area, part of inlet protection.	
How – BMP Maintenance and Inspection	Rock socks shall be installed per the inlet protection (CP, IPCOS, IPAN and IPAP) product details (Appendix 3 – CBMP Standard Details). The Permittee shall continuously inspect and maintain all rock socks as they are susceptible to displacement and breakage due to vehicle traffic. Accumulated sediment shall be removed by sweeping, as needed, to maintain functionality.	

Inlet Protection (IPCOS)	Used: Yes	Phase(s): 1 & 2
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	A permeable barrier that is installed around an inlet to filter runoff and remove sediment before it enters the storm drain inlet. Inlet protection can be constructed of the following: rocks socks, sediment control logs, silt fence, blocks and rock socks, or other materials.	
When – Installation/Removal	Inlet protection for existing inlets shall be installed prior to land disturbing activities upslope from the inlet. Inlet protection for proposed inlets shall be installed immediately after the inlet is completed and backfilled; inlet protection and any associated sediment must be removed and properly disposed of when the drainage area for the inlet is stabilized.	
Where – Location	Inlet protection shall be installed at the locations identified on the CMBP Plan. Inlet protection shall not be a stand-alone CBMP. It shall be used in conjunction with other up gradient CBMPs.	
How – BMP Maintenance and Inspection	Inlet protection shall be installed per the inlet protection (IPCOS) product details (Appendix 3 – CBMP Standard Details). Inlet protection shall enable the inlet to function without completely blocking the flow. The Permittee shall continuously inspect and maintain all inlet protection CBMPs throughout construction as it is the final CBMP before runoff enters the storm drain. Accumulated sediment shall be removed when it has reached one-half the height of the inlet protection or loses functionality, whichever comes first.	

Inlet Protection (IPAN)	Used: Yes	Phase(s): 1, 2 & 3
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	A permeable barrier that is installed around an inlet to filter runoff and remove sediment before it enters the storm drain inlet. Inlet protection can be constructed of the following: rocks socks, sediment control logs, silt fence, blocks and rock socks, or other materials.	
When – Installation/Removal	Inlet protection for existing inlets shall be installed prior to land disturbing activities upslope from the inlet. Inlet protection for proposed inlets shall be installed immediately after the inlet is completed and backfilled; inlet protection and any associated	

	sediment must be removed and properly disposed of when the drainage area for the inlet is stabilized.
Where – Location	Inlet protection shall be installed at the locations identified on the CMBP Plan. Inlet protection shall not be a stand-alone CBMP. It shall be used in conjunction with other up gradient CBMPs.
How – BMP Maintenance and Inspection	Inlet protection shall be installed per the inlet protection (IPAN) product details (Appendix 3 – CBMP Standard Details). Inlet protection shall enable the inlet to function without completely blocking the flow. The Permittee shall continuously inspect and maintain all inlet protection CBMPs throughout construction as it is the final CBMP before runoff enters the storm drain. Accumulated sediment shall be removed when it has reached one-half the height of the inlet protection or loses functionality, whichever comes first.

Inlet Protection (IPAP)	Used: Yes	Phase(s): 3
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	A permeable barrier that is installed around an inlet to filter runoff and remove sediment before it enters the storm drain inlet. Inlet protection can be constructed of the following: rocks socks, sediment control logs, silt fence, blocks and rock socks, or other materials.	
When – Installation/Removal	Inlet protection for existing inlets shall be installed prior to land disturbing activities upslope from the inlet. Inlet protection for proposed inlets shall be installed immediately after the inlet is completed and backfilled; inlet protection and any associated sediment must be removed and properly disposed of when the drainage area for the inlet is stabilized.	
Where – Location	Inlet protection shall be installed at the locations identified on the CMBP Plan. Inlet protection shall not be a stand-alone CBMP. It shall be used in conjunction with other up gradient CBMPs.	
How – BMP Maintenance and Inspection	Inlet protection shall be installed per the inlet protection (IPAP) product details (Appendix 3 – CBMP Standard Details). Inlet protection shall enable the inlet to function without completely blocking the flow. The Permittee shall continuously inspect and maintain all inlet protection CBMPs throughout construction as it is the final CBMP before runoff enters the storm drain. Accumulated sediment shall be removed when it has reached one-half the height of the inlet protection or loses functionality, whichever comes first.	

2.5 Establish Perimeter Controls and Sediment Barriers

Construction Fence (CF)	Used: Yes	Phase(s): 1 & 2
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	Used to designate the area of land that will be disturbed by construction activities.	
When – Installation	The permitted limits of disturbance shall be designated prior to land disturbing activities. If, at any time during construction, land is disturbed outside of the permitted area, the CDPS Stormwater Construction Permit and ESC Plan must be amended.	
Where – Location	The permitted limits of disturbance shall be identified on the SWMP Plan.	
How – BMP Maintenance and Inspection	Construction Fence shall be installed per the Construction Fence (CF) product details (Appendix 3 - CBMP Standard Details). The Permittee shall continuously inspect and maintain the permitted limits of disturbance in an effort to not disturb land outside of the limits.	

2.6 Retain Sediment On-Site

Silt Fence (SF)	Used: Yes	Phase(s): 1, 2, & 3
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	A woven geotextile fabric attached to wooden posts and trenched into the ground. It is used to intercept sheet flow runoff from disturbed areas.	
When – Installation/Removal	Silt fence shall be installed prior to all land disturbing activities. Silt fence shall be removed when the upstream area is stabilized.	
Where – Location	Silt fence shall be installed at the locations identified on the ESC Plan. It is typically installed along the contour of slopes, which is down slope of a disturbed area to accept sheet flow, and placed along the perimeter of a construction site. ***Silt fence is not designed to receive concentrated flow or to be used a filter fabric.***	

How – BMP Maintenance and Inspection	Silt fence shall be installed per the diversion ditch (DD) product details (Appendix 3 - CBMP Standard Details). The Permittee shall continuously inspect and maintain all silt fence throughout construction. Any section of silt fence that has a tear, hole, slumping, undercutting or has been bypassed shall be replaced with a new section. Accumulated sediment shall be removed before it reaches a depth of 6 inches.

Temporary Sediment Basin (TSB)	Used: Yes	Phase(s): 2 & 3
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	A temporary sediment basin built on a construction site to capture sediment transported in runoff prior to discharge from the site. A temporary sediment basin is designed to capture runoff and slowly release it to allow time for settling of the sediment prior to discharge.	
When – Installation/Removal	A sediment trap shall be installed prior to land disturbing activities; the sediment trap shall not be removed until the upstream area is sufficiently stabilized.	
Where – Location	A temporary sediment basin shall be installed prior to land disturbing activities; for a basin being converted to permanent detention basins. For basins to be converted to a detention facility, remove accumulated sediment and reconfigure the basin and outlet to meet the requirements of the final design for the detention facility. For basins that are temporary and not to be used as a permanent detention facility, fill the excavated area with soil and stabilize accordingly.	
How – BMP Maintenance and Inspection	The temporary sediment basin shall be installed per the temporary sediment basin (TSB) product details (Appendix 3 - CBMP Standard Details). The Permittee shall continuously inspect and maintain the sediment basin to ensure its effectiveness. Accumulated sediment shall be dredged from the basin when it reaches no more than one-third of the design storage volume.	

2.7 Establish Stabilized Construction Exits

Vehicle Tracking Control (VTC)	Used: Yes	Phase(s): 1 & 2
☐ ***Permanent***	☐ ***Temporary***	
What – BMP Description	A stabilized site access point that helps remove sediment from vehicle tires and reduces tracking of the sediment onto paved surfaces.	
When – Installation/Removal	Vehicle tracking control shall be installed prior to any land disturbing activities; and removed when there is no longer the potential for vehicle tracking to occur.	
Where – Location	Vehicle tracking control shall be installed at the location identified on the ESC Plan. Locate your vehicle tracking control where frequent vehicle traffic will exit the construction site onto a paved roadway.	
How – BMP Maintenance and Inspection	Vehicle tracking control shall be installed per the vehicle tracking control (VTC) product details (Appendix 3 - CBMP Standard Details). All vehicle tracking control BMPs must have non-woven geotextile fabric between soil and rock. Recycled concrete aggregate is not allowed. The Permittee shall continuously inspect and maintain all vehicles tracking control BMPs throughout construction. If the area becomes clogged with sediment, remove and dispose of excess sediment or replace material with a fresh layer of aggregate. Any sediment that is tracked onto adjacent roadways shall be cleaned with brooms, shovels (no water washing), or mechanically cleaned with a pick-up broom.	

Stabilized Staging Area (SSA)	Used: Yes	Phase(s): 1 & 2
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	A stabilized staging area is a clearly designated area where construction equipment and vehicles, stockpiles, waste bins and other construction-related materials are stored. If the construction site is big, more than one staging area may be necessary.	
When – Installation/Removal	Stabilized staging areas shall be installed prior to any land disturbing activities.	

Where – Location	Stabilized staging areas shall be installed at the location identified on the CBMP Plan.
How – BMP Maintenance and Inspection	Stabilized staging areas shall be installed per the stabilized staging area (SSA) product details (Appendix 3 - CBMP Standards Details). The Permittee shall continuously inspect and maintain all stabilized staging areas throughout construction. A stable surface cover of rigid gravel shall be maintained as well as repairing any perimeter controls and following good housekeeping practices.

2.8 Additional BMPs

Concrete Washout Areas (CWA)	Used: Yes	Phase(s): 2 & 3
☐ ***Permanent***	☒ ***Temporary***	
What – BMP Description	A specific area of the construction site must be designated and managed as a concrete washout area. Three basic options are available: excavation of a pit in the ground, use of an above ground storage area or use of prefabricated haul-away concrete washout containers.	
When – Installation/Removal	Concrete washout areas shall be installed prior to any concrete delivery to the construction site; upon termination of use of the washout, accumulated solid waste, including concrete waste and any contamination soils, must be removed from the site to a designated disposal location.	
Where – Location	Concrete washout areas shall be installed at the locations identified on the ESC Plan. Washout areas within 400 feet of any natural drainage pathway or waterbody or within 1,000 feet of any wells or drinking water sources must be lined.	
How – BMP Maintenance and Inspection	Concrete washout areas shall be installed per the diversion ditch (DD) product details (Appendix 3 - CBMP Standard Details). The Permittee shall continuously inspect and maintain all concrete washout area BMPs throughout construction. Ensure adequate signage is in place identifying the location of the washout area. Remove concrete waste in the washout area when filled to about two-thirds of its capacity to maintain functionality.	

Debris and Trash Control (DTC)	Used: Yes	Phase(s):

☐ *Permanent*	☒ *Temporary*
What – BMP Description	All impervious surfaces that become soiled or accumulate trash, due to construction activities, must be thoroughly cleaned daily to maintain efficiency.
When – Installation/Removal	Soil, spills and debris shall be cleaned throughout the day, and at the end of each working day, as the impervious surfaces become stained or cluttered.
Where – Location	All impervious surfaces on the site, including: driving, pedestrian and storm drainage pathways, as shown on the SWMP Plan, shall be inspected throughout the day for soiling and debris.
How – BMP Maintenance and Inspection	Impervious surface areas shall be cleaned per the debris and trash control (DTC) product details and notes (Appendix 3 - CBMP Standard Details). The Permittee shall continuously inspect and maintain all impervious area BMPs throughout phase 3 of construction and make use of a designated disposal location. Ensure adequate signage is in place, identifying the location of the disposal location. Remove waste from the disposal location when filled to about two-thirds of its capacity to maintain functionality.

SECTION 3: GOOD HOUSEKEEPING CBMPs

3.1 Covering Outdoor Storage and Handling Areas

Covering Outdoor Storage and Handling Areas	Used: Yes	Phase(s):1,2,3
☐ ***Permanent***	☒ ***Temporary Procedure***	

Description

When raw materials, byproducts, finished products, storage tanks, and other materials are stored or handled outdoors, stormwater runoff that comes in contact with the materials can become contaminated. Proactively covering storage and handling areas can be an effective source control for such areas. Coverings can be permanent or temporary and consist of tarp, plastic sheeting, roofing, enclosed structures, or other approaches that reduce exposure of materials to precipitation and wind.

Appropriate Uses

Covering is appropriate for areas where solids (e.g., gravel, compost, building materials) or liquids (e.g., oil, gas, tar) are stored, prepared, or transferred. Cover the follow areas that are applicable to this construction site:

- **Loading and Unloading:** Loading and unloading operations usually take place at outside storage or staging area on the construction site. Materials may be spilled during transfer between storage facilities and trucks during pumping of liquids, pneumatic transfer of dry chemicals, and mechanical transfer of bags, boxes, drums, or other containers by material handling equipment.
- **Aboveground Tanks/Liquid Storage:** Accidental releases of chemicals from above-ground liquid storage can contaminate stormwater with a variety of pollutants. Several common causes of accidental releases from above-ground storage include: external corrosion and structural failure, problems due to improper installation, spills and overfills due to operator error, failure of piping systems, and leads or spills during pumping of liquids or gases between trucks to a storage facility.
- **Outside Manufacturing:** Common outside manufacturing activities may include parts assembly, rock grinding or crushing, metals paining or coating, grinding or sanding, degreasing, concrete manufacturing, parts cleaning or operations that use hazardous materials. These activities can result in dry deposition of dust, metal and wood shavings and liquid discharges of dripping or leaking fluids from equipment or process and other residuals being washed away in storm runoff. In addition to the manufacturing process, outside storage of materials and waste products may occur in conjunction with outside manufacturing.
- **Waste Management:** Wastes spilled, leached, or lost from outdoor waste management areas or outside manufacturing activities may accumulate in soils or on other surfaces and be carried away by storm runoff. There is also the potential for liquid wastes from

surface impoundments to overflow to surface waters or soak the soil where they can be picked up by runoff. Possible stormwater contaminants include toxic compounds, oil and grease, oxygen-demanding organics, paints and solvents, heavy metals and high levels of suspended solids. Lack of coverage of waste receptacles can result in precipitation seeping through the material and collecting contaminants or the material being blown around the site and into the storm sewer system. Typical containment sources include waste piles, wastewater and solid waste treatment and disposal, land application sites, dumpsters, or unlabeled drums.

- **Outside Storage of Materials:** Raw materials, intermediate products, byproducts, process residuals, finished products, containers, and materials storage areas can be sources of pollutants such as metals, oils and grease, sediment and other contaminants. Pollutant transport can occur when solid materials wash off or dissolve into water, or when spills or leaks occur.

Practice Procedures

- Where practical, conduct operations indoors. Where impractical, select an appropriate temporary or permanent covering to reduce exposure of materials to precipitation and runoff.
- The type of covering selected depends on a variety of factors such as the type and size of activity being conducted and materials involved. Types of cover range from relatively inexpensive tarps and plastic sheeting to overhead structures or fully enclosed buildings equipped with ventilation, lighting, etc.
- Covering practices should be combined with Good Housekeeping BMPs to be most effective.
- Measures such as tarps and plastic sheets typical require more frequent inspection and maintenance than construction facilitates.

3.2 Spill Prevention, Containment and Control

Spill Prevention, Containment and Control	Used: Yes	Phase(s):1,2,3
☐ ***Permanent***	☒ ***Temporary Procedure***	

Description

Spills and leaks of solid and liquid materials processed, handled or stored outdoors can be significant source of stormwater pollutants. Spilled substances can reach receiving waters when runoff washes these materials from impervious surfaces or when spills directly enter the storm sewer system during dry weather conditions.

Effective spill control includes both spill prevent and spill response measures and depends on proper training for spill response measures and may also include structural spill containment. Structural spill containment measures typically include temporary or permanent curbs or berms

that surround a potential spill site. Berms may be construction of concrete, earthen material, metal, synthetic liners, or other material that will safely contain the spill. Spill control devises may also include valves, slide gates, or other devices that can control and contain spilled material before it reaches the storm sewer system or receiving waters.

Appropriate Uses

Implement spill prevention, containment and control measures at construction sites in areas where materials may be spilled in quantities that can adversely impact receiving waters when discharged directly or through the storm sewer system.

Practice Procedures – Spill Prevention Measures

- Train employees on potential sources of pollution on-site and provide clear, common-sense spill prevention practices be strictly followed.
- Identify equipment that is exposed to precipitation, pollutants that may be generated and possible sources of leaks or discharges.
- Perform regular inspection and preventative maintenance of equipment to ensure proper operation and to check for leaks or evidence of discharge (stains). Provide clear procedures to ensure that needed repairs are completed and provide temporary leak containment until such repairs can be made.
- Drain or replace motor oil and other automotive fluids in a designated area away from storm sewer inlets. Collect spent fluids and recycle or dispose of properly. Never dispose of these fluids in the storm sewer or sanitary sewer.
- In fueling areas, clean up spills with dry methods (absorbents) and use damp cloths on gas pumps and damp mops on paved surfaces. Never use a hose to "wash down" a fuel spill.
- Where practical, reduce stormwater contact with equipment and materials by implementing covered storage, reduce stormwater run-on and follow good housekeeping practices.

Identification of Spill Areas

Identify potential spill areas, potential spill volumes, material types, frequency of material used, and drainage paths from spill areas with relation to storm sewer inlets, adjacent water bodies, structural BMPs, and containment structures. Use this information to determine the types of spill prevention and control measures needed specific to the site conditions. Examples of potential spill locations include:

- Loading and unloading areas
- Outdoor storage areas
- Outdoor manufacturing or processing activities

- Waste disposal
- Areas that generate significant dust or particulates (that may be subsequently deposited on the ground)
- Areas prone to spills based on past experience at the site
- Locations where other routine maintenance activities occur such as equipment maintenance and cleaning, pesticide/fertilizer application, etc.

Additionally, areas where smaller leaks may occur such as parking should also have basic spill cleanup procedures.

Material Handling Procedures

From a water quality perspective, the primary principle behind effective material handling practices is to minimize exposure to precipitation. This can be accomplished by storing the material indoors under weather-resistant covering, elevating the material off the ground by using pallets, and diverting stormwater around materials storage areas. Representative outdoor materials handling procedures include:

- Keep bulk solid materials such as raw materials, sand, gravel, topsoil, compost, concrete, packing materials, metal products and other materials covered and protected from stormwater.
- When practical, store materials on impermeable surfaces.
- Store hazardous materials according to federal, state, and local hazardous materials requirements.
- Adopt procedures that reduce the chance of spills or leaks during filling or transfer of materials.
- Substitute less toxic or nontoxic materials for toxic materials.
- Store containers that are easily punctured or damaged away from high traffic areas.
- Add waste-capture containers such as collection pans for lubricating fluids.
- Store drums and containers with liquid materials on impermeable surfaces and provide secondary containment where appropriate. Drums stored outdoors should be located on pallets to minimize contact with runoff.

Spill Response Procedures and Equipment

Spill response procedures should be tailored to site-specific conditions and industry-specific regulatory requirements. General spill response procedures include:

- Containment and cleanup of spills should begin promptly after the spill is observed.

- Sweep up small quantities of dry chemical or solids to reduce exposure to runoff. Shoveling may be used for larger quantities of materials.
- Absorbents should be readily accessible in fueling areas or other areas susceptible to spills.
- Wipe up small spills with a shop rag, store shop rags in appropriate containers, dispose of rags properly or use a professional industrial cleaning service.
- Contain medium-sized spills with absorbents (e.g., kitty litter, sawdust) and use inflatable berms or absorbent "snakes" as temporary booms for the spill. Store and dispose of absorbents properly. Wet/dry vacuums may also be used, but not for volatile fluids.
- Develop procedures and locations for containing and storing leaking containers.
- Install drip pans below minor equipment leaks and properly dispose of collected material until a repair can be made.
- For large spills, first contain the spill and plug storm sewer inlets where the liquid may migrate off-site, then clean up the spill.
- Excavation of spill areas to removed contaminated material may be required where large liquid spills occur on unpaved surfaces.
- An inventory of cleanup materials should be maintained onsite and strategically located based on the types and quantities of chemicals present.

Structural Spill Containment Measures

Two general approaches are often used when implementing spill containment measures. The first approach is designed to contain the entire spill. The second approach uses curbing to route spilled material to a collection basin. Both containment berming and curbing should be sized to safely contain or convey to a collection basin a spill from the largest storage tank, tanker truck, or other containment device in the possible spill area. The spill containment area must have an impermeable surface (e.g., impermeable liner, asphalt or concrete) to prevent groundwater contamination. The containment system must be designed to enable collection and removal of spilled material through a pump or vacuum trucks, use of sorbent or gelling material, or other measures. Material removed from the spill area must be disposed of or recycled according to local, state, and federal standards.

If the capacity of the containment berming or the collection basin is exceeded, supplemental spill control measures should be available such as a portable containment device, sorbent materials, or gelling agents that eventually solidify the material. Water that collects within containment areas due to rainfall or snowmelt must be appropriately treated before release from the spill area.

Spill Plan Development

Many industries are required by federal law to have a Spill Prevention, Control and countermeasures Plan (SPCC) that meets specific regulatory criteria when certain types and quantities of materials are used or processed at a site. These plans can be instrumental in developing a spill control plan for stormwater management purposes. Even if an SPCC plan is not legally required at a site, a spill control plan for stormwater management purposes may be necessary. Representative information appropriate for a spill control plan, building on concepts previously introduced in this Fact Sheet, includes:

- Site plan showing where materials are stored and handled, and where associated activities occur.
- Notification procedures to be used in the event of an accident.
- Instructions for clean-up procedures.
- A designated person with spill response and clean-up authority.
- Training of key personnel in plan and clean-up procedures.
- Signs posted at critical locations providing a summary of SPCC plan information, phone numbers, contacts, equipment locations, etc.
- Provisions requiring spills to be cleaned up, corrective actions taken, or countermeasures implemented immediately.
- Provisions for absorbents to be made available for use in fuel areas, and for containers to be available for used absorbents.
- Prohibition on washing absorbents into the storm sewer system or into the sanitary sewer system via floor drains.
- Provision for emergency spill containment and clean-up kits in accessible and convenient locations. Kits should contain the appropriate clean-up materials applicable to the materials stored at the site.

3.3 Good Housekeeping

Good Housekeeping Practices	Used: Yes	Phase(s):1,2,3
☐ ***Permanent***	☒ ***Temporary***	

Description

Good housekeeping practices are designed to maintain a clean and orderly work environment. The most effective first steps towards preventing pollution in stormwater from construction sites simply involve using common sense to improve the facility's basic housekeeping methods. Poor housekeeping practices result in increased waste and potential for stormwater contamination.

A clean and orderly work site reduces the possibility of accidental spills caused by mishandling of chemicals and equipment and should reduce safety hazards to personnel. A well-maintained material and chemical storage area will reduce the possibility of stormwater mixing with pollutants.

Some simple procedures a facility can use to promote good housekeeping include improved operation and maintenance of machinery and processes, material storage practices, material inventory controls, routine and regular clean-up schedules, maintaining well organized work areas, signage, and educational programs for employees and the general public about all of these practices.

Practice Procedures

Good housekeeping practices include these general areas:

- Operation and Maintenance
- Material Storage
- Material Inventory
- Training and Participation.

Operation and Maintenance

Consider implementing the following practices:

- Maintain dry and clean floors and ground surfaces by using brooms, shovels, vacuums or cleaning machines, rather than wet clean-up methods.
- Regularly collect and dispose of garbage and waste material.
- Routinely inspect equipment to ensure that it is functioning properly without leaking and conduct preventative maintenance and needed repairs.
- Train employees on proper clean up and spill response procedures.
- Designate separate areas of the site for auto parking, vehicle refueling and routine maintenance.
- Promptly clean up leaks, drips and other spills.
- Cover and maintain dumpsters and waste receptacles. Add additional dumpsters or increase frequency of waste collection if overflowing conditions reoccur.
- Where outdoor painting and sanding occur, implement these practices:
    - Conduct these activities in designated areas that provide adequate protection to prevent overspray and uncontrolled emissions. All operations should be conducted on paved surfaces to facilitate cleanup.
    - Use portable containment as necessary for outside operations.
    - Clean up and properly dispose of excess paint, paint chips, protective coatings, grit waste, etc.

- Maintain vegetation on facility grounds in a manner that minimizes erosion. Follow the Landscape Maintenance and Pesticide, Herbicide and Fertilizer Usage BMPs to ensure that minimum amounts of chemicals needed for healthy vegetation are applied in a manner that minimizes transport of these materials in runoff.

Material Storage Practices

Proper storage techniques include the following:

- Provide adequate aisle space to facilitate material transfer and ease of access for inspection.
- Store containers, drums, and bags away from direct traffic routes to reduce container damage resulting in accidental spills.
- Stack containers according to manufacturer's instructions to avoid damaging the containers from improper weight distribution. Also store materials in accordance with directions in Material Safety Data Sheets (MSDSs).
- Store containers on pallets or similar devices to prevent corrosion of containers that results from containers coming in contact with moisture on the ground.
- Store toxic or hazardous liquids within curbed areas or secondary containers.

Material Inventory Practices

An up-to-date materials inventory can keep material costs down by preventing overstocking, track how materials are stored and handled onsite, and identify which materials and activities pose the most risk to the environment. Assign responsibility of hazardous material inventory to individuals trained to handle such materials. A material inventory should include these steps:

- Identify all chemical substances present at work site. Perform a walk-through of the site, review purchase orders, list all chemical substances used and obtain Material Safety Data Sheets (MSDS) for all chemicals.
- Label all containers. Labels should provide name and type of substance, stock number, expiration date, health hazards, handling suggestions, and first aid information. Much of, this information can be found on an MSDS.
- Clearly identify special handling, storage, use and disposal considerations for hazardous materials on the material inventory.
- Institute a shelf-life program to improve material tracking and inventory that can reduce the amount of materials that are overstocked and ensure proper disposal of expired materials. Careful tracking of materials ordered can result in more efficient materials use. Decisions on the amounts of hazardous materials that are stored on site should include an evaluation-of any emergency control systems that are in place. All storage areas for hazardous materials should be designed to contain spills.

Training and Participation

It is recommended that frequent and proper training in good housekeeping techniques reduces the likelihood that chemicals or equipment will be mishandled. To promote good housekeeping, consider implementing these practices:

- Discuss good housekeeping practices in training programs and meetings.
- Publicize pollution prevention concepts through posters or signs.
- Post bulletin boards with updated good housekeeping procedures, tips and reminders.

3.4 Vehicle Maintenance, Fueling and Storage

Vehicle Maintenance, Fueling and Storage	Used: Yes	Phase(s):1,2
☐ ***Permanent***	☒ ***Temporary***	

Description

Areas where vehicles are fueled, maintained, and stored/parked can be pollutant "hot spots" that can result in hydrocarbons, trace metals, and other pollutants being transported in precipitation runoff. Proper fueling operations, storage of automotive fluids and effective spill cleanup procedures can help reduce contamination of stormwater runoff from vehicle maintenance and fueling facilities.

Fuel-related spills can occur due to inattention during fueling or "topping off" fuel tanks. Common activities at construction sites include vehicle fluid replacement and equipment replacement and repair. Some of the wastes generated maintaining automobiles include solvents (degreasers, paint thinners, etc.), antifreeze, brake fluid and brake pad dust, battery acid, motor oil, fuel, and lubricating grease.

Appropriate Uses

These BMP procedures are applicable to vehicle maintenance and fueling. Be aware that vehicle wash water is considered process wastewater that will not be discharged to the storm sewer system.

Practice Procedures

Vehicle Maintenance

The most effective way to minimize wastes generated by automotive maintenance activities is to prevent their production in the first place. Consider adopting these practices:

- Perform maintenance activities inside or under cover. When repairs cannot be performed indoors, be sure to use drip pans or absorbents.
- Keep equipment clean and free of excessive oil and grease buildup.
- Promptly cleanup spills using dry methods and properly dispose of waste. When water is required, use as little as possible to clean spills, leaks, and drips.
- Use a solvent collection service to collect spent solvent used for parts cleaning.
- When using liquids for cleaning, use a centralized station to ensure that solvents and residues stay in one area. Locate drip pans and draining boards to direct solvents back into a solvent sink or holding tank for reuse.
- Store used oil for recycling in labeled tanks. Locate used oil tanks and drums away from storm sewer, flowing streams, and preferably indoors.
- Use non-hazardous or less hazardous alternatives when practical. For example, replace chlorinated organic solvents with non-chlorinated ones like kerosene or mineral spirits.
- Properly recycle or dispose of grease, oil, antifreeze, brake fluid, cleaning solutions, hydraulic fluid, batteries, transmission fluid, worn parts, filters, and rags.
- Drain and crush oil filters before recycling or disposal.
- Drain all fluids and remove batteries from salvage vehicles and equipment.
- Closely monitor parked vehicles for leaks and place pans under any leaks to collect the fluids for proper disposal or recycling.
- Install berms or other measures to contain spills and prevent work surface runoff from entering storm sewer system.
- Develop and follow a spill prevention plan. This includes a variety of measures such as spill kits and knowing where storm sewers are located and how to protect them (e.g., drain mat, berm) when larger spills occur.
- Conduct periodic employee training to reinforce proper disposal practices.
- Promptly transfer used fluids to recycling drums or hazardous waste containers.
- Store cracked batteries in leak-proof secondary containers.
- Inspect outdoor storage areas regularly for drips, spills and improperly stored materials (unlabeled containers, auto parts that might contain grease or fluids, etc.). This is particularly important for parking areas for vehicles awaiting repair.
- Structural stormwater BMPs in vehicle hotspot areas require routine cleanout of oil and grease, sometimes monthly or more frequently. During periods of heavy rainfall, cleanout is required more often to ensure that pollutants are not washed through the trap. Sediment removal is also required on a regular basis to keep the BMP working efficiently.

Vehicle Fueling

- Designated fueling areas should be designed to prevent stormwater runoff and spills. For example, fuel-dispensing areas should be paved with concrete or an equivalent impervious surface, with an adequate slope to prevent ponding, and separated from the rest of the site by a grade break or berm that prevents run-on of precipitation.
- For facilities where equipment is being fueled with a mobile fuel truck, establish a designated fueling area. Place temporary "caps" over nearby catch basins or manhole covers so that if a spill occurs, it is prevented from entering the storm sewer system. A form of secondary containment should be used when transferring fuel from the tank truck to the fuel tank. Storm drains in the vicinity should also be covered. Install vapor recovery nozzles to help control drips, as well as reduce air pollution.
- Keep spill response information and spill cleanup materials onsite and readily available.
- Dry cleanup methods should be employed when cleaning up fuel spills. Such methods include sweeping to remove litter and debris and using rags and absorbents for leaks and spills.
- Water should not be used to wash these areas. During routine cleaning, use a damp cloth on the pumps and a damp mop on the pavement, rather than spraying with a hose. Fuel dispensing nozzles should be fitted with "hold-open latches" (automatic shutoff) except where prohibited by local fire departments. Signs can be posted at the fuel dispenser or island warning vehicle owners/operators against "topping off' vehicle fuel tanks.
- Written procedures that describe these BMPs should be provided to employees who will be using fueling systems.

3.5 Street Sweeping and Cleaning

Street Sweeping and Cleaning	Used: Yes	Phase(s):1,2,3
☐ ***Permanent***	☒ ***Temporary***	

Description

Street sweeping uses mechanical pavement cleaning practices to reduce sediment, litter and other debris washed into storm sewers by runoff. This can reduce pollutant loading to receiving waters and in some cases reduce clogging of storm sewers and prolong the life of infiltration oriented BMPs and reduce clogging of outlet structures in detention BMPs. Different designs are available with typical sweepers categorized as a broom and conveyor belt sweeper, wet or dry vacuum-assisted sweepers, and regenerative-air sweepers. The effectiveness of street sweeping is dependent upon particle loadings in the area being swept, street texture,

moisture conditions, parked car management, equipment operating conditions and frequency of cleaning.

Appropriate Uses

Street sweeping is an appropriate technique in urban areas where sediment and litter accumulation on streets is of concern for aesthetic, sanitary, water quality, and air quality reasons. From a pollutant loading perspective, street cleaning equipment can be most effective in areas where the surface to be cleaned is the major source of contaminants. In areas where construction activity is occurring, street sweeping shall occur as part of construction site erosion and sediment control plans.

Practice Procedures

1. Street sweeping shall be completed when there is sediment or tracking from the construction site exits present that has come from the construction site into the public right-of-way.
2. The frequency of street sweeping is dependent on presence of sediment or tracking that has occurred. If tracking is occurring, either a VTC shall be installed, the VTC needs maintenance or the VTC present is inadequate; all require that the Erosion and Sediment Control Plan be updated.
3. All instances of off-site (outside permitted area) sediment or tracking from the construction site shall be swept immediately.
4. Conduct street sweeping prior to precipitation events.
5. Operate sweepers at manufacturer recommended optimal speed levels to increase effectiveness.
6. Regularly inspect vehicles and equipment for leaks and repair promptly.
7. Keep accurate logs of the number of curb-miles swept and the amount of waste collected.
8. Dispose of street sweeping debris and dirt at a landfill.
9. Do not store swept material along the side of the street or near a storm drain inlet.

SECTION 4: PERMANENT STABILIZATION

4.1 Final Construction Site Stabilization

Final Construction Site Stabilization means that all ground disturbing activities are complete, and all disturbed areas have either been built on, paved over or are awaiting uniform vegetative cover per County accepted plans.

Once excavation and backfill is complete seeding, mulching and crimping (SMC) shall be used for final stabilization. Seeding, mulching and crimping consists of drill seeding disturbed areas with the approved Town of Parker seed mix and crimping in straw mulch to provide immediate protection against raindrop and wind erosion and, as the grass cover becomes established, to provide long-term stabilization of exposed soils. Key Installation and Maintenance Requirements:

- All areas to be seeded and mulched shall have native topsoil spread to a depth of at least 4-inches (loose depth). All disturbed areas shall be loosened to a depth of 6-inches prior to spreading topsoil.
- Areas that are being temporarily seeded and stockpiles do not require topsoil prior to seeding and mulching.
- Soil shall be thoroughly loosened (tilled) to a depth of at least 6- inches prior to seeding. The top 6-inches of the seed bed shall be free of rocks greater than 4-inches and soil clods greater than 2- inches. Seeding over any compacted areas that haven't been loosened to a depth of at least 4-inches shall be rejected.
- Seed shall be applied using a mechanical drill to a depth of not less than 1/4-inch and not more than 3/4-inch. Row spacing shall be no more than 6-inches. Material used for mulch shall consist of long stemmed straw. At least 50-percent of the straw, by weight, shall be 10-inches or more in length. Mulch shall be applied and mechanically anchored to a depth of at least 2-inches. Mulch shall be applied at a rate of 4000-pounds of straw per acre.
- Copies of seed tickets shall be provided to the Town Inspector upon request.
- Seeded and mulched areas shall be inspected for required coverage monthly for a period of two years following initial seeding. Repairs and re-seeding and mulching shall be undertaken after the first growing season for any areas failing to meet the required coverage.
- Seeding and mulching operations must be undertaken when a CBMP Permit expires and no renewal is granted.

All the items listed below must be completed in order for the construction site to be considered to have final stabilization.

1. The site has a uniform vegetative cover with a density of at least seventy percent (70%) compared to the original undisturbed site. Such cover is capable of adequately controlling soil erosion.

2. Proper installation of all approved, permanent, post-construction stormwater quality BMPs.

3. Removal of all stockpiles of soil, construction material/debris, construction equipment, etc. from the construction site.

4. Streets, parking lots and other surrounding paved surfaces are clean and free of any sediment or debris.

5. Removal of sediment and debris within the construction site and surrounding property, caused by the construction activity; this includes all pollutants. The Permittee shall restore any damaged public infrastructure caused by the Permittee's construction activities.

4.2 Removal of Temporary BMPs

Once the site has met the final stabilization conditions the remaining temporary BMPs such as perimeter controls, inlet protection, silt fence, etc. shall be removed and disposed of properly.

SECTION 5: INSPECTION REPORT

5.1 Inspection Form Example

Using the Inspection Report

You can complete the items in the upper section that will remain constant, such as the date, project name, contractor, and inspector (if you only use one inspector). You will either need to print out multiple copies of this inspection report or save an electronic version as a master form to use during your inspections.

Ensure that all items in the "Weather/Off-Site Discharge Assessment" AND the "Overall Site Assessment" are completed by checking "Yes" or "No" and document any "Corrective Action Needed/Notes". Under "Site Specific CBMP Assessment", document the CBMPs that are required and/or used, if maintenance is needed and document any "Corrective Action Needed/Notes" as necessary.

When "findings" are present at a construction site due to a 14 day inspection, storm event site inspections and inspections at completed sites, ensure that when the "finding" has been addressed, on the same inspection form. Always document when the "finding" was addressed by filling in the "Date Action Complete".

Site Specific BMP Assessment							
BMP Description	Code	Practice		Maintenance		Corrective Action Needed/Notes	Date Action Complete
		Req	Used	Yes	No		
Sediment Control BMPs							
Silt Fence	SF						
Sediment Control Log	SCL						
Straw Bale Barrier	SBB						
Rock Sock	RS						
Inlet Protection	IP						
Sediment Basin	SB						
Sediment Trap	ST						
Vegetated Buffer	VB						
Erosion Control BMPs							
Surface Roughening	SR						
Temporary & Permanent Seeding	TS/ PS						
Soil Binders	SB						
Mulching	MU						
Rolled Erosion Control Product	RECP						
Temporary Slope Drain	TSD						
Temporary Outlet Protection	TOP						
Earth Dikes/Drainage Swales	ED/DS						
Terracing	TER						
Check Dams	CD						
Streambank Stabilization	SS						
Wind Erosion/Dust Control	DC						
Materials Management							
Concrete Washout Area	CWA						
Stockpile Management	SP						
Good Housekeeping	GH						
Site Management Controls							
Protection of Existing Vegetation	PV						
Construction Fence	CF						
Vehicle Tracking Control	VTC						
Stabilized Construction Roadway	SCR						
Stabilized Staging Area	SSA						
Dewatering Operations	DW						
Temporary Stream Crossing	TSC						
Paving and Grinding Operations	PGO						

CERTIFICATION STATEMENT

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature: _____ **Date:** _____

ADAMS COUNTY COLORADO	**Erosion and Sediment Control Plan** **Contractor Stormwater Quality Inspection Form**	Date of Inspection: Project Name: Project Location:
ADCO SWQ Permit #:		Inspected By:
Contractor Name: Contractor Address: Contractor Phone Number(s):		Type of Inspection: ☐ 14-Day Inspection ☐ Storm Event Inspection ☐ Completed Site Inspection
ESC Plan Administrator:		Present Phase of Construction (circle): 1 2 3

Weather/Off-Site Discharge Assessment

Has a storm event occurred since last inspection?	☐Yes ☐No	If yes, estimate storm Start Date/Time: _____ Duration:_____hours Amount:_____inches
Have any off-site discharges occurred since the last inspection?	☐Yes ☐No	If yes, describe:
Are there any off-site discharges at the time of this inspection?	☐Yes ☐No	If yes, describe:

Overall Site Assessment

BMP/Activity	Implemented	Maintenance Req'd	Corrective Action Needed/Notes
Are disturbed areas not actively being worked or stabilized?	☐Yes ☐No	☐Yes ☐No	
Are natural resource areas (i.e. streams, wetlands and trees) protected with BMPs?	☐Yes ☐No	☐Yes ☐No	
Is the construction perimeter contained?	☐Yes ☐No	☐Yes ☐No	
Are all discharge points free of any pollutants (i.e. sediment, trash)	☐Yes ☐No	☐Yes ☐No	
Are storm inlets properly protected?	☐Yes ☐No	☐Yes ☐No	
Is the VTC preventing sediment from being tracked into the street?	☐Yes ☐No	☐Yes ☐No	
Is all trash/construction site waste collected and in a covered dumpster?	☐Yes ☐No	☐Yes ☐No	
Are washout facilities clearly identified and maintained?	☐Yes ☐No	☐Yes ☐No	
Are potential stormwater contaminants stored properly?	☐Yes ☐No	☐Yes ☐No	
Are equipment maintenance areas free of spills or leaks?	☐Yes ☐No	☐Yes ☐No	
Are non-stormwater discharges properly controlled?	☐Yes ☐No	☐Yes ☐No	
Other:	☐Yes ☐No	☐Yes ☐No	
Other:	☐Yes ☐No	☐Yes ☐No	

SECTION 6: CERTIFICATION AND NOTIFICATION

6.1 Stormwater Quality Regulation Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name: David R. Terron Title: Professional Engineer

Signature: Date: **9.19.24**

Appendix A – Floodplain Information

NOTES TO USERS

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The **community map repository** should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where **Base Flood Elevations** (BFEs) and/or **floodways** have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.0' North American Vertical Datum of 1988 (NAVD88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the **floodways** were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by **flood control structures**. Refer to section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The **projection** used in the preparation of this map was Universal Transverse Mercator (UTM) zone 13. The **horizontal datum** was NAD83, GRS80 spheroid. Differences in datum, spheroid, projection or UTM zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the **North American Vertical Datum of 1988 (NAVD88)**. These flood elevations must be compared to structure and ground elevations referenced to the same **vertical datum**. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at http://www.ngs.noaa.gov/ or contact the National Geodetic Survey at the following address:

NGS Information Services
NOAA, N/NGS12
National Geodetic Survey
SSMC-2, #9202
1315 East-West Highway
Silver Spring, MD 20910-3282

To obtain current elevation, description, and/or location information for **bench marks** shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242 or visit its website at http://www.ngs.noaa.gov/.

Base Map information shown on this FIRM was provided in digital format by Elbert County GIS Department and Anderson Consulting Engineers, Inc. These data are current as of 2009.

This map reflects more detailed and up-to-date **stream channel configurations and floodplain delineations** than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables *in the Flood Insurance Study Report (which contains authoritative hydraulic data)* may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

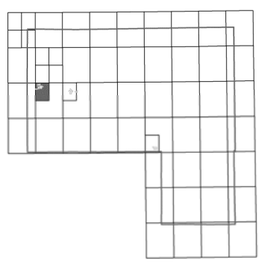
Contact **FEMA Map Service Center** at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, *a Flood Insurance Study Report*, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at http://www.msc.fema.gov/.

If you have **questions about this map** or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA Map (1-877-336-2627) or visit the FEMA website at http://www.fema.gov/.

Elbert County Vertical Datum Offset Table

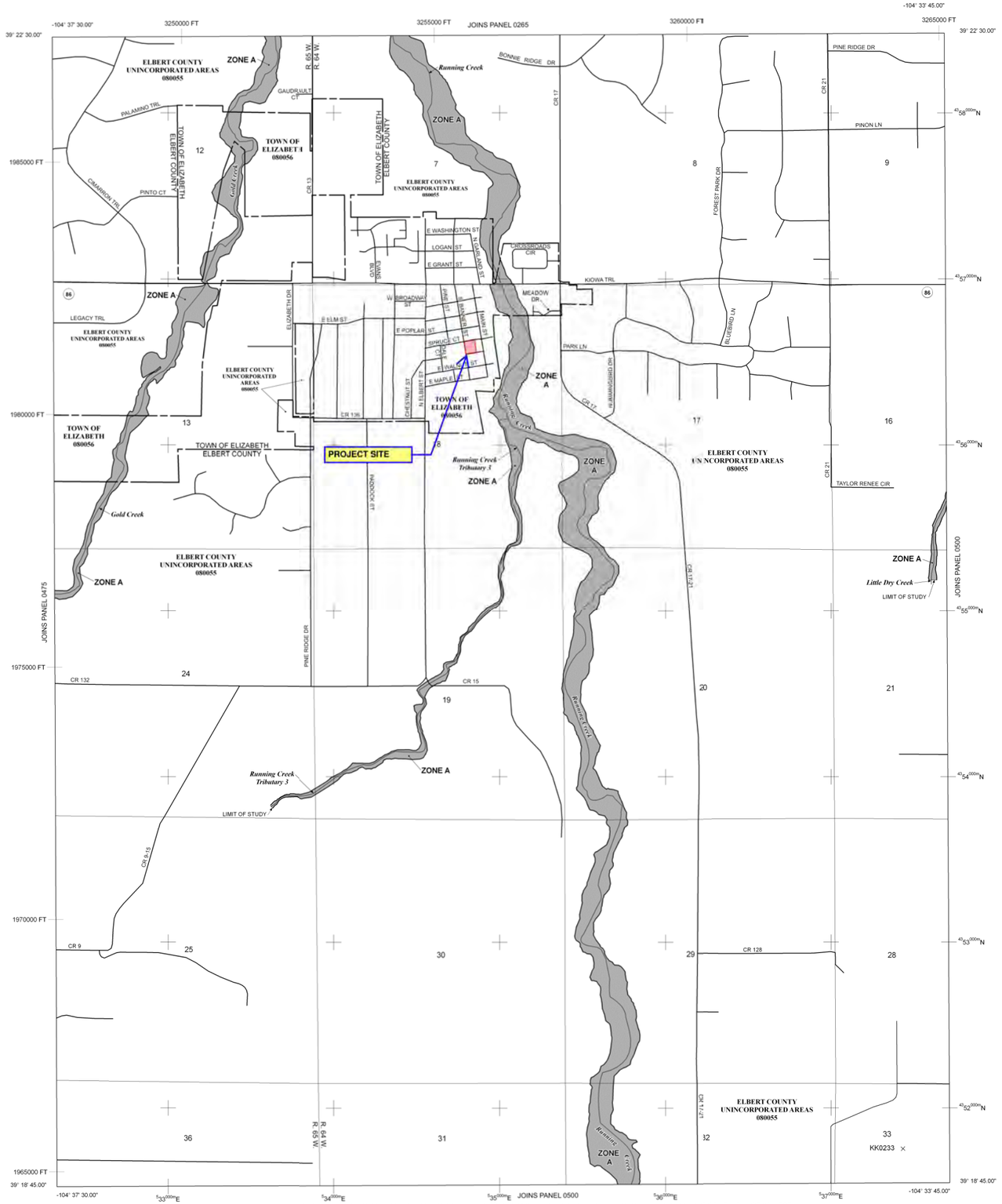
Flooding Source	Vertical Datum Offset (ft)
N/A	N/A

Panel Location Map



This Digital Flood Insurance Rate Map (DFIRM) was produced through a Cooperating Technical Partner (CTP) agreement between the State of Colorado Water Conservation Board (CWCB) and the Federal Emergency Management Agency (FEMA).

Additional Flood Hazard information and resources are available from local communities and the Colorado Water Conservation Board.



NOTE: MAP AREA SHOWN ON THIS PANEL IS LOCATED WITHIN TOWNSHIP 8S SOUTH, RANGE 64 WEST, AND TOWNSHIP 8S SOUTH, RANGE 65 WEST.

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAS) SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.
ZONE AE Base Flood Elevations determined.
ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE AR Special Flood Hazard Area Formerly protected from the 1% annual chance flood by a flood control system that was subsequently decertified. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
ZONE A99 Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X Areas determined to be outside the 0.2% annual chance floodplain.
ZONE D Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

Floodplain boundary
Floodway boundary
Zone D Boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
513 — Base Flood Elevation line and value; elevation in feet*
(EL 987) — Base Flood Elevation value where uniform within zone; elevation in feet*

* Referenced to the North American Vertical Datum of 1988 (NAVD 88)

A — A Cross section line
23 — 23 Transect line
97° 07' 30.00" / 32° 22' 30.00" Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
4275000mN 1000-meter Universal Transverse Mercator grid ticks, zone 13
6000000 FT 5000-foot grid ticks: Colorado State Plane coordinate system, central zone (FIPSZONE 0502), Lambert Conformal Conic Projection
DX5510 × Bench mark (see explanation in Notes to Users section of this FIRM panel)
M1.5 River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
MARCH 17, 2011

For community map revision history prior to countywide mapping, refer to the Community Map History Table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

MAP SCALE 1" = 1000'
500 0 1000 2000 FEET
300 0 300 600 METERS

NFIP

PANEL 0480C

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

FLOOD INSURANCE RATE MAP

ELBERT COUNTY, COLORADO AND INCORPORATED AREAS

PANEL 0480 OF 1200

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS

COMMUNITY	NUMBER	PANEL	SUFFIX
ELBERT COUNTY	080055	0480	C
ELIZABETH, TOWN OF	080056	0480	C

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER 08039C0480C

EFFECTIVE DATE: MARCH 17, 2011

Federal Emergency Management Agency

National Flood Hazard Layer FIRMette

FEMA

104°36'17"W 39°21'48"N

104°35'39"W 39°21'20"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

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 / 17.5 Cross Sections with 1% Annual Chance / 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

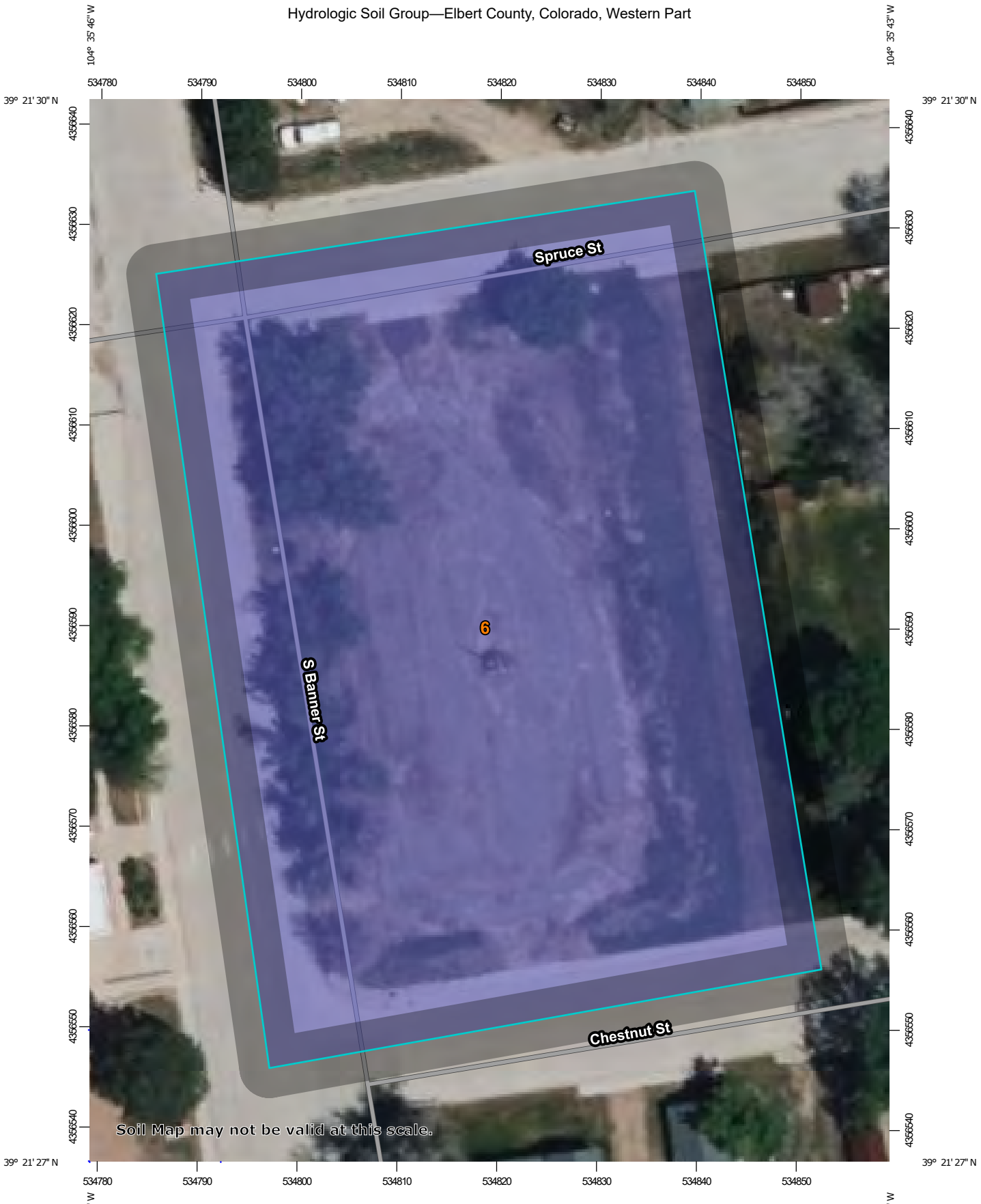
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 3/28/2024 at 7:08 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, commu FIRM panel number, and FIRM effective date unmapped and unmodernized areas cannot regulatory purposes.

Appendix B – Soils Information



Map Scale: 1:516 if printed on A portrait (8.5" x 11") sheet.

N

Meters: 0 5 10 20 30

Feet: 0 25 50 100 150

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	1.1	100.0%
Totals for Area of Interest			**1.1**	**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.

Rating Options

Aggregation Method: Dominant Condition

GEOTECHNICAL ENGINEERING REPORT

Proposed Residences
Spruce Street and Banner Street
Block 18, Lots 7 through 12, Phillips Addition
Elizabeth, Colorado

Prepared For:
LG Designs & Construction, LLC
188 Sandy Hollow Trail
Franktown, CO 80116

Prepared By:
Cole Garner Geotechnical
CGG Project No.: 23.22.139

September 26, 2023

Cole Garner Geotechnical
1070 W. 124th Ave, Ste. 300
Westminster, CO 80234
303.996.2999

September 26, 2023

LG Designs & Construction, LLC
188 Sandy Hollow Trail
Franktown, CO 80116

Attn: Mr. Lane Gregory
lgdesigns34@gmail.com
720.425.2212

Re: Geotechnical Engineering Report
Proposed Residences
Spruce Street and Banner Street
Block 18, Lots 7 through 12, Phillips Addition
Elizabeth, Colorado
CGG Project No. 23.22.139

Cole Garner Geotechnical (CGG) has completed a geotechnical engineering investigation for the proposed residential development to be constructed at the referenced address in Elizabeth, Colorado. This geotechnical summary should be used in conjunction with the entire report for design and/or construction purposes. It should be recognized that specific details were not included or fully developed in this section, and the report must be read in its entirety for a comprehensive understanding of the items contained herein. The section titled General Comments should be read for an understanding of the report limitations.

- **Subsurface Conditions:** Fine- to coarse-grained sand with varying amounts of silt and fine- to medium-grained clayey sand was present below the site pavements. The sands extended the full depth of exploration in borings Nos. 1 and 2. Sedimentary sandstone bedrock was encountered at a depth of 22 feet in boring No. 3 and extended the remaining depth of exploration. Other specific information regarding the subsurface conditions is shown on the attached boring logs.

- **Demolition, Soft/Loose Soils, and Site Preparation:** Existing pavements, light poles, and other features associated with previous site use will be demolished and removed from the site as part of the new construction. Demolition and removal of these features may expose or generate loose soil conditions. ***Demolition should include removal of any soft/loose or otherwise unsuitable backfill materials in the vicinity of the proposed construction.***

  The soils in our borings were relatively stable, however, some soft/unstable soils may also be encountered in foundation excavations and deeper excavations. If encountered, stabilization of foundation soils may be required. This stabilization would typically include limited subexcavation

Appendix C – Probable Cost Forms

Erosion and Sediment Control Plan
Engineer's Cost Opinion Spreadsheet for BMPs

Banner Paired Homes - Elizabeth, CO

BMP No.	BMP	ID	Unit	Installation Unit Cost	Quantity	Cost
1	Concrete Washout Area	CWA	EA	$750.00	2	$1,500.00
2	Construction Fence	CF	LF	$ 2.00	709	$1,418.00
3	Debris Trash Control		HR	$ 40.00	24	$960.00
4	Diversion Ditch	DC	LF	$ 2.00	250	$500.00
5	Erosion Control Blanket	ECB	SY	$ 2.10	59	$123.90
6	Inlet Protection, Curb	IP1	EA	$300.00	5	$1,500.00
7	Inlet Protection, For Area Inlets	IP3	EA	$300.00	1	$300.00
8	Rock Sock	CS	LF	$ 15.00	12	$180.00
9	Temporary Sediment Basin	SB	EA	$2,500.00	1	$2,500.00
10	Silt Fence	SF	LF	$1.25	546	$682.50
11	Stabilized Staging Area	SSA	EA	$500.00	1	$500.00
12	Vehicle Tracking Control	VTC	EA	$1,750.00	2	$3,500.00
	TOTAL					$13,664.40

Appendix D – Calculations

Design Procedure Form: Sand Filter (SF)

UD-BMP (Version 3.07, March 2018) **Sheet 1 of 2**

Designer: David Terron
Company: RLEG
Date: March 25, 2024
Project: Banner Paired Homes
Location: Elizabeth, CO

1. Basin Storage Volume	
A) Effective Imperviousness of Tributary Area, I_a (100% if all paved and roofed areas upstream of sand filter)	I_a = 44.9 %
B) Tributary Area's Imperviousness Ratio (i = I_a/100)	i = 0.449
C) Water Quality Capture Volume (WQCV) Based on 12-hour Drain Time WQCV= 0.8 * (0.91* i^3 - 1.19 * i^2 + 0.78 * i)	WQCV = 0.15 watershed inches
D) Contributing Watershed Area (including sand filter area)	Area = 24,034 sq ft
E) Water Quality Capture Volume (WQCV) Design Volume V_{WQCV} = WQCV / 12 * Area	V_{WQCV} = cu ft
F) For Watersheds Outside of the Denver Region, Depth of Average Runoff Producing Storm	d_6 = 1.15 in
G) For Watersheds Outside of the Denver Region, Water Quality Capture Volume (WQCV) Design Volume	$V_{WQCV\ OTHER}$ = cu ft
H) User Input of Water Quality Capture Volume (WQCV) Design Volume (Only if a different WQCV Design Volume is desired)	$V_{WQCV\ USER}$ = 305 cu ft
2. Basin Geometry	
A) WQCV Depth	D_{WQCV} = 0.4 ft
B) Sand Filter Side Slopes (Horizontal distance per unit vertical, 4:1 or flatter preferred). Use "0" if sand filter has vertical walls.	Z = 0.00 ft / ft
C) Minimum Filter Area (Flat Surface Area)	A_{Min} = 135 sq ft
D) Actual Filter Area	A_{Actual} = 140 sq ft
E) Volume Provided	V_T = 3166 cu ft
3. Filter Material	Choose One: (•) 18" CDOT Class B or C Filter Material; ( ) Other (Explain):
4. Underdrain System	
A) Are underdrains provided?	Choose One: (•) YES; ( ) NO
B) Underdrain system orifice diameter for 12 hour drain time	
i) Distance From Lowest Elevation of the Storage Volume to the Center of the Orifice	y = 2.5 ft
ii) Volume to Drain in 12 Hours	Vol_{12} = 305 cu ft
iii) Orifice Diameter, 3/8" Minimum	D_O = 3/8 in

Design Procedure Form: Sand Filter (SF)

Designer: David Terron
Company: RLEG
Date: March 25, 2024
Project: Banner Paired Homes
Location: Elizabeth, CO

5. Impermeable Geomembrane Liner and Geotextile Separator Fabric A) Is an impermeable liner provided due to proximity of structures or groundwater contamination?	Choose One (●) YES ( ) NO **PROVIDE A 30 MIL (MIN) PVC GEOMEMBRANE PER TABLE SF-4 WITH SEPARATOR FABRIC (PER TABLE SF-3) ABOVE IT. PROVIDE SEPARATOR FABRIC BELOW THE GEOMEMBRANE AS WELL IF SUBGRADE IS ANGULAR OR COULD OTHERWISE PUNCTURE THE GEOMEMBRANE.**
6. Inlet / Outlet Works A) Describe the type of energy dissipation at inlet points and means of conveying flows in excess of the WQCV through the outlet	Concrete forebays are to be provided at inlet points. A sand filter is flat and so there are no means to convey flows from one end of the pond to the other.

Notes:

Stage-Storage Volume

BANNER PAIRED HOMES

Job No.	240104
Date	02/21/24
Calculated By	DRT
Checked By	DRT

VOLUME EQUATION

Vol (V) = 1/3h(A1+A2+SQRT(A1*A2))

Where:

V = Volume in Cubic Feet (CF) or Acre-Feet (Ac-Ft)
h = Contour Interval in Feet (Ft)
A1,A2 = Area Enclosed by Successive Contours In Square Feet (SF)

STAGE-STORAGE RELATIONSHIP

Contour Elev. (ft)	Area (sf)	A1+A2 (sf)	SQRT(A1*A2) (sf)	(A1+A2)+ SQRT(A1*A2) (sf)	h (ft)	h/3 (ft)	Volume V (cf)	Accum. Vol. AV (cf)	Accum. Vol. AV (ac-ft)
6470.00	142							0	0.000
		942	337	1279	0.09	0.03	38.4		
6470.09	800							38	0.001
		1600	800	2400	0.91	0.30	728.0		**WQCV**
6471.00	800							766	0.018
		1600	800	2400	1.00	0.33	800.0		**EURV**
6472.00	800							1566	0.036
		1600	800	2400	1.00	0.33	800.0		**100-YR**
6473.00	800							2366	0.054
		1600	800	2400	1.00	0.33	800.0		
6474.00	800							3166	0.073

VOLUMES

WQCV	0.007 ac-ft	305 cf	
EURV	0.026 ac-ft	1,133 cf	
100-YR	0.046 ac-ft	2,004 cf	Total pond volume required.

WATER SURFACE INTERPOLATIONS

STAGE HEIGHT [FT]

Bottom of Pond El = 6470.00 0.00

Contour	Volume	Ac-ft
6470.1		0.001
WSEL	**WQCV**	**0.007**
6471.0		0.018

WQCV
Water Surface Elev. = 6470.42 0.42

Contour	Volume	Ac-ft
6471.0		0.018
WSEL	**EURV**	**0.026**
6472.0		0.036

EURV
Water Surface Elev. = 6471.46 1.46

Contour	Volume	Ac-ft
6472.0		0.036
WSEL	**100-YR**	**0.046**
6473.0		0.054

100-YR
Water Surface Elev. = 6472.55 2.55

Top of Pond El = 6474.00 4.00

Appendix E – GESC Permit

RESOLUTION 17R15

A RESOLUTION ESTABLISHING PERMIT FEES FOR THE TOWN'S GRADING, EROSION AND SEDIMENT CONTROL PERMITS

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

Section 1. The Town hereby establishes permit fees for its Grading, Erosion and Sediment Control ("GESC") Permits as follows:

Permit fee

Five (5) acres or less:	$1,200; and
Over five (5) acres:	$2,750.

PASSED, APPROVED, and ADOPTED this 28th day of March, 2017, by the Board of Trustees of the Town of Elizabeth, Colorado, on first and final reading, by a vote of 7 for and 0 against.

H. Clay Hurst, Mayor

ATTEST

Amanda W. Moore, Town Clerk

TOWN OF ELIZABETH INCORPORATED SEAL SEPTEMBER 24, 1890 ELBERT COUNTY COLORADO

COLORADO
Department of Public Health & Environment

Dedicated to protecting and improving the health and environment of the people of Colorado

ASSIGNED PERMIT NUMBER

_____

Date Received _____/_____/_____
MM DD YYYY

Revised: 3-2016

STORMWATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITIES APPLICATION

COLORADO DISCHARGE PERMIT SYSTEM (CDPS)

PHOTO COPIES, FAXED COPIES, PDF COPIES OR EMAILS WILL NOT BE ACCEPTED.

For Applications submitted on paper - Please print or type. Original signatures are required.
All items must be completed accurately and in their entirety for the application to be deemed complete. Incomplete applications will not be processed until all information is received which will ultimately delay the issuance of a permit. If more space is required to answer any question, please attach additional sheets to the application form. Applications or signature pages for the application may be submitted by mail or hand delivered to:

Colorado Department of Public Health and Environment, 4300 Cherry Creek Drive South, WQCD-P-B2, Denver, CO 80246-1530

For Applications submitted electronically
Please note that you can ONLY complete the feedback form by downloading it to a PC or Mac/Apple computer and opening the Application with Adobe Reader or a similar PDF reader. The form will NOT work with web browsers, Google preview, Mac preview software or on mobile devices using iOS or Android operating systems.

If application is submitted electronically, processing of the application will begin at that time and not be delayed for receipt of the signed document.

Any additional information that you would like the Division to consider in developing the permit should be provided with the application. Examples include effluent data and/or modeling and planned pollutant removal strategies.

Beginning July 1, 2016, invoices will be based on acres disturbed.
DO NOT PAY THE FEES NOW – Invoices will be sent after the receipt of the application.

Disturbed Acreage for this application (see page 4)

- ☐ Less than 1 acre ($83 initial fee, $165 annual fee)
- ☐ 1-30 acres ($175 initial fee, $350 annual fee)
- ☐ Greater than 30 acres ($270 initial fee, $540 annual fee)

PERMIT INFORMATION

Reason for Application: ☐ NEW CERT ☐ RENEW CERT EXISTING CERT# _____

Applicant is: ☐ Property Owner ☐ Contractor/Operator

A. CONTACT INFORMATION - *indicates required

*** PERMITTED ORGANIZATION FORMAL NAME:** _____

1) * PERMIT OPERATOR - the party that has operational control over day to day activities - may be the same as owner.

Responsible Person (Title): _____

Currently Held By (Person): FirstName: _____ LastName: _____

Telephone: _____ Email Address: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Per Regulation 61 : All reports required by permits, and other information requested by the Division shall be signed by the permittee or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(i) The authorization is made in writing by the permittee

(ii) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and

(iii) The written authorization is submitted to the Division

2) OWNER - party has ownership or long term lease of property - may be the same as the operator.

☐ Same as 1) Permit Operator

Responsible Person (Title): _____

Currently Held By (Person): FirstName: _____ LastName: _____

Telephone: _____ Email Address: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Per Regulation 61 : All reports required by permits, and other information requested by the Division shall be signed by the permittee or by a duly authorized representative of that person. A person is a duly authorized representative only if:

i. The authorization is made in writing by the permittee.
ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a **named individual** or any individual occupying a **named position);** and
iii. The written authorization is submitted to the Division.

3) *SITE CONTACT local contact for questions relating to the facility & discharge authorized by this permit for the facility

☐ Same as 1) Permit Operator

Responsible Person (Title): _____

Currently Held By (Person): FirstName: _____ LastName: _____

Telephone: _____ Email Address: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

4) *BILLING CONTACT if different than the permittee.

☐ Same as 1) Permit Operator

Responsible Person (Title): _____

Currently Held By (Person): FirstName: _____ LastName: _____

Telephone: _____ Email Address: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

5) OTHER CONTACT TYPES (check below) Add pages if necessary:

Responsible Person (Title): _____

Currently Held By (Person): FirstName: _____ LastName: _____

Telephone: _____ Email Address: _____

Organization: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

☐ Environmental Contact ☐ Consultant ☐ Stormwater MS4 Responsible Person

☐ Inspection Facility Contact ☐ Compliance Contact ☐ Stormwater Authorized Representative

B) PERMITTED PROJECT/FACILITY INFORMATION

Project/Facility Name _____

Street Address or Cross Streets _____

(e.g., Park St and 5 Ave; CR 21 and Hwy 10; 44 Ave and Clear Creek) ; A street name without an address, intersection, mile marker, or other identifying information describing the location of the project is not adequate. For **linear projects**, the route of the project should be described as best as possible using the starting point for the address and latitude and longitude – more clearly defined in the required map)

City: _____ County: _____ Zip Code: _____

Facility Latitude/Longitude - List the latitude and longitude of the excavation(s) resulting in the discharge(s). If the exact soil disturbing location(s) are not known, list the latitude and longitude of the center point of the construction project. If using the center point, be sure to specify that it is the center point of construction activity. The preferred method is GPS and Decimal Degrees.

Latitude _____ . _____ Longitude _____ . _____ (e.g., 39.70312°, 104.93348°)
Decimal Degrees (to 5 decimal places) Decimal Degrees (to 5 decimal places)

This information may be obtained from a variety of sources, including:

- **Surveyors or engineers** for the project should have, or be able to calculate, this information.
- **U.S. Geological Survey topographical map(s)**, available at area map stores.
- Using a **Global Positioning System (GPS) unit** to obtain a direct reading.
- **Google** - enter address in search engine, select the map, right click on location, and select "what's here".

***Note**: the latitude/longitude required above is not the directional degrees, minutes, and seconds provided on a site legal description to define property boundaries.*

C) MAP (Attachment) If no map is submitted, the application cannot be submitted.

Map: Attach a map that indicates the site location and that CLEARLY shows the boundaries of the area that will be disturbed. A vicinity map is not adequate for this purpose.

D) LEGAL DESCRIPTION - only for Subdivisions

Legal description: If subdivided, provide the legal description below, or indicate that it is not applicable (**do not** supply Township/Range/Section or metes and bounds description of site)

Subdivision(s): _____ Lot(s): _____ Block(s) _____

OR ☐ Not applicable (site has not been subdivided)

E) AREA OF CONSTRUCTION SITE - SEE PAGE 1 - WILL DETERMINE FEE

Provide both the total area of the construction site, and the area that will undergo disturbance, in acres.

Total area of project disturbance site (acres): _____

Note: aside from clearing, grading and excavation activities, disturbed areas also include areas receiving overburden (e.g., stockpiles), demolition areas, and areas with heavy equipment/vehicle traffic and storage that disturb existing vegetative cover.

☐ Part of Larger Common Plan of Development or Sale, (i.e., total, including all phases, filings, lots, and infrastructure not covered by this application)

F) NATURE OF CONSTRUCTION ACTIVITY

Check the appropriate box(es) or provide a brief description that indicates the general nature of the construction activities. (The full description of activities must be included in the Stormwater Management Plan.)

☐ Commercial Development

☐ Residential Development

☐ Highway and Transportation Development

☐ Pipeline and Utilities (including natural gas, electricity, water, and communications)

☐ Oil and Gas Exploration and Well Pad Development

☐ Non-structural and other development (i.e. parks, trails, stream realignment, bank stabilization, demolition, etc.)

G) ANTICIPATED CONSTRUCTION SCHEDULE

Construction Start Date: _____ Final Stabilization Date: _____

- *Construction Start Date* - This is the day you expect to begin ground disturbing activities, including grubbing, stockpiling, excavating, demolition, and grading activities.
- *Final Stabilization Date* - in terms of permit coverage, this is when the site is finally stabilized. This means that all ground surface disturbing activities at the site have been completed, and all disturbed areas have been either built on, paved, or a uniform vegetative cover has been established with an individual plant density of at least 70 percent of pre-disturbance levels. **Permit coverage must be maintained until the site is finally stabilized. Even if you are only doing one part of the project, the estimated final stabilization date must be for the <u>overall</u> project**.
  If permit coverage is still required once your part is completed, the permit certification may be transferred or reassigned to a new responsible entity(s).

H) RECEIVING WATERS (If discharge is to a ditch or storm sewer, include the name of the ultimate receiving waters)

Immediate Receiving Water(s): _____

Ultimate Receiving Water(s): _____

Identify the receiving water of the stormwater from your site. Receiving waters are any waters of the State of Colorado. This includes all water courses, even if they are usually dry. If stormwater from the construction site enters a ditch or storm sewer system, identify that system and indicate the ultimate receiving water for the ditch or storm sewer. **Note:** a stormwater discharge permit does <u>not</u> allow a discharge into a ditch or storm sewer system without the approval of the owner/ operator of that system.

I) SIGNATURE PAGE

1. **You may print and sign this document and mail the hard copy to the State along with required documents (address on page one).**

2. **Electronic Submission Signature**
   You may choose to submit your application electronically, along with required attachments. To do so, click the SUBMIT button below which will direct you, via e-mail , to sign the document electronically using the DocuSign Electronic Signature process. Once complete, you will receive via e-mail, an electronically stamped Adobe pdf of this application. Print the signature page from the electronically stamped pdf, sign it and mail it to the WQCD Permits Section to complete the application process (address is on page one of the application).
   - **The Division encourages use of the electronic submission of the application and electronic signature. This method meets signature requirements as required by the State of Colorado.**
   - **The ink signed copy of the electronically stamped pdf signature page is also required to meet Federal EPA Requirements.**
   - **Processing of the application will begin with the receipt of the valid electronic signature.**

☐ **STORMWATER MANAGEMENT PLAN CERTIFICATION**

By checking this box "I certify under penalty of law that a complete Stormwater Management Plan, as described in Appendix B of this application, has been prepared for my activity. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the Stormwater Management Plan is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for falsely certifying the completion of said SWMP, including the possibility of fine and imprisonment for knowing violations."

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."
"I understand that submittal of this application is for coverage under the State of Colorado General Permit for Stormwater Discharges [illegible] Activity **for the entirety of the construction site/project described and applied for, until such time as the application is amended or transferred, inactivated, or expired**." [Reg 61.4(1)(h)]

For Docusign
Electronic Signature _____ Ink Signature _____ Date: _____

Signature of Legally Responsible Person or Authorized Agent (submission must include original signature)

Name (printed) _____ Title _____

Signature: The applicant must be either the owner and operator of the construction site. Refer to Part B of the instructions for additio
The application must be signed by the applicant to be considered complete. In all cases, it shall be signed as follows:
(Regulation 61.4 (1ei)
a) In the case of corporations, by the responsible corporate officer is responsible for the overall operation of the facility from which the discharge described in the form originates
b) In the case of a partnership, by a general partner.
c) In the case of a sole proprietorship, by the proprietor.
d) In the case of a municipal, state, or other public facility, by either a principal executive officer, ranking elected official, (a principal executive officer has responsibility for the overall operation of the facility from which the discharge originates).

3rd Party Preparer: If this form was prepared by an authorized agent on behalf of the Permittee, please complete the field below.

Preparer Name (printed) _____ Email Address _____

DO NOT INCLUDE A COPY OF THE STORMWATER MANAGEMENT PLAN
DO NOT INCLUDE PAYMENT—AN INVOICE WILL BE SENT AFTER THE CERTIFICATION IS ISSUED.

	Attach Map
	Attach File
	Attach File
	Attach File
	Attach File

Submit

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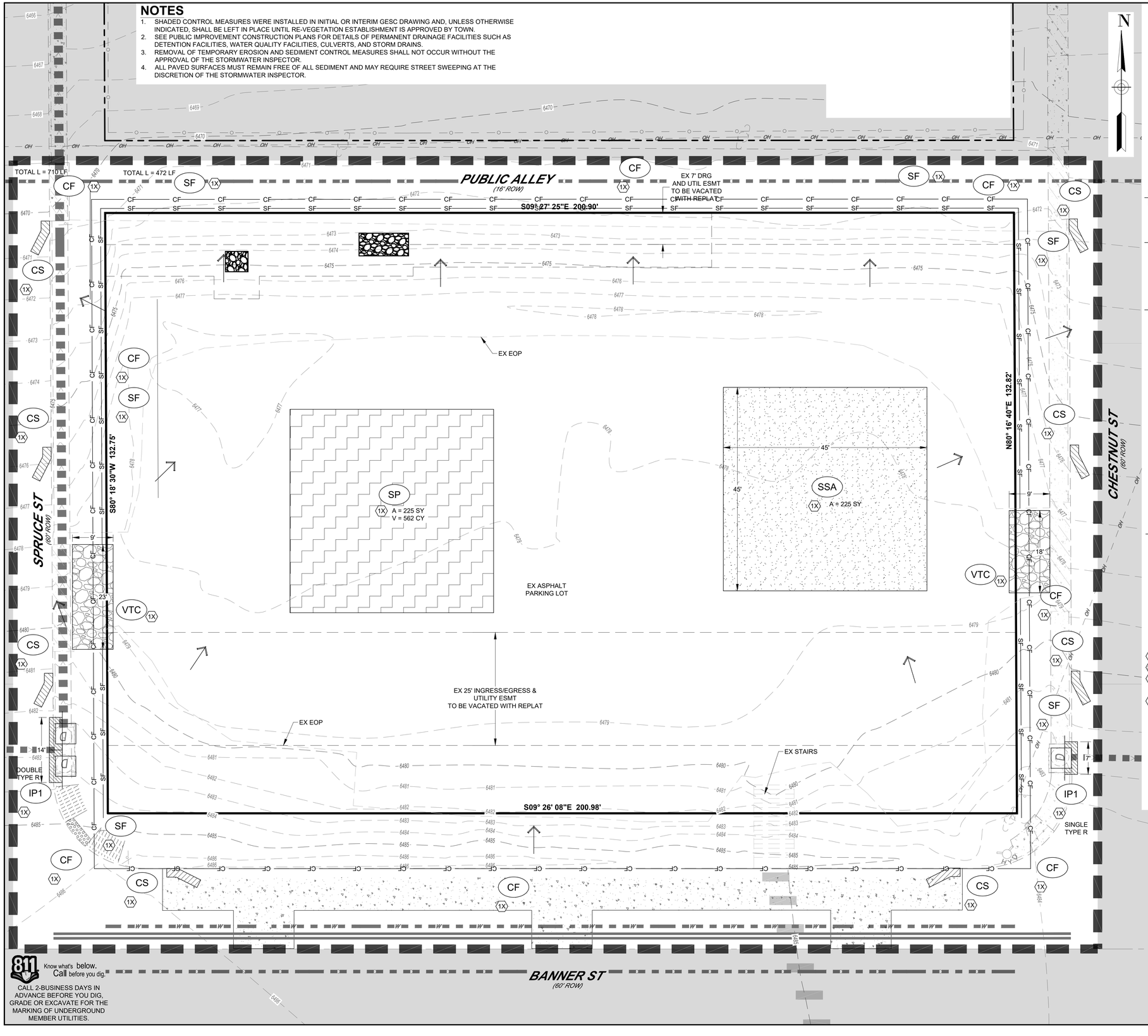
Appendix F – Erosion and Sediment Control Plans

NOTES

1. SHADED CONTROL MEASURES WERE INSTALLED IN INITIAL OR INTERIM GESC DRAWING AND, UNLESS OTHERWISE INDICATED, SHALL BE LEFT IN PLACE UNTIL RE-VEGETATION ESTABLISHMENT IS APPROVED BY TOWN.
2. SEE PUBLIC IMPROVEMENT CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, AND STORM DRAINS.
3. REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR.
4. ALL PAVED SURFACES MUST REMAIN FREE OF ALL SEDIMENT AND MAY REQUIRE STREET SWEEPING AT THE DISCRETION OF THE STORMWATER INSPECTOR.



BMP LEGEND

5280	PROPOSED CONTOUR	
5280	EXISTING CONTOUR	
	DRAINAGE FLOW	
	AREA OUTSIDE CONSTRUCTION LIMITS	
	AGGREGATE STOCKPILE	
	TOPSOIL STOCKPILE	
	CHECK DAM	CD
	CONCRETE WASHOUT AREA	CW
CF	CONSTRUCTION FENCE	CF
	CULVERT INLET PROTECTION	CIP
	CURB SOCK	CS
	DIVERSION CHANNEL	DC
	EROSION CONTROL BLANKET	ECB
	BLOCK AND ROCK-SOCK INLET PROTECTION	IP1
	ROCK SOCK SUMP INLET PROTECTION	IP3
	LIMITS OF CONSTRUCTION	LOC
	ROUGH CUT STREET CONTROL	RCS
	ROCK SOCK	RS
	SEDIMENT BASIN	SB
	SEDIMENT CONTROL LOG	SCL
	SEEDING AND MULCHING	SM
SF	SILT FENCE	SF
	STOCKPILE PROTECTION PLAN	SP
	STABILIZED STAGING AREA	SSA
	VEHICLE TRACKING CONTROL	VTC

STAGING NOTES:

#X INSTALL BMP
#M MAINTAIN BMP
#R REMOVE BMP

1 INITIAL STAGE - SITE DEMOLITION, CLEARING, AND GRUBBING

CONSTRUCTION ACTIVITY
- DEMOLITION OF ITEMS LABELED TO BE REMOVED. SEE SHEET C3.10 FOR DETAILS.
- CLEARING AND GRUBBING
- TOP SOIL STRIPPING AND STOCKPILING

BMP CONTROL MEASURES
- (REFER TO USDCM VOLUME 3, SEE DETAILS SHEET C5.40)

EROSION CONTROL
- ESTABLISH: LIMITS OF CONSTRUCTION (LOC)
- PERFORM: EC-14 WIND EROSION / DUST CONTROL (DC)

MATERIALS MANAGEMENT
- PERFORM: MM-2 STOCKPILE MANAGEMENT (SP)
- PERFORM: MM-3 GOOD HOUSEKEEPING PRACTICES (GH)

SEDIMENT CONTROL
- INSTALL: SC-1 SILT FENCE (SF)
- INSTALL: SC-5 CURB SOCK / ROCK SOCK (CS) (RS)
- INSTALL: SC-6 INLET PROTECTION (IP) FOR EXISTING INLETS ONLY

SITE MANAGEMENT
- PERFORM: SM-1 CONSTRUCTION PHASING AND SEQUENCING (CP)
- INSTALL: SM-3 CONSTRUCTION FENCE (CF)
- INSTALL: SM-4 VEHICLE TRACKING CONTROL (VTC)
- INSTALL: SM-6 STABILIZED STAGING AREA (SSA)
- PERFORM: SM-7 STREET SWEEPING (SS)
- PERFORM: SM-12 PAVING AND GRINDING OPERATIONS (PGO)

811 Know what's below. Call before you dig.
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
GESC PLAN (INITIAL)

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

ISSUE DATE: 02/24/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

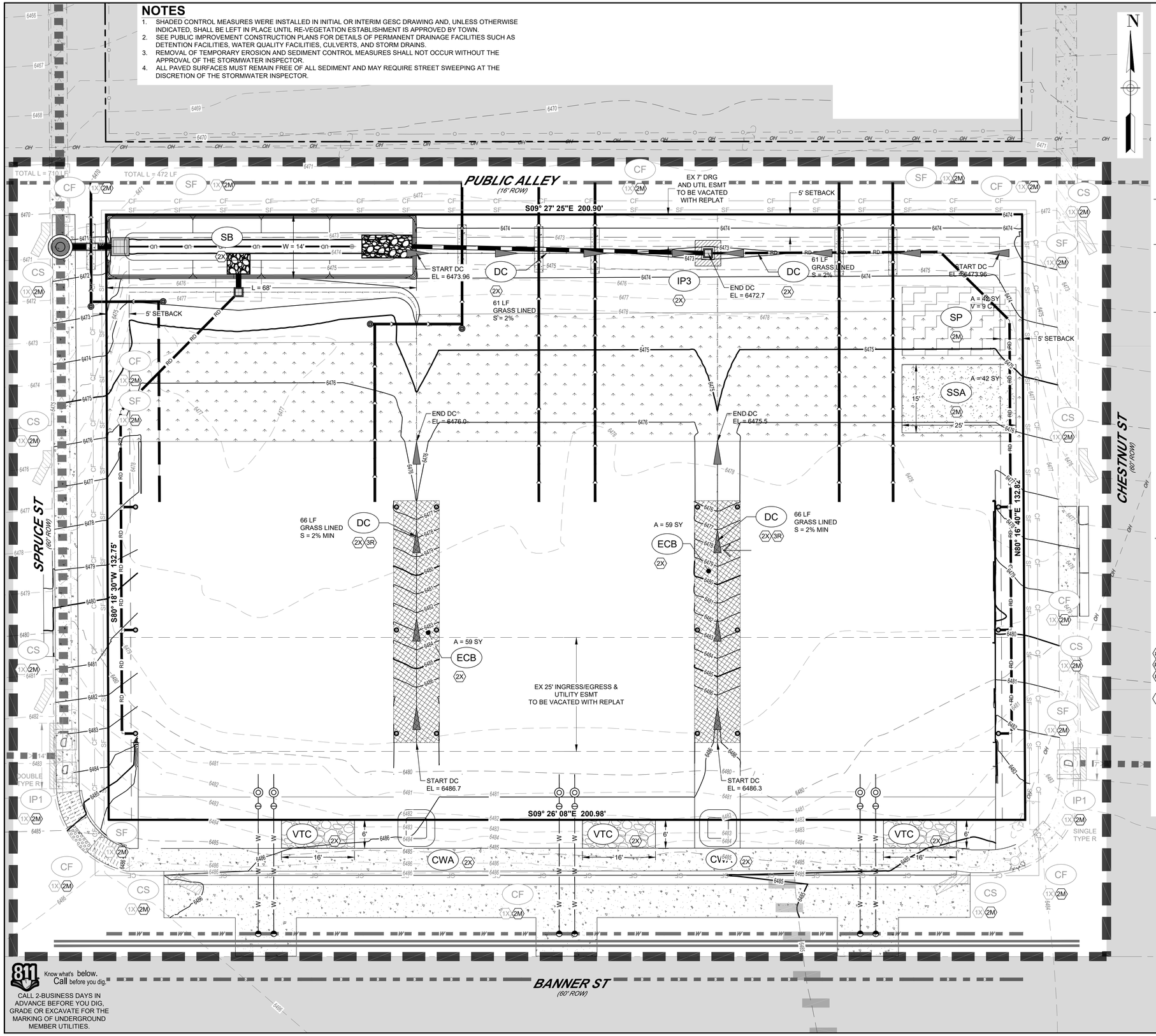
10 0 10
HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C2.10

File Name: S:_Projects\240104 - Elizabeth Townhomes\CADD\Sheet Sets\CD's\C2.10 - GESC PLAN (INITIAL).dwg Plotted by: Collin Miller Date: 3/29/2024 10:14 AM

NOTES

1. SHADED CONTROL MEASURES WERE INSTALLED IN INITIAL OR INTERIM GESC DRAWING AND, UNLESS OTHERWISE INDICATED, SHALL BE LEFT IN PLACE UNTIL RE-VEGETATION ESTABLISHMENT IS APPROVED BY TOWN.
2. SEE PUBLIC IMPROVEMENT CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, AND STORM DRAINS.
3. REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR.
4. ALL PAVED SURFACES MUST REMAIN FREE OF ALL SEDIMENT AND MAY REQUIRE STREET SWEEPING AT THE DISCRETION OF THE STORMWATER INSPECTOR.



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BMP LEGEND

5280	PROPOSED CONTOUR	
5280	EXISTING CONTOUR	
	DRAINAGE FLOW	
	AREA OUTSIDE CONSTRUCTION LIMITS	
	AGGREGATE STOCKPILE	
	TOPSOIL STOCKPILE	
	CHECK DAM	CD
	CONCRETE WASHOUT AREA	CW
CF	CONSTRUCTION FENCE	CF
	CULVERT INLET PROTECTION	CIP
	CURB SOCK	CS
	DIVERSION CHANNEL	DC
	EROSION CONTROL BLANKET	ECB
	BLOCK AND ROCK-SOCK INLET PROTECTION	IP1
	ROCK SOCK SUMP INLET PROTECTION	IP3
	LIMITS OF CONSTRUCTION	LOC
	ROUGH CUT STREET CONTROL	RCS
	ROCK SOCK	RS
	SEDIMENT BASIN	SB
	SEDIMENT CONTROL LOG	SCL
	SEEDING AND MULCHING	SM
SF	SILT FENCE	SF
	STOCKPILE PROTECTION PLAN	SP
	STABILIZED STAGING AREA	SSA
	VEHICLE TRACKING CONTROL	VTC

STAGING NOTES:

- #X INSTALL BMP
- #M MAINTAIN BMP
- #R REMOVE BMP

2 INTERIM STAGE - VERTICAL CONSTRUCTION

CONSTRUCTION ACTIVITY
- FOUNDATION SUB-EXCAVATION AND SHORING
- UTILITY AND INFRASTRUCTURE INSTALLATION
- BUILDING CONSTRUCTION

BMP CONTROL MEASURES
- (REFER TO USDCM VOLUME 3, SEE DETAILS SHEET C5.40)

EROSION CONTROL
- ESTABLISH: LIMITS OF CONSTRUCTION (LOC)
- INSTALL: EC-6 EROSION CONTROL BLANKET (ECB)
- INSTALL: EC-10 DIVERSION CHANNEL (DC)
- PERFORM: EC-14 WIND EROSION / DUST CONTROL (WEDC)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

MATERIALS MANAGEMENT
- INSTALL: MM-1 CONCRETE WASHOUT AREA (CWA)
- PERFORM: MM-2 STOCKPILE MANAGEMENT (SP)
- PERFORM: MM-3 GOOD HOUSEKEEPING PRACTICES (GH)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

SEDIMENT CONTROL
- INSTALL: SC-6 INLET PROTECTION (IP)
- INSTALL: SC-7 SEDIMENT BASIN (SB)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

SITE MANAGEMENT
- INSTALL: SM-4 VEHICLE TRACKING CONTROL (VTC)
- INSTALL: SM-6 STABILIZED STAGING AREA (SSA)
- PERFORM: SM-7 STREET SWEEPING (SS)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

ROTH LANG ENGINEERING GROUP LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
GESC PLAN (INTERIM)

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

ISSUE DATE: 02/24/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

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HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C2.20

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NOTES

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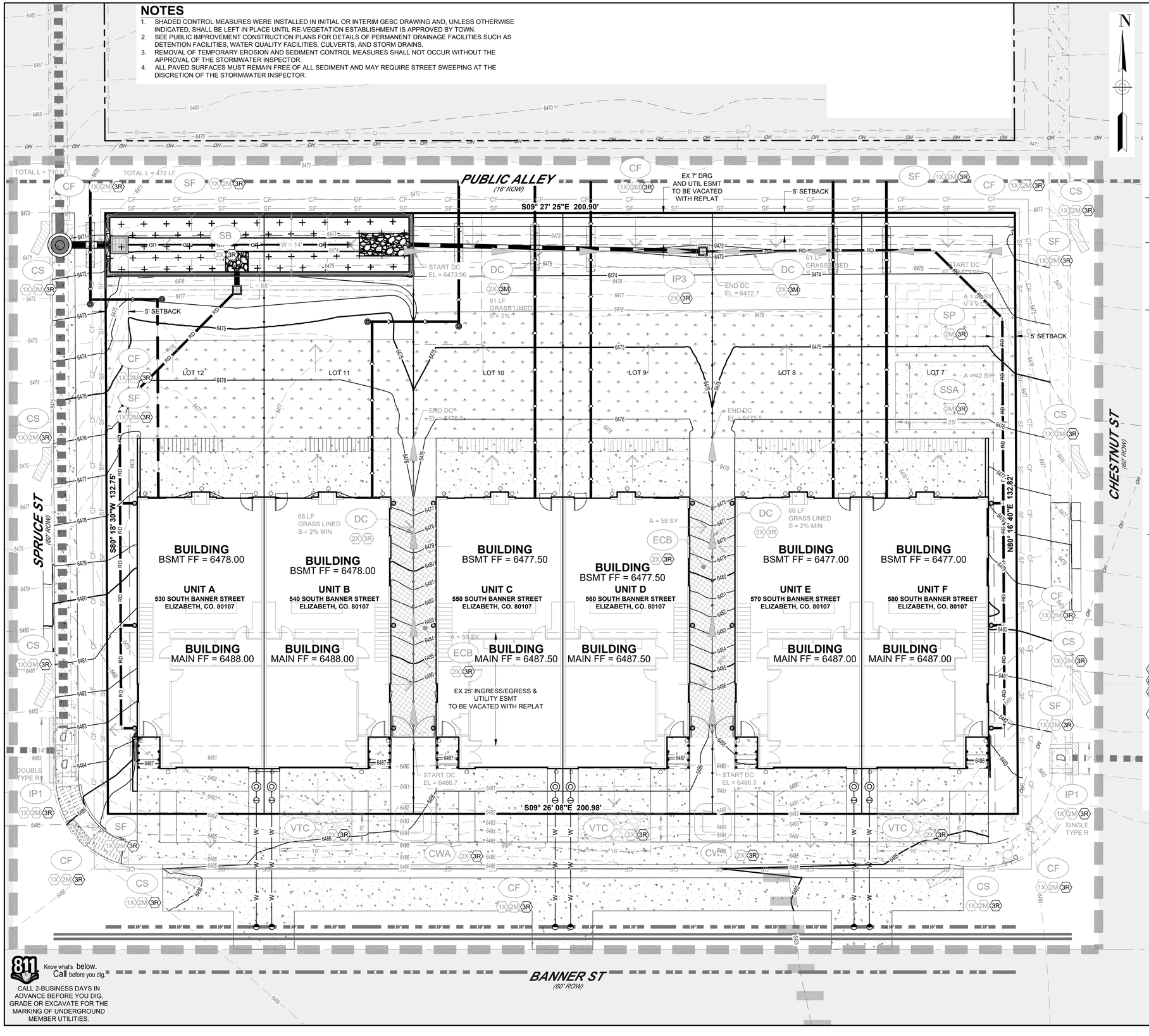

BMP LEGEND

5280		PROPOSED CONTOUR
5280		EXISTING CONTOUR
←		DRAINAGE FLOW
		AREA OUTSIDE CONSTRUCTION LIMITS
		AGGREGATE STOCKPILE
		TOPSOIL STOCKPILE
	CD	CHECK DAM
	CW	CONCRETE WASHOUT AREA
CF	CF	CONSTRUCTION FENCE
	CIP	CULVERT INLET PROTECTION
	CS	CURB SOCK
	DC	DIVERSION CHANNEL
	ECB	EROSION CONTROL BLANKET
	IP1	BLOCK AND ROCK-SOCK INLET PROTECTION
	IP3	ROCK SOCK SUMP INLET PROTECTION
	LOC	LIMITS OF CONSTRUCTION
	RCS	ROUGH CUT STREET CONTROL
	RS	ROCK SOCK
	SB	SEDIMENT BASIN
	SCL	SEDIMENT CONTROL LOG
	SM	SEEDING AND MULCHING
SF	SF	SILT FENCE
	SP	STOCKPILE PROTECTION PLAN
	SSA	STABILIZED STAGING AREA
	VTC	VEHICLE TRACKING CONTROL

STAGING NOTES:

- #X INSTALL BMP
- #M MAINTAIN BMP
- #R REMOVE BMP

3 FINAL STAGE - SITE STABILIZATION / COMPLETION OF PROJECT

CONSTRUCTION ACTIVITY
- FINAL GRADING
- FINAL SITE STABILIZATION

CONSTRUCTION BMPS. REFER TO USDCM VOLUME 3. SEE DETAILS SHEETS C5.40 - C5.47.

MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE, REMOVE ONLY WITH INSPECTORS PERMISSION.
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE
- REFER TO APPROVED LANDSCAPE PLANS FOR FINAL STABILIZATION.

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PREPARED FOR:

ISSUE DATE: 02/24/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

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HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C2.30

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Appendix G – Standard Stormwater Quality Inspection Form

CONSTRUCTION STORMWATER SITE INSPECTION REPORT

Facility Name		Permittee	
Date of Inspection		Weather Conditions	
Permit Certification #		Disturbed Acreage	
Phase of Construction		Inspector Title	
Inspector Name			

	YES	NO
Is the above inspector a qualified stormwater manager? (permittee is responsible for ensuring that the inspector is a qualified stormwater manager)	☐	☐

INSPECTION FREQUENCY	
Check the box that describes the minimum inspection frequency utilized when conducting each inspection	
At least one inspection every 7 calendar days	☐
At least one inspection every 14 calendar days, with post-storm event inspections conducted within 24 hours after the end of any precipitation or snowmelt event that causes surface erosions	☐
• This is this a post-storm event inspection. Event Date: _____	☐
Reduced inspection frequency - Include site conditions that warrant reduced inspection frequency	☐
• Post-storm inspections at temporarily idle sites	☐
• Inspections at completed sites/area	☐
• Winter conditions exclusion	☐

	YES	NO
Have there been any deviations from the minimum inspection schedule? If yes, describe below.	☐	☐

INSPECTION REQUIREMENTS*
i. Visually verify all implemented control measures are in effective operational condition and are working as designed in the specifications
ii. Determine if there are new potential sources of pollutants
iii. Assess the adequacy of control measures at the site to identify areas requiring new or modified control measures to minimize pollutant discharges
iv. Identify all areas of non-compliance with the permit requirements, and if necessary, implement corrective action
*Use the attached **Control Measures Requiring Routine Maintenance** and **Inadequate Control Measures Requiring Corrective Action** forms to document results of this assessment that trigger either maintenance or corrective actions

AREAS TO BE INSPECTED			
Is there evidence of, or the potential for, pollutants leaving the construction site boundaries, entering the stormwater drainage system or discharging to state waters at the following locations?			
	NO	YES	If "YES" describe discharge or potential for discharge below. Document related maintenance, inadequate control measures and corrective actions **Inadequate Control Measures Requiring Corrective Action** form
Construction site perimeter	☐	☐	
All disturbed areas	☐	☐	
Designated haul routes	☐	☐	
Material and waste storage areas exposed to precipitation	☐	☐	
Locations where stormwater has the potential to discharge offsite	☐	☐	
Locations where vehicles exit the site	☐	☐	
Other: _____	☐	☐	

CONTROL MEASURES REQUIRING ROUTINE MAINTENANCE

Definition: Any control measure that is still operating in accordance with its design and the requirements of the permit, but requires maintenance to prevent a breach of the control measure. These items are not subject to the corrective action requirements as specified in Part I.B.1.c of the permit.

Are there control measures requiring maintenance?	NO	YES	
	☐	☐	If "YES" document below

Date Observed	Location	Control Measure	Maintenance Required	Date Completed

INADEQUATE CONTROL MEASURES REQUIRING CORRECTIVE ACTION

Definition: Any control measure that is not designed or implemented in accordance with the requirements of the permit and/or any control measure that is not implemented to operate in accordance with its design. This includes control measures that have not been implemented for pollutant sources. If it is infeasible to install or repair the control measure immediately after discovering the deficiency the reason must be documented and a schedule included to return the control measure to effective operating condition as possible.

	NO	YES	
Are there inadequate control measures requiring corrective action?	☐	☐	If "YES" document below

	NO	YES	
Are there additional control measures needed that were not in place at the time of inspection?	☐	☐	If "YES" document below

Date Discovered	Location	Description of Inadequate Control Measure	Description of Corrective Action	Was deficiency corrected when discovered? YES/NO if "NO" provide reason and schedule to correct	Date Corrected

REPORTING REQUIREMENTS

The permittee shall report the following circumstances orally within twenty-four (24) hours from the time the permittee becomes aware of the circumstances, and shall mail to the division a written report containing the information requested within five (5) working days after becoming aware of the following circumstances. The division may waive the written report required if the oral report has been received within 24 hours.

All Noncompliance Requiring 24-Hour Notification per Part II.L.6 of the Permit

a. Endangerment to Health or the Environment

Circumstances leading to any noncompliance which may endanger health or the environment regardless of the cause of the incident (See Part II.L.6.a of the Permit)

This category would primarily result from the discharge of pollutants in violation of the permit

b. Numeric Effluent Limit Violations

- Circumstances leading to any unanticipated bypass which exceeds any effluent limitations (See Part II.L.6.b of the Permit)
- Circumstances leading to any upset which causes an exceedance of any effluent limitation (See Part II.L.6.c of the Permit)
- Daily maximum violations (See Part II.L.6.d of the Permit)

Numeric effluent limits are very uncommon in certifications under the COR400000 general permit. This category of noncompliance only applies if numeric effluent limits are included in a permit certification.

Has there been an incident of noncompliance requiring 24-hour notification?	NO	YES	
	☐	☐	If "YES" document below

Date and Time of Incident	Location	Description of Noncompliance	Description of Corrective Action	Date and Time of 24 Hour Oral Notification	Date of 5 Day Written Notification *

*Attach copy of 5 day written notification to report. Indicate if written notification was waived, including the name of the division personnel who granted waiver.

After adequate corrective action(s) and maintenance have been taken, or where a report does not identify any incidents requiring corrective action or maintenance, the individual(s) designated as the Qualified Stormwater Manager, shall sign and certify the below statement:

"I verify that, to the best of my knowledge and belief, all corrective action and maintenance items identified during the inspection are complete, and the site is currently in compliance with the permit."

Name of Qualified Stormwater Manager	Title of Qualified Stormwater Manager
Signature of Qualified Stormwater Manager	Date

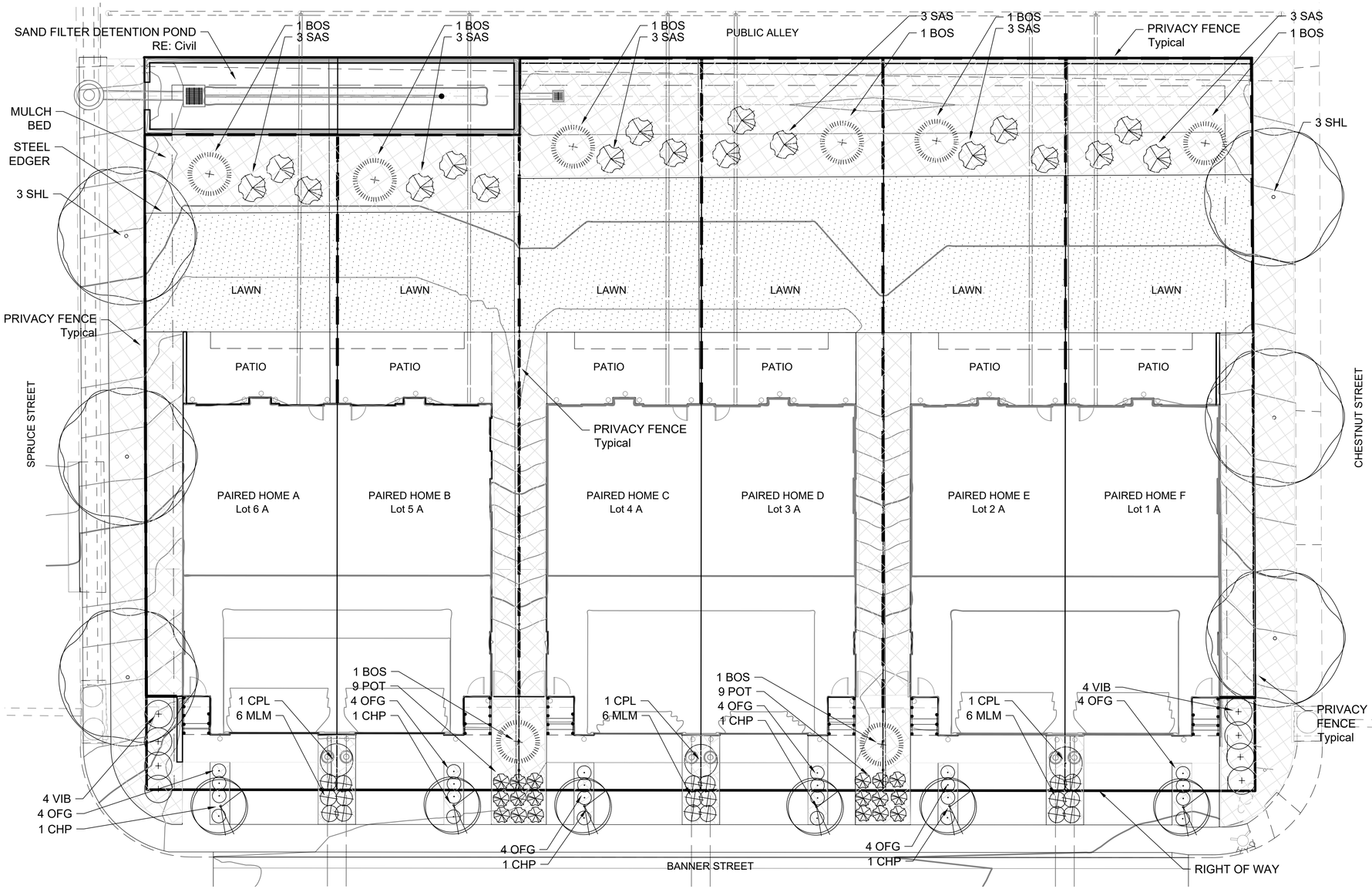
Notes/Comments

FINAL STABILIZATION PLAN

BANNER PAIRED HOMES

SITE DEVELOPMENT PLAN

LOTS 7 THRU 12, BLOCK 18, PHILLIPS ADDITION TO THE TOWN OF ELIZABETH SUBDIVISION
LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, SIXTH PRINCIPAL MERIDIAN
TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO
LOCATED AT: 530, 540, 550, 560, 570, 580 BANNER STREET



LANDSCAPE PLAN

0 10' 20'

North Scale 1"=10'

Landscape Requirements
Municipal Code Section 16-2-50

Public Improvements

Spruce Street
3 trees required - 3 trees provide

Chestnut Street
3 trees required - 3 trees provided

Banner Street
5 trees required - 6 tress provided
10 shrubs required - 12 shrubs provided

Landscape Area 1,800 sf
(1 tree & 5 shrubs / 1,500 sf landscape area)

Legend

Drought tolerant turf in rear yards
Irrigated Thermal Blue Texas Hybrid Turf
Total turf area - 5,200 sf

Rock mulch
Crushed granite rock 2"-3" depth over weed barrier
Total rock area Public Improvement - 1,800 sf
Total rock area Private Yards - 6,020 sf

6' Privacy Fence
See fence detail sheet

Prepared by:

Tim Dunn Design
Landscape Architecture
Tim Dunn A.S.L.A. R.L.A
720.350.2411
tadunn1958@gmail.com

LANDSCAPE ARCHITECT, TIM DUNN
COLORADO LICENSE #409

SHEET NUMBER:
5 OF 8

NOTES

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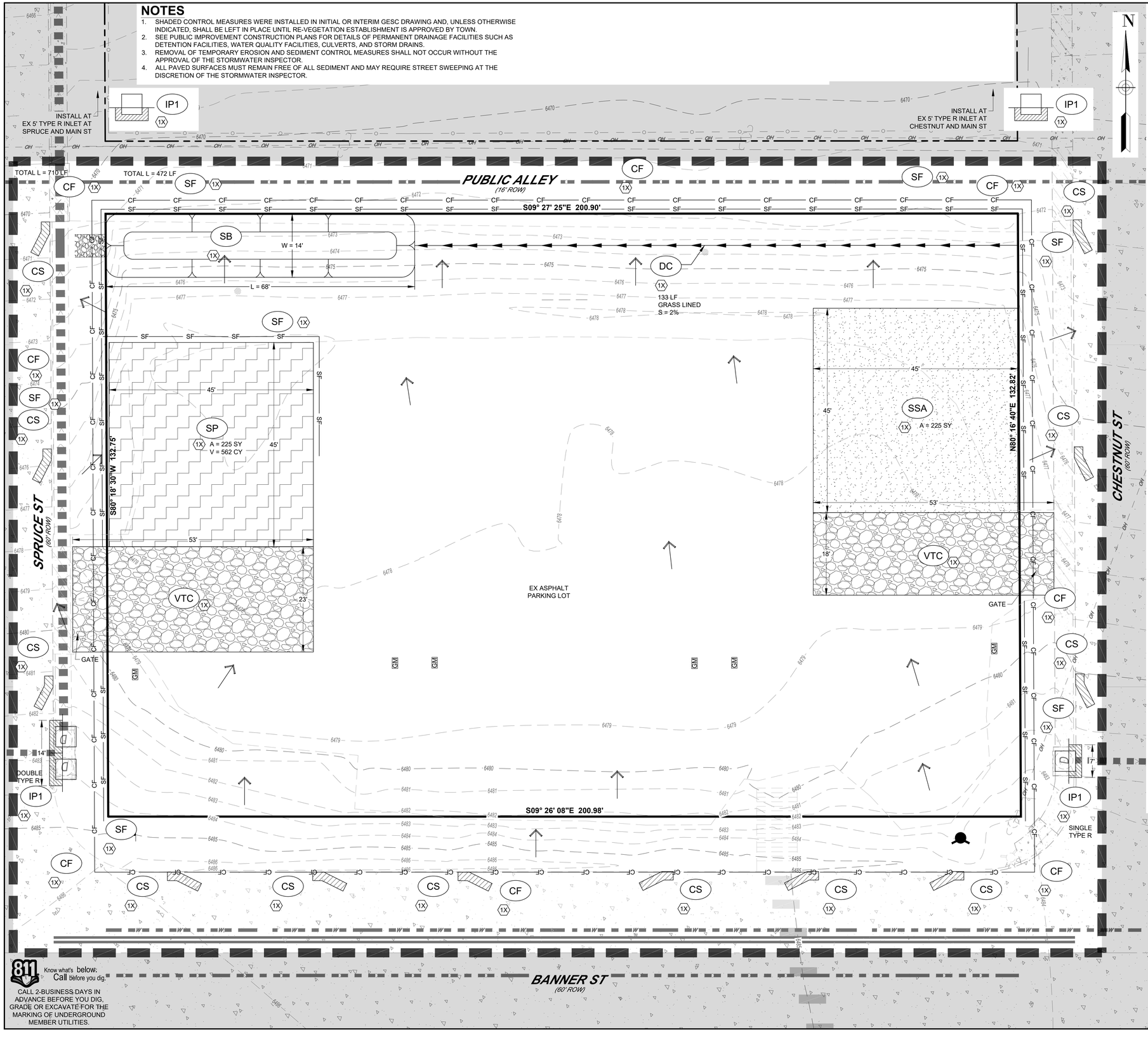
2. SEE PUBLIC IMPROVEMENT CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, AND STORM DRAINS.
3. REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR.
4. ALL PAVED SURFACES MUST REMAIN FREE OF ALL SEDIMENT AND MAY REQUIRE STREET SWEEPING AT THE DISCRETION OF THE STORMWATER INSPECTOR.



BMP LEGEND

- PROPOSED CONTOUR (5280)
- EXISTING CONTOUR (5280)
- DRAINAGE FLOW
- AREA OUTSIDE CONSTRUCTION LIMITS
- AGGREGATE STOCKPILE
- TOPSOIL STOCKPILE

CD	CHECK DAM
CW	CONCRETE WASHOUT AREA
CF	CONSTRUCTION FENCE
CIP	CULVERT INLET PROTECTION
CS	CURB SOCK
DC	DIVERSION CHANNEL
ECB	EROSION CONTROL BLANKET
IP1	BLOCK AND ROCK-SOCK INLET PROTECTION
IP3	ROCK SOCK SUMP INLET PROTECTION
LOC	LIMITS OF CONSTRUCTION
RCS	ROUGH CUT STREET CONTROL
RS	ROCK SOCK
SB	SEDIMENT BASIN
SCL	SEDIMENT CONTROL LOG
SM	SEEDING AND MULCHING
SF	SILT FENCE
SP	STOCKPILE PROTECTION PLAN
SSA	STABILIZED STAGING AREA
VTC	VEHICLE TRACKING CONTROL

STAGING NOTES:

- #X INSTALL BMP
- #M MAINTAIN BMP
- #R REMOVE BMP

1 INITIAL STAGE - SITE DEMOLITION, CLEARING, AND GRUBBING

CONSTRUCTION ACTIVITY
- DEMOLITION OF ITEMS LABELED TO BE REMOVED. SEE SHEET C3.10 FOR DETAILS.
- CLEARING AND GRUBBING
- TOP SOIL STRIPPING AND STOCKPILING

BMP CONTROL MEASURES
- (REFER TO USDCM VOLUME 3, SEE DETAILS SHEET C5.40)

EROSION CONTROL
- ESTABLISH: LIMITS OF CONSTRUCTION (LOC)
- PERFORM: EC-14 WIND EROSION / DUST CONTROL (DC)

MATERIALS MANAGEMENT
- PERFORM: MM-2 STOCKPILE MANAGEMENT (SP)
- PERFORM: MM-3 GOOD HOUSEKEEPING PRACTICES (GH)

SEDIMENT CONTROL
- INSTALL: SC-1 SILT FENCE (SF)
- INSTALL: SC-5 CURB SOCK / ROCK SOCK (CS) (RS)
- INSTALL: SC-6 INLET PROTECTION (IP) FOR EXISTING INLETS ONLY
- INSTALL: SM-7 SEDIMENT BASIN (SB)

SITE MANAGEMENT
- PERFORM: SM-1 CONSTRUCTION PHASING AND SEQUENCING (CP)
- INSTALL: SM-3 CONSTRUCTION FENCE (CF)
- INSTALL: SM-4 VEHICLE TRACKING CONTROL (VTC)
- INSTALL: SM-6 STABILIZED STAGING AREA (SSA)
- PERFORM: SM-7 STREET SWEEPING (SS)
- PERFORM: SM-12 PAVING AND GRINDING OPERATIONS (PGO)

811 Know what's below: Call before you dig.
CALL 2-BUSINESS DAYS IN ADVANCE BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND MEMBER UTILITIES.

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
GESC PLAN (INITIAL)

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

ISSUE DATE: 02/24/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

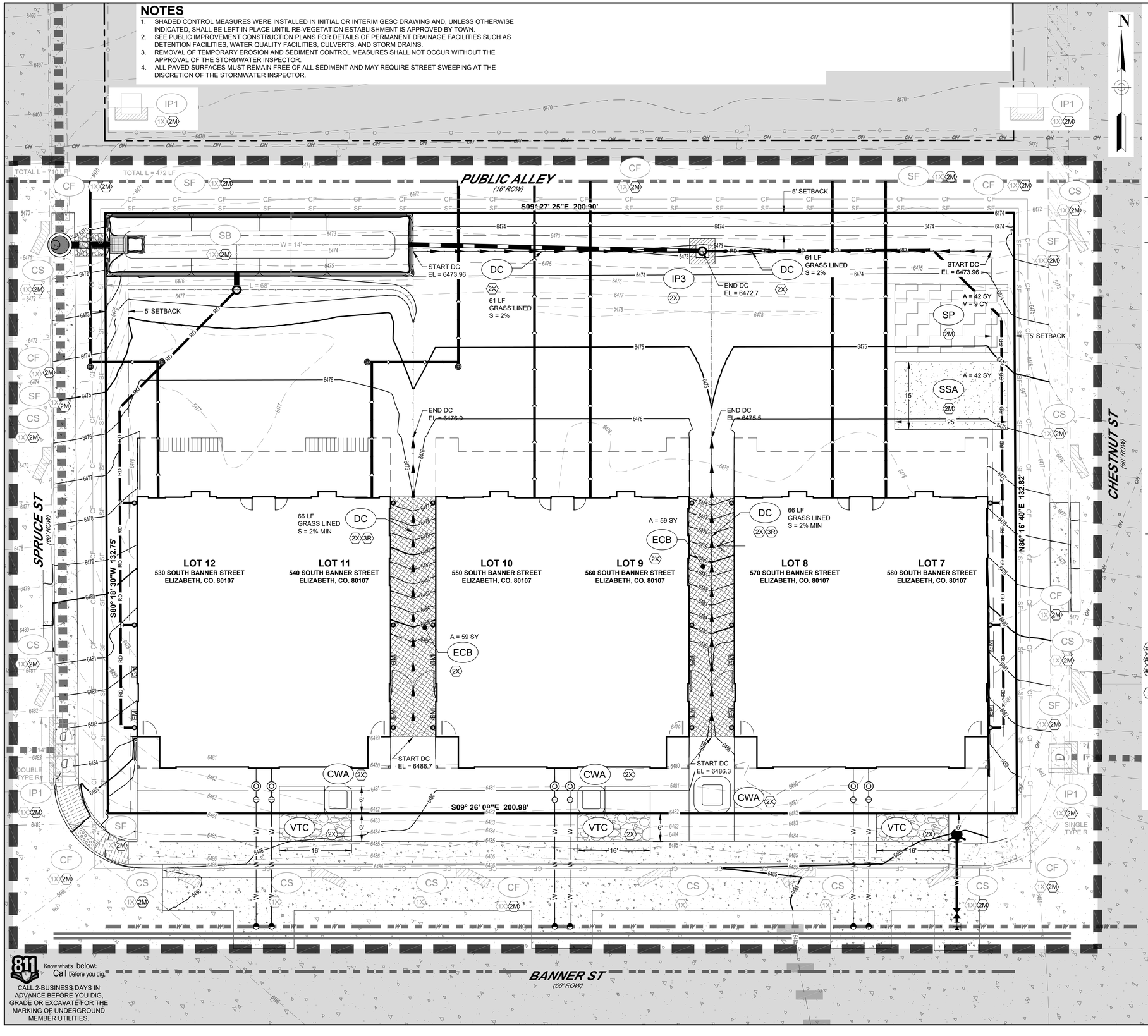
10 0 10
HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C2.10

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C2.10 - GESC PLAN (INITIAL).dwg
Plotted by: David Terron Date: 6/26/2024 3:36 PM

NOTES

1. SHADED CONTROL MEASURES WERE INSTALLED IN INITIAL OR INTERIM GESC DRAWING AND, UNLESS OTHERWISE INDICATED, SHALL BE LEFT IN PLACE UNTIL RE-VEGETATION ESTABLISHMENT IS APPROVED BY TOWN.
2. SEE PUBLIC IMPROVEMENT CONSTRUCTION PLANS FOR DETAILS OF PERMANENT DRAINAGE FACILITIES SUCH AS DETENTION FACILITIES, WATER QUALITY FACILITIES, CULVERTS, AND STORM DRAINS.
3. REMOVAL OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL NOT OCCUR WITHOUT THE APPROVAL OF THE STORMWATER INSPECTOR.
4. ALL PAVED SURFACES MUST REMAIN FREE OF ALL SEDIMENT AND MAY REQUIRE STREET SWEEPING AT THE DISCRETION OF THE STORMWATER INSPECTOR.



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BMP LEGEND

5280	PROPOSED CONTOUR	
5280	EXISTING CONTOUR	
←	DRAINAGE FLOW	
	AREA OUTSIDE CONSTRUCTION LIMITS	
	AGGREGATE STOCKPILE	
	TOPSOIL STOCKPILE	
	CHECK DAM	CD
	CONCRETE WASHOUT AREA	CW
CF	CONSTRUCTION FENCE	CF
	CULVERT INLET PROTECTION	CIP
	CURB SOCK	CS
	DIVERSION CHANNEL	DC
	EROSION CONTROL BLANKET	ECB
	BLOCK AND ROCK-SOCK INLET PROTECTION	IP1
	ROCK SOCK SUMP INLET PROTECTION	IP3
	LIMITS OF CONSTRUCTION	LOC
	ROUGH CUT STREET CONTROL	RCS
	ROCK SOCK	RS
	SEDIMENT BASIN	SB
	SEDIMENT CONTROL LOG	SCL
	SEEDING AND MULCHING	SM
SF	SILT FENCE	SF
	STOCKPILE PROTECTION PLAN	SP
	STABILIZED STAGING AREA	SSA
	VEHICLE TRACKING CONTROL	VTC

STAGING NOTES:

#X INSTALL BMP
#M MAINTAIN BMP
#R REMOVE BMP

2 INTERIM STAGE - VERTICAL CONSTRUCTION

CONSTRUCTION ACTIVITY
- FOUNDATION SUB-EXCAVATION AND SHORING
- UTILITY AND INFRASTRUCTURE INSTALLATION
- BUILDING CONSTRUCTION

BMP CONTROL MEASURES
- (REFER TO USDCM VOLUME 3, SEE DETAILS SHEET C5.40)

EROSION CONTROL
- ESTABLISH: LIMITS OF CONSTRUCTION (LOC)
- INSTALL: EC-6 EROSION CONTROL BLANKET (ECB)
- INSTALL: EC-10 DIVERSION CHANNEL (DC)
- PERFORM: EC-14 WIND EROSION / DUST CONTROL (WEDC)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

MATERIALS MANAGEMENT
- INSTALL: MM-1 CONCRETE WASHOUT AREA (CWA)
- PERFORM: MM-2 STOCKPILE MANAGEMENT (SP)
- PERFORM: MM-3 GOOD HOUSEKEEPING PRACTICES (GH)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

SEDIMENT CONTROL
- INSTALL: SC-6 INLET PROTECTION (IP)
- MAINTAIN: SC-7 SEDIMENT BASIN (SB)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

SITE MANAGEMENT
- INSTALL: SM-4 VEHICLE TRACKING CONTROL (VTC)
- INSTALL: SM-6 STABILIZED STAGING AREA (SSA)
- PERFORM: SM-7 STREET SWEEPING (SS)
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE

ROTH LANG ENGINEERING GROUP LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES
CONSTRUCTION PLANS
GESC PLAN (INTERIM)

PREPARED FOR:
LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

ISSUE DATE: 02/24/24	DATE	REVISIONS	BY

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

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HORIZONTAL SCALE: 1" = 10'

SHEET NUMBER:
C2.20

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C2.20 - GESC PLAN (INTERIM).dwg
Plotted by: David Terron Date: 6/26/2024 3:36 PM

NOTES

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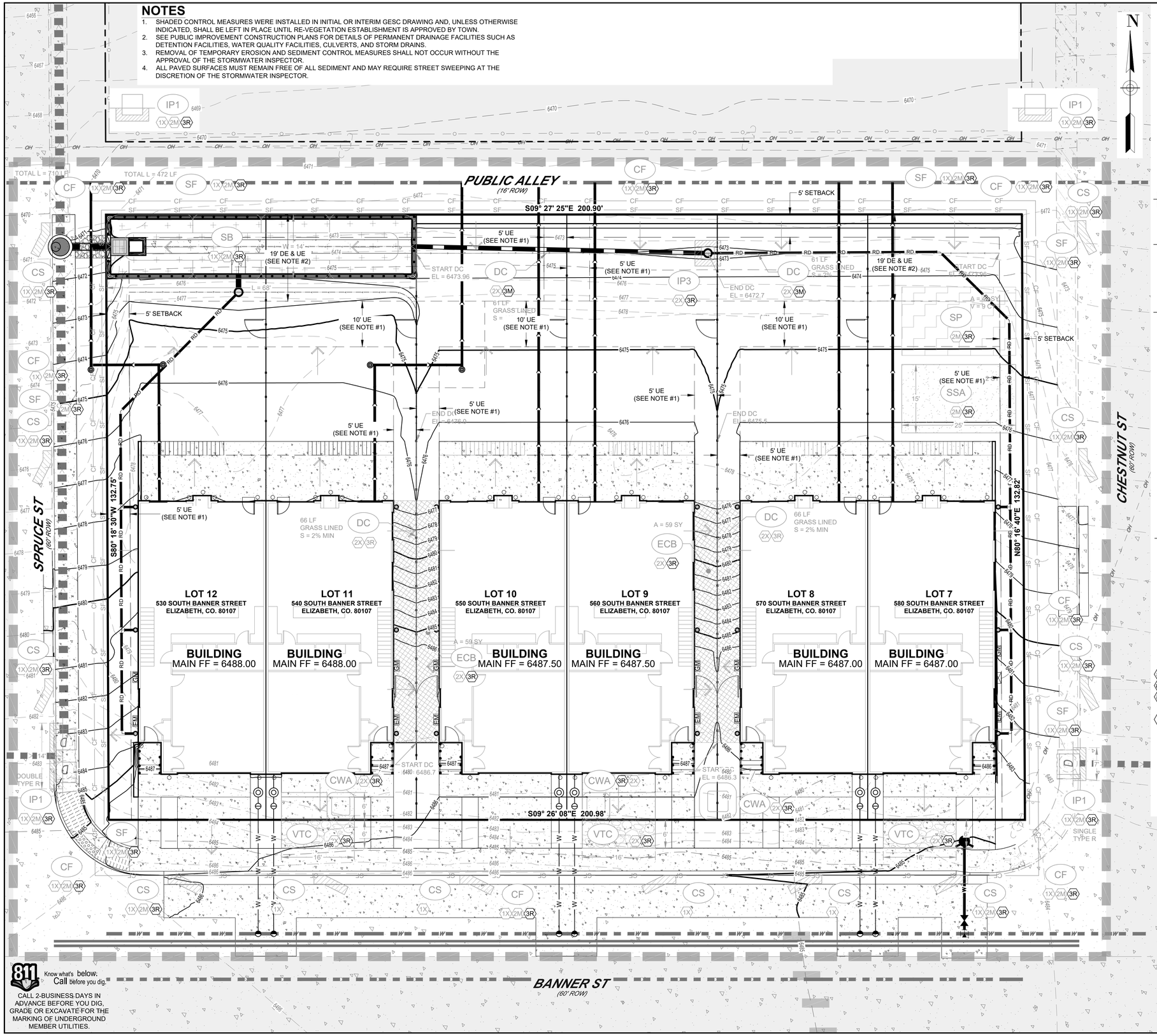

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BMP LEGEND

- PROPOSED CONTOUR
- EXISTING CONTOUR
- DRAINAGE FLOW
- AREA OUTSIDE CONSTRUCTION LIMITS
- AGGREGATE STOCKPILE
- TOPSOIL STOCKPILE

CD	CHECK DAM	
CW	CONCRETE WASHOUT AREA	
CF	CONSTRUCTION FENCE	
CIP	CULVERT INLET PROTECTION	
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SF	SILT FENCE	
SP	STOCKPILE PROTECTION PLAN	
SSA	STABILIZED STAGING AREA	
VTC	VEHICLE TRACKING CONTROL	

STAGING NOTES:

- #X INSTALL BMP
- #M MAINTAIN BMP
- #R REMOVE BMP

3 FINAL STAGE - SITE STABILIZATION / COMPLETION OF PROJECT

CONSTRUCTION ACTIVITY
- FINAL GRADING
- FINAL SITE STABILIZATION

CONSTRUCTION BMPS. REFER TO USDCM VOLUME 3. SEE DETAILS SHEETS C5.40 - C5.47.

MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE, REMOVE ONLY WITH INSPECTORS PERMISSION.
- MAINTAIN: PREVIOUSLY INSTALLED BMPS FROM INITIAL STAGE
- REFER TO APPROVED LANDSCAPE PLANS FOR FINAL STABILIZATION.

NOTES:

1. NON-EXCLUSIVE DRY UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.
2. NON-EXCLUSIVE DRAINAGE AND WET UTILITY EASEMENT TO BE DEDICATED BY SEPARATE DOCUMENT.

ROTH LANG ENGINEERING GROUP, LLC
6855 SOUTH HAVANA STREET, SUITE 600
CENTENNIAL, CO 80112
PHONE: 303-841-9365

BANNER PAIRED HOMES

CONSTRUCTION PLANS

GESC PLAN (FINAL)

LG DESIGNS AND CONSTRUCTION, LLC
188 SANDY HOLLOW TRAIL
FRANKTOWN, CO 80116

PREPARED FOR:

ISSUE DATE: 02/24/24	DATE	BY
	REVISIONS	

DESIGNED BY:	DRT
DRAWN BY:	DRT
JOB NUMBER:	240104

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C2.30

File Name: S:_Projects\240104 - Banner Paired Homes\CADD\Sheet Sets\CD's\C2.30 - GESC PLAN (FINAL).dwg Plotted by: David Terron Date: 6/26/2024 3:37 PM

Recording Requested by:
Banner Paired Homes LLC
c/o Todd Collins & Associates, LLC

Document Prepared by:
Todd Collins & Associates, LLC
724 E Kiowa Ave Ste 5 / PO Box 456
Elizabeth, CO 80107

DRAINAGE AND UTILITY EASEMENT DEDICATION

For and in good and valuable consideration, receipt of which is hereby acknowledged, Banner Paired Homes, LLC ("**Grantor**") does hereby grant and convey a permanent drainage and utility easement rights more particularly described on ***EXHIBIT A***, attached hereto and incorporated by reference herein (the "Drainage and Utility Easement"), over, across and/or under that certain real property legally described as follows:

> LOTS 7 THROUGH 12, BLOCK 18, PHILIPS ADDITION TO THE TOWN OF ELIZABETH, LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WEST, OF THE 6TH P.M., TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO

And known by street addresses 580, 570, 560, 550, 540, and 530 S Banner Street, Elizabeth, Colorado 80107, or collectively as Banner Street Paired Homes (the "Property"),

To the Owner, as defined in ***EXHIBIT B*** Drainage and Sewer Addendum, attached hereto and incorporated by reference herein ("**Grantee(s)**").

This Drainage and Utility Easement Dedication and incorporated Exhibits shall be binding upon all Grantee(s) as a covenant running with and binding upon the Property. At all times after the effective date of this document, Grantee(s) shall keep the Drainage and Utility Easement cleaned and maintained in a proper and workmanlike manner in accordance with the duties and obligations further defined in Exhibit B, and in compliance with all applicable ordinances, codes, rules and regulations.

If for any reason any Grantee(s) do not fulfill their duties and obligations herein, any other Grantee(s) shall have the right of ingress and egress for the purposes defined in Exhibit B, and to be compensated by the noncompliant Grantee(s) for reasonable costs incurred, together with interest at the prevailing legal rate and reasonable attorneys' fees. Grantee(s) may enforce this document in any manner allowed by law.

By this document, Grantor shall not be liable to any Grantee(s) for any costs and expenses of the Drainage and Utility Easement, unless Grantor regains ownership interest in all or a portion of the Property.

The easement conveyed by this document, and the other rights and obligations created, granted, and conveyed hereby, shall run with the land as a burden upon the Property.

Grantor warrants that (i) it is the fee simple owner of the Property, (ii) it has full right, power and authority to grant the easement set forth herein and to execute this document, and (iii) the execution hereof by Grantor does not conflict with or constitute a default under any agreement to which Grantor is a party or by which Grantor is bound.

This Drainage and Utility Easement is subject to all easements and rights-of-way of record in the Office of the Clerk and Recorder of Elbert County, Colorado.

This Drainage and Utility Easement is in perpetuity and shall not be released or amended without the express written consent of all Grantee(s) and the Town of Elizabeth as evidenced by a document signed with the same formalities as this document.

This document shall be recorded in the records of the Office of the Clerk and Recorder of Elbert County, Colorado.

Signed this ____ day of _____, 2024.

GRANTOR:

_____
On behalf of Banner Paired Homes LLC

Print Name: _____

Title: _____

STATE OF _____)
) ss.
COUNTY OF _____)

On this _____ day of _____, 2024, before me personally appeared _____, whose identity was proven to me on the basis of satisfactory evidence to be the person who he or she claims to be, and acknowledged that he or she signed the above document.

_____
Notary Public

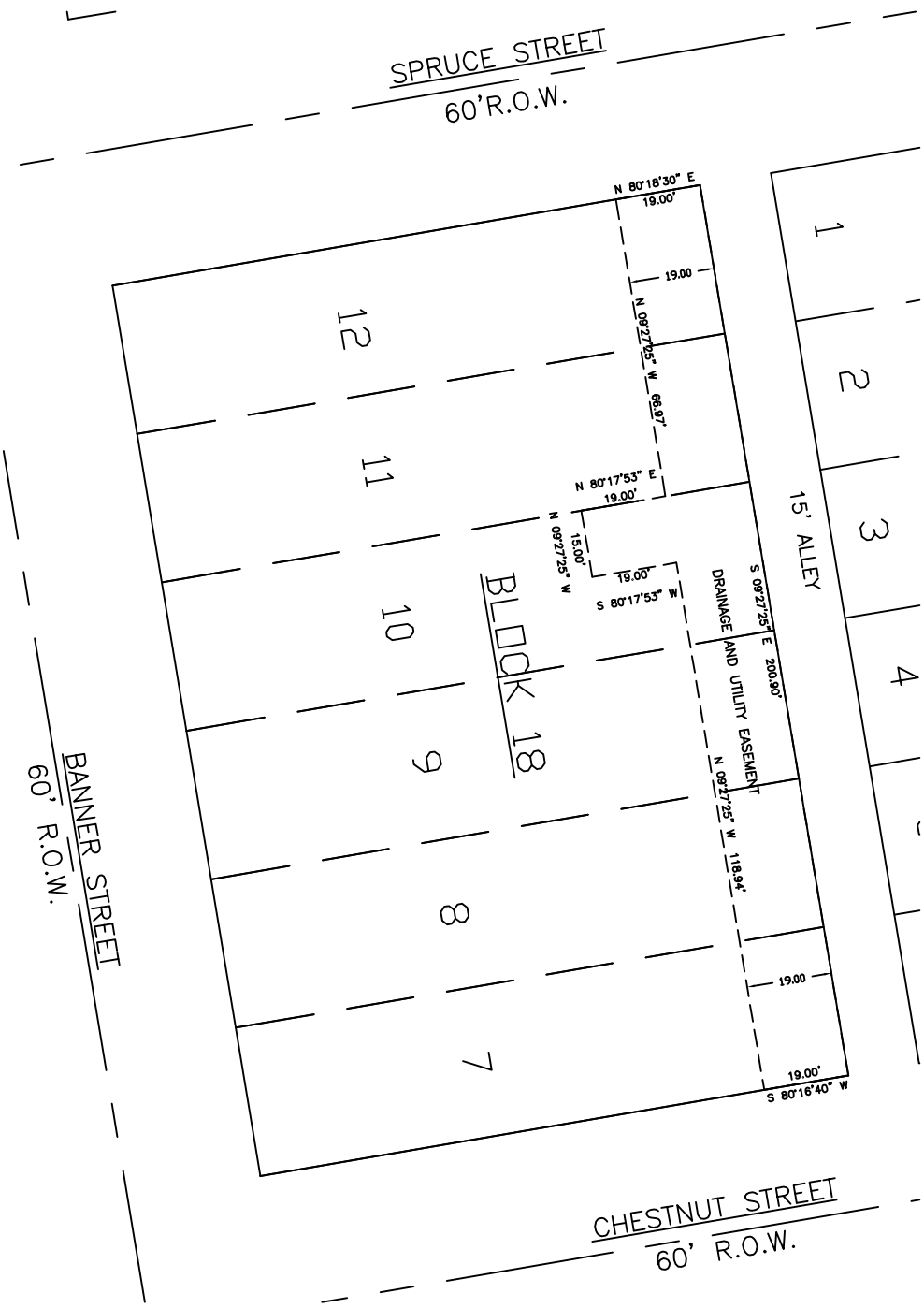
Witness my hand and official seal.

My commission expires: _____

KMD inc.
4901 E DRY CREEK RD
Suite #208
Centennial, CO. 80122
PH: 303-773-8770
dkalmes@kmd-inc.com

EXHIBIT A

DRAINAGE AND UTILITY EASEMENT



COLORADO REGISTERED
DANIEL J. KALMES
16409
PROFESSIONAL LAND SURVEYOR

KMD inc.
4901 E DRY CREEK RD
Suite #208
Centennial, CO. 80122
PH: 303-773-8770
dkalmes@kmd-inc.com

DRAINAGE AND UTILITY EASEMENT

A DRAINAGE AND UTILITY EASEMENT ACROSS PORTIONS OF LOTS 7 THRU 12, BLOCK 18, PHILIPS ADDITION TO THE TOWN OF ELIZABETH, LOCATED IN THE NORTHEAST 1/4 OF SECTION 18, TOWNSHIP 8 SOUTH, RANGE 64 WES, OF THE 6th P.M., TOWN OF ELIZABETH, COUNTY OF ELBERT, STATE OF COLORADO. BEING DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHEAST CORNER OF LOT 12, OF SAID BLOCK 18, SAID POINT BEING THE TRUE POINT OF BEGINNING; THENCE S 09°27'25" W, ALONG THE EASTERLY LINE OF SAID LOTS 7 THRU 12, A DISTANCE OF 200.09', TO A POINT ON THE SOUTHERLY LINE OF SAID BLOCK 18; THENCE S 80°16'40" W, ALONG SAID SOUTHERLY LINE, A DISTANCE OF 19.00'; THENCE N 09°27'25" W, ALONG A LINE 19' WESTERLY OF THE EASTERLY LINE OF SAID LOTS 7 THRU 12, A DISTANCE OF 118.94'; THENCE S 80°17'53" W, A DISTANCE OF 19.00'; THENCE N 09°27'25" W, A DISTANCE OF 15.00', TO A POINT ON THE COMMON LOT LINE OF LOTS 10 AND 11, OF SAID BLOCK 18; THENCE N 80°17'53" E, ALONG SAID COMMON LOT LINE, A DISTANCE OF 19.00'; THENCE N 09°27'25" W, ALONG SAID LINE 19' WESTERLY OF THE EAST LINE OF SAID LOTS 7 THRU 12, A DISTANCE OF 66.97', TO A POINT ON THE NORTHERLY LINE OF SAID BLOCK 18; THENCE N 80°18'30" E, ALONG SAID NORTHERLY LINE, A DISTANCE OF 19.00;, TO THE TRUE POINT OF BEGINNING.

ADDENDUM REGARDING DRAINAGE AND SEWER MAINTENANCE FOR BANNER PAIRED HOMES LLC, ELIZABETH, COLORADO

EXHIBIT B

This Addendum Regarding Drainage and Sewer Maintenance for Banner Paired Homes LLC, Elizabeth, CO (hereinafter "**Drainage and Sewer Addendum**") is made a part of the Contract to Buy and Sell Real Estate (Residential) (hereinafter "**Contract**").

This Addendum shall control in the event of any conflict with the Contract. Except as modified, all other terms and provisions of the Contract shall remain the same. Terms used herein shall have the same meaning as in the Contract unless otherwise defined herein.

This Addendum cannot be modified or amended unless the easement referenced herein is released or amended.

1. **Property**

a. "**Property**" shall mean and refer to the residential property development known as Banner Street Paired Homes and located at Banner Street between Spruce Street and Chestnut Street in the Town of Elizabeth, State of Colorado, that Banner Paired Homes LLC (hereinafter "**Developer**") purchased, developed, and divided into lots for sale.

b. "Property" shall include the following lots that Developer has sold or offered for sale: Lot 7: 580 S Banner St; Lot 8: 570 S Banner St; Lot 9: 560 S Banner St; Lot 10: 550 S Banner St; Lot 11: 540 S Banner St; and Lot 12: 530 S Banner St (hereinafter collectively "**Lots**" or individually "**Lot**").

c. "Property" shall also include the water retention pond (hereinafter "**Retention Pond**") created as part of the development, as required by state and local laws and ordinances, located at the back of the development adjacent to the public alley, and servicing all Lots.

2. Owner

a. "**Owner,**" whether singular or plural, shall mean and refer to any and all persons and entities owning all or a portion of the Property, i.e., any Lot or Lots, now or in the future.

b. "Owner" shall include the heirs, successors, assigns and personal representatives of said Owner.

c. "Owner" shall not mean or refer to any mortgage holder unless and until such mortgage holder has acquired title by foreclosure or any proceeding in lieu of foreclosure, notwithstanding any applicable theory of mortgage law.

3. Drainage and Utility Easement Dedication

a. Owner expressly acknowledges that the Property, and each Lot therein, is subject to the Drainage and Utility Easement Dedication properly recorded in the Office of the Clerk and Recorder of Elbert County, Colorado at Reception No. _____.

b. The easement conveyed by the Drainage and Utility Easement Dedication, and the other rights and obligations created, granted, and conveyed therein, shall run with the land as a burden upon the Property.

4. Purpose and Recordation

a. The purpose of this Addendum is to provide for the costs and expenses related to the maintenance and upkeep of the Retention Pond, which is designated for the use and benefit

of the Property, all Lots, and all Owners.

b. The purpose of this Addendum is also to provide for the costs and expenses related to the Drainage and Utility Easement.

c. The purpose of this Addendum is also to provide for the right to access and maintain the sanitary service line for the benefit of Lot 11 that runs through Lot 10 (hereinafter "**Lot 11 Sewer Line**").

d. This Addendum shall be binding upon all Owners (whether now or in the future), their successors and assigns.

e. This Addendum shall be recorded with the Office of the Clerk and Recorder for Elbert County, Colorado.

5. Expenses to be Shared and Assessment

a. Each Owner expressly agrees to share the costs and expenses of maintaining the Retention Pond and Drainage and Utility Easement in good condition and repair for his/her/its period of ownership.

b. For said costs and expenses, each Owner shall be assessed and agrees to be liable for a sum equal to his/her/its proportionate share (the "**Assessment**"). Each Owner's Assessment shall be calculated each year as follows: number of Lots owned by Owner divided by the total number of all Lots (e.g., #/6).

6. Maintaining the Retention Pond and Drainage and Utility Easement in Good Condition and Repair

a. "Maintaining the Retention Pond and Drainage and Utility Easement in Good Condition and Repair" shall hereafter be referred to a "Pond Maintenance."

b. Pond Maintenance shall mean and refer to actions and responsibilities necessary and required to provide drainage and/or lessen or prevent erosion of the Property. Regular and frequent Pond Maintenance may be necessary due to weather and/or required by state and/or local laws and ordinances. Pond Maintenance includes but is not limited to removal of debris, preservation and prolongation of maintaining vegetation and/or equipment, stabilization of slopes, and dredging, as well as chemical treatments and/or biological filtration.

c. Pond Maintenance also includes but is not limited to repair of infrastructure, i.e., outlets, walls, trickle pans, railings, forebays, as well as inlets, pipes, and swale within Lots 7-12.

d. Any Owner of any Lot shall not erect, construct, or modify such infrastructure such that it changes or obstructs the conveyance of storm water.

7. Lot 11 Sewer Line

a. Any Owner of Lot 11 shall have the right to access Lot 10 for the purposes of maintenance and repair of the Lot 11 Sewer Line.

b. Any repair and maintenance of the Lot 11 Sewer Line shall be at the sole expense of the Owner of Lot 11.

c. Any Owner of Lot 11 expressly agrees to repair the surface of Lot 10 to the same condition it was in before such repairs and maintenance.

8. Developer Responsibilities and Final Release

a. Until such time as Developer has sold Lot 11, Developer will be responsible for any necessary repairs and/or maintenance to the Lot 11 Sewer Line and subject to the provisions

on Paragraph 7 above.

b. Until such time as Developer has sold all Lots, Developer will be responsible for locating and contracting for Pond Maintenance services. Subject to any state and/or local government bidding policies and/or regulations, Developer will engage the services based on a competitive bid process unless a non-competitive price below market is available. Developer's responsibility hereunder is to arrange for the Pond Maintenance services to be performed, and such services shall be paid for pursuant to Paragraph 5 above, with Developer bearing a portion of the costs and expenses proportionate to the number of Lots not yet sold.

c. Once Developer has sold all Lots, Developer will no longer retain any responsibilities, obligations, or liability related to the Pond Maintenance. At that point, all Owners shall be responsible for locating, contracting for, and arranging Pond Maintenance services and be liable for the costs and expenses pursuant to Paragraph 5 above.

d. Once Developer has sold all Lots, each Owner expressly agrees herein that he/she/it forever releases and agrees to hold harmless Developer of any responsibilities, obligations, or liability related to the Pond Maintenance and/or the Lot 11 Sewer Line.

9. Enforcement, Fees, Costs, and Expenses

a. In addition to the Assessment, each Owner expressly agrees to be liable for his/her/its proportionate share of the cost of enforcing any provision of this Addendum as well as other costs and expenses necessary and proper for the effective and efficient maintenance and upkeep of the Property, including but not limited to Pond Maintenance. Such costs and expenses shall include, but not be limited to, legal fees and costs associated with collecting the expenses.

b. Each Owner, by virtue of holding a property interest in any Lot or Lots, shall be liable for reasonable maintenance costs, together with interest at the prevailing legal rate and reasonable attorneys' fees, incurred by Grantee under the Drainage and Utility Easement Dedication pursuant to said document.

c. Developer shall be entitled to a lien against the Lot or Lots owned by any Owner whose Assessment, and/or proportionate share of the costs and expenses described in the previous subparagraph a, is delinquent. Developer's lien shall be subordinate to the lien of any mortgage or mortgages now or hereafter placed upon the Lots. Such subordination, however, shall apply only to the Assessments which have become due and payable prior to a sale or transfer of a Lot pursuant to any allowable method of foreclosure, or any other proceeding in lieu of foreclosure. Upon request by an Owner and/or mortgagor of a Lot, Developer shall issue such certificates as are necessary to indicate the status of Owner's Assessments. Such sale or transfer shall not discharge the Developer's lien of any Assessment thereafter becoming due. Developer's lien also shall be subordinate to all utility easements which may be placed upon any Lot.

d. Developer may bring a civil action against any Owner and/or any guarantor personally obligated to pay that Owner's Assessment in order to enforce payment of the delinquent Assessment and/or to foreclose Developer's lien against the Lot or Lots. In such event, Developer shall be entitled to add all fees, costs, and expenses related to any administrative or civil action regarding collection of the Assessment to the amount of the Assessment. In the event Developer obtains an administrative or civil judgment in its favor, such judgment shall include an award of Developer's attorneys' fees, expenses, and costs as well as statutory accruing interest.

e. Any Owner may bring a legal claim and/or complaint with any government

organization, including a court of proper jurisdiction, against any other Owner or Owners to enforce this Addendum.

ATTACHMENT B

TOWN OF ELIZABETH

PO Box 159, 151 S. Banner Street ▪ Elizabeth CO 80107 ▪ 303-646-4166 x4

REFERRAL AGENCY REVIEW FORM

Project Title:	**Banner Street Paired Homes Site Plan**
Description:	A proposed development of three, single-family attached homes for a total of six units
Review Sent Date:	**9**/24/2024 **Review Due by:** **10**/2/2024

REFERRAL AGENCY	**Engineering – Terracina Design**	
Contact Name	**Martin Metsker PE**	
Contact Email and Phone Number	mmetsker@terracinadesign.com **720-854-9456**	

COMMENTS:

1. Engineering has no further comments on the Site Plan, Re-zone, Construction CD's and Drainage Report, and therefore recommends approval.

2. Prior to issuance of any site permitting (excluding early grading permit, if requested), Engineering will require the following:
   - Review and approval of the proposed "Private Maintenance Agreement" (or similarly named agreement) which will identify maintenance responsibility for all proposed drainage facilities located upon Lots 7 through 12.
   - Recordation of all easements, including the "Private Maintenance Agreement".

Please feel free to contact me at any time with questions.

TOWN OF ELIZABETH

PO Box 159, 151 S. Banner Street ▪ Elizabeth CO 80107 ▪ 303-646-4166 x4

REFERRAL AGENCY REVIEW FORM

Project Title:	**Banner Street Paired Homes Site Plan**
Description:	A proposed development of three, single-family attached homes for a total of six units
Review Sent Date:	9/24/2024 **Review Due by:** 10/4/2024

REFERRAL AGENCY	**Community Development Department**
Contact Name	**Alexandra Cramer, Planning/Project Manager**
Contact Email and Phone Number	**acramer@townofelizabeth.org**

COMMENTS:

With the third submittal, all comments have been addressed.

REFERRAL RESPONSE SUMMARY REPORT

Date: July 31st, 2024

To: LG Designs and Construction, LLC

From: Alexandra Cramer, Planner/Project Manager

Subject: Banner Street Paired Homes Site Plan – 2nd Submittal

Please see the following summary of review comments from Town staff/consultants and external reviewing agencies for your Site Plan submittal. For your convenience, this Referral Response Summary Report is formatting to serve as the cover letter for the resubmittal. Please complete this form by selecting whether or not each comment/change was made and note where to find the change made in the resubmittal documents. If you have questions about any comment, please do not hesitate to reach out to the reviewer who made the comment. You may also contact me at 303.646.4166 ext. 503 or via email at acramer@townofelizabeth.org if you have any questions.

TOWN REVIEW COMMENTS

Town Planning/Zoning

Alexandra Cramer, Planner/Project Manager acramer@townofelizabeth.org

1. Please add a note on the site plan that indicates the maintenance of the on-site drainage facility will be the responsibility of all lot owners. Will there be an HOA created?

   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

2. Please send over a cost estimate table of the public improvements for the Town to review.

   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

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Town Engineering

Martin Mesker, PE, Terracina Design mmetsker@terracinadesign.com

1. See attached red-lines for the Drainage Report, Construction Drawings, and Page 1 of the Utility and Drainage Easement.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

Public Works Department – Water and Sewer Review

Mike DeVol, Elizabeth Public Works Director mdevol@townofelizabeth.org

- None

EXTERNAL REFERRAL AGENCY COMMENTS:

CORE Electric Cooperative:
- Approved

Black Hills Energy:
- No comment.

Stolfus & Associates:
- Applicant did not revise plan based on suggested comments. No other comments at this time.

Elizabeth Fire Protection District:
- Access: The access has been approved.
- Water Supply: the Town of Elizabeth hydrant system can handle the fire flow for the buildings.
- Fire Sprinklers: A 2 hour fire wall will need to be installed between paired units. If a fire wall is not constructed automatic sprinklers will need to be installed.
- Impact fees will be due before issuance of building permit.

SAFEbuilt
- Project will be reviewed per the adopted 2018 IRC and 2023 NEC.
- Based on Timeline of project more comments may come forward when review take place.

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Elizabeth Police Department
- No issues.

Elbert County Community Development
- No issues.

Elizabeth School District
- No comments received at this time.

NEXT STEPS:
Please address all the above-referenced comments and email the required resubmittal documents to Alexandra Cramer at acramer@townofelizabeth.org. Please remember to complete this form by selecting whether or not each comment/change was made and note where to find the change made in the resubmittal documents. Then, date the form, save your changes, and return a PDF with your resubmittal. The Town acknowledges that project parameters could change based on these review comments. As such, the Town reserves the right to provide additional comments or requirements at the time when revised plans are submitted and reviewed.

ATTACHMENTS:
- Engineering Redlined Comments from Terracina Design
  - Final Drainage Report Red Lined Comments
  - Construction Drawings Red Lined Comments
  - Page 1 of the Utility and Drainage Easement Red Lined Comments

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REFERRAL RESPONSE SUMMARY REPORT

Date: May 8th, 2024

To: LG Designs and Construction, LLC

From: Alexandra Cramer, Planner/Project Manager

Subject: Banner Street Paired Homes Site Plan

Please see the following summary of review comments from Town staff/consultants and external reviewing agencies for your Site Plan submittal. For your convenience, this Referral Response Summary Report is formatting to serve as the cover letter for the resubmittal. Please complete this form by selecting whether or not each comment/change was made and note where to find the change made in the resubmittal documents. If you have questions about any comment, please do not hesitate to reach out to the reviewer who made the comment. You may also contact me at 303.646.4166 ext. 503 or via email at acramer@townofelizabeth.org if you have any questions.

TOWN REVIEW COMMENTS

Town Planning/Zoning

Alexandra Cramer, Planner/Project Manager acramer@townofelizabeth.org

1. On Page 1, correct the percentages under "% OF LOT" to reflect the building coverage of each individual lot.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

2. On Page 1, correct the roof coverage square footages.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made

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Applicant Comment:

3. On Pages 2 & 3, there is a call out of steps to the front door of each building. However, the colored elevations do not show steps. Please revise the colored elevations to reflect the steps.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

4. Please revise the colored elevations to reflect all public improvements proposed.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

5. There are several call outs to replatting and vacations of easements. This was not previously discussed before submitting. Please confirm what is being proposed.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made

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Applicant Comment:

6. Please confirm how landscaping in the Public ROW will be maintained. The Town does not anticipate maintaining this landscaping.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

Town Engineering

Martin Mesker, PE, Terracina Design mmetsker@terracinadesign.com

1. See attached red-lines for the Site Plan, Drainage Report, Construction Plans, EC Plans, GESC Report. Engineering has no issues with the other submitted items and does not require re-submittal of same unless changes are made.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

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2. The following items identified on the red-lines are noted:
   - We feel it necessary that a Plat be prepared. Multiple callouts on the plans reference “Replat” and vacating easements and should be done via plat.
     Applicant Response: ☐ Changes Made ☐ Changes Not Made
     Applicant Comment:

   - The Detention Pond should be located within a Tract, which will be maintained by an established HOA, and not by the Owners of Lot 11 & 12.
     Applicant Response: ☐ Changes Made ☐ Changes Not Made
     Applicant Comment:

   - We have asked for cross sections along Banner Street, to confirm x-section slopes and grades.
     Applicant Response: ☐ Changes Made ☐ Changes Not Made
     Applicant Comment:

   - We believe that the proposed Sand Fiter Pond will require a lot of future maintenance, which we are not confident that the 6 lot owners will pursue. The Town has no experience/expertise in this maintenance,

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should the Lot owners not provide the service. We therefore ask if there is a better option of providing Stormwater detention, treatment/Control?
Applicant Response: ☐ Changes Made ☐ Changes Not Made
Applicant Comment:

- Some details of the walls along the common lot lines need to be provided.
  Applicant Response: ☐ Changes Made ☐ Changes Not Made
  Applicant Comment:

Public Works Department – Water and Sewer Review

Mike DeVol, Elizabeth Public Works Director mdevol@townofelizabeth.org

- None

EXTERNAL REFERRAL AGENCY COMMENTS:

Brooks Kaufman, CORE Electric Cooperative Lands and Rights of Way Manager: bkaufman@core.coop

1. The applicant will be required to meet CORE meter location requirements per CORE Builder Handbooks and shown on site plan comments. Meter may not be installed behind fence/gate and must be installed in the first 25% of the front of the home.

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Applicant Response: ☐ Changes Made ☐ Changes Not Made
Applicant Comment:

2. The applicant will be required to grant CORE and other utilities *a 10-foot easement per lot by separate document* prior to issuing building permit, in addition grant a 5-foot side lot easement for electric services as shown.
Applicant Response: ☐ Changes Made ☐ Changes Not Made
Applicant Comment:

3. The applicant will be required to relocate purpose private sanitation lines on lots 10,11, and 12 with a minimum separation of 5-feet from private sanitation.
Applicant Response: ☐ Changes Made ☐ Changes Not Made
Applicant Comment:

Kyle T. Sowder, Black Hills Energy kyle.sowder@blackhillscorp.com

1. BHE has no issues with the lay out of the paired homes. We may need to set up a meter bank on the end units.

Applicant Response: ☐ Changes Made ☐ Changes Not Made

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Applicant Comment:

Matt Brown, Stolfus & Associates Traffic Safety, Systems & Operations Director matt@stolfusandassociates.com

1. The building should be a minimum of 20-ft set back from the sidewalk to provide room for a vehicle to park on the driveway and not block the sidewalk. **This is a recommendation, and not a requirement.*
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

2. Driveways are too close to adjacent intersections. A minimum 50-ft spacing shall be provided. **This is a recommendation, and not a requirement.*
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

Kara Gerczynski, Elizabeth Fire Protection District kara@elizabethfire.org

1. Access: We will need to have an access road within 150' of all parts of the building. If the access road is over 150' long then an approved turnaround is required. From the draft plans a turn around will be required.

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Applicant Response: ☐ Changes Made ☐ Changes Not Made
Applicant Comment:

1. Water Supply: The applicant will have to relocate a hydrant on to the fire apparatus road.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

2. Fire Sprinklers: An NFPA 13R fire sprinkler system shall be installed throughout the building.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

3. Fire Alarm: A fire alarm notification system shall be installed throughout the building.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made

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Applicant Comment:

4. Impact Fees: If the school district owns the property then we will not assess impact fees. If not the applicant can come to an Elizabeth Fire board meeting to get a variance for impact fees.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

5. Building plans, fire sprinkler, and fire alarm plans shall be submitted to this office for review.
   Applicant Response: ☐ Changes Made ☐ Changes Not Made
   Applicant Comment:

Nick Chand, SAFEbuilt Building Official Nchand@safebuilt.com

- Project will be reviewed per the adopted 2018 IRC and 2023 NEC.
- Based on Timeline of project more comments may come forward when review take place.

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Elizabeth Police Department
- No issues.

Elbert County Community Development
- No issues.

Elizabeth School District
- No comments received at this time.

NEXT STEPS:
Please address all the above-referenced comments and email the required resubmittal documents to Alexandra Cramer at acramer@townofelizabeth.org. Please remember to complete this form by selecting whether or not each comment/change was made and note where to find the change made in the resubmittal documents. Then, date the form, save your changes, and return a PDF with your resubmittal. The Town acknowledges that project parameters could change based on these review comments. As such, the Town reserves the right to provide additional comments or requirements at the time when revised plans are submitted and reviewed.

ATTACHMENTS:
- Engineering Redlined Comments from Terracina Design
  - Site Plan Red Lined Comments
  - Final Drainage Report Red Lined Comments
  - Construction Plans Red Lined Comments
  - GESC Report Red Lined Comments
- CORE Electric Cooperative
  - Site Plan Red Lined Comments
  - Building/Developer Service Requirements
- Elizabeth Fire Protection District
  - Site Plan Review Form
  - Impact Fee Form
  - Invoice

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ATTACHMENT C

NOTICE OF PUBLIC HEARING

Notice is hereby given that the Planning Commission and Board of Trustees shall hold public hearings concerning a rezoning request from the Public Institutional (PI) District to the Downtown (DT) District for the property described in Exhibit A and a site development plan application for the property described in Exhibit A located at 530, 540, 550, 560, 570, & 580 S Banner Street, pursuant to the Town of Elizabeth Land Development Ordinance.

A public hearing is to be held before the Planning Commission on December 3, 2024, at 6:30 p.m. and a public hearing before the Board of Trustees on December 10, 2024, 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 these hearings are adjourned. Further information is available through the Town Community Development Department at (303) 646-4166.

ALL INTERESTED PERSONS MAY ATTEND.

EXHIBIT A (legal description)

Lots 7-12, Block 18, Phillips Addition to the Town of Elizabeth Subdivision, 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

November 15, 2024

Dear Neighbor:

We have submitted rezoning and site plan applications for the project known as Banner Street Paired Homes, located at 530, 540, 550, 560, 570, and 580 South Banner Street in Elizabeth. The rezoning application involves the rezoning of six existing lots from Public Institutional (P-I) to Downtown (DT). The site plan application involves the development of three, single family attached homes for a total of six units. We are pleased to be partnering with the Elizabeth School District on this development application.

The subject property is located at the southeast corner of Banner Street and Spruce Street. Each existing lot is roughly 4,447 square feet for a total project area of 26,682 square feet.

The subject property is zoned P-I and is proposed to be rezoned to DT. The subject property is surrounded by P-1 zoning/school to the west, DT zoning/residential to the east, and Residential 1 zoning/residential to the north and south.

The site plan proposal involves developing three sets of paired homes on the property. The land is currently being used as a public parking lot as part of the Frontier Center. The property is owned by Elizabeth School District and being developed by LG Designs & Construction LLC. The property would be purchased by LG Designs & Construction LLC only upon approval of both the zoning and site plan applications.

Public improvements include sidewalk improvements adjacent to the property up to Town of Elizabeth standards. Site improvements also include drainage and detention. Each unit will also have its own 16-foot curb cut and two, off-street, garage parking spaces.

The proposed zoning of DT is compatible with the Town of Elizabeth Comprehensive Plan. The land use designation for this specific piece of property is Institutional, as the property was previously owned and utilized by the Elizabeth School District; however, the property is directly adjacent on two sides to the Mixed Use- Old Town Area land use designation of which DT zoning is compatible with. Additionally, the development of this property is specifically referenced in the Comprehensive Plan in regard to the Frontier Center facility becoming outdated and reused as a different land use in the future. As discussed during the community meeting, the money gained from the sale of this project site is intended to be reinvested back into Elizabeth School District facilities, providing public benefit. This supports the following goal in the Comprehensive Plan pertaining to school facilities: “Preserve the functional integrity of key community facilities and services within the community while enabling the facilities to operate and grow in a manner that best serves the needs of the Elizabeth community”.

Site and public improvements would commence soon after project approval with construction to follow. No phasing is anticipated, as the improvements will be constructed concurrently. Proposed development would be served by Town of Elizabeth water and sewer.

Based on feedback received during the November 2023 community meeting, we have gone above and beyond the Town’s standards by providing dark sky compliant lighting. We received inquiries on landscaping, and specific landscaping plans have been provided with our application. The desire for fencing was also noted during the meeting, and a 5-foot, cedar fence is proposed around the property.

The development of this property will support the Elizabeth School District as well as the Town’s overall tax base.

Sincerely,

Lane Gregory
LG Designs & Construction, LLC
(720) 425-2212

AFFIDAVIT

I, Grace Erickson, hereby certify that on October 18, 2024, I began researching the notices with the Elbert County Office of the County Assessor by submitting a Radius Report Application, see Exhibit 1, *Radius Report Application*, attached hereto. The attached list was received from the Elbert County Office of the County Assessor on October 29, 2024, see Exhibit 2, *Owner and Addresses*, and contains the names and addresses of all persons to whom all property is assessed as they appear on the latest available assessment roll of the County within the area described and for a distance of five-hundred feet (500') from the exterior boundaries of property legally described as:

Lots 7-12, Block 18, Phillips Addition to the Town of Elizabeth Subdivision, 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

Signature

STATE OF COLORADO)
) ss.
COUNTY OF Arapahoe)

Subscribed and sworn to before me this 1st day of November, 2024, by Grace Erickson.

My commission expires: Jun 10, 2026

(SEAL)

SHANNON GONZALEZ
NOTARY PUBLIC - STATE OF COLORADO
NOTARY ID 20164042803
MY COMMISSION EXPIRES JUN 10, 2026

Notary Public

ELBERT COUNTY
OFFICE OF THE
COUNTY ASSESSOR

Radius Report Application

This report generates a list of owners and there addresses within a certain distance (radius) of a given property boundary. The distance from the boundary is either 500' or a 1320' (1/4 mile).

Date	10/18/2024
Owner Name	Elizabeth School District
Is applicant the owner?	No
Applicant	Providence Consulting, LLC
Email Address	grace@providenceconsultingservices.com

Is the report for a single parcel, multiple parcels, or driven from a GIS shape/GDB file?

Report Type	Multi Parcel

Please provide all of the parcel account numbers or the recorded plat reception number.

Multiple parcel identification	530, 540, 550, 560, 570, and 580 South Banner Street, Elizabeth
Radius	500'

There is a $50 charge for this report. This covers the cost to develop the report. The results will be sent via the email address listed above. If you wish to use the online payment center, please click on the link below and select Custom Report:

Online payment Center

Paid	No

If payment is not received at the time of the application submittal, an invoice will be sent. The report will not be sent until payment has been received.

Signature

Phone: (303) 621-3101
Address: 221 Comanche Street
P.O. Box 26
Kiowa, CO 80117

EXHIBIT 2

	A	B	C	D	E	F
1	Account Nu	Owner	Address 2	City	State	ZipCode
2	R108585	COWLEY ROBERT R	40900 WIND SPIRIT LN	PARKER	CO	801384758
3	R108643	TOWNSEND THERESE	723 S BANNER STREET	ELIZABETH	CO	80107
4	R108643	MORGAN LIAM	723 S BANNER STREET	ELIZABETH	CO	80107
5	R115661	BULMER DON S	7814 LOST LAKE DRIVE	FRANKTOWN	CO	80116
6	R115661	BULMER LINDA M	7814 LOST LAKE DRIVE	FRANKTOWN	CO	80116
7	R108647	DUNN PATRICIA A	PO BOX 1949	ELIZABETH	CO	80107
8	R108608	SCHRODER MICHAEL LEE	18473 W MARCONI AVE	SURPRISE	AZ	85388
9	R108619	FORSYTH BONNIE	577 S MAIN ST	ELIZABETH	CO	80107
10	R108631	TORRENCE ROBERT R	676 BANNER ST	ELIZABETH	CO	801077568
11	R108631	TORRENCE LINDSEY K	PO BOX 201	ELIZABETH	CO	80107
12	R115662	BULMER DON S	7814 LOST LAKE DRIVE	FRANKTOWN	CO	80116
13	R115662	BULMER LINDA M	7814 LOST LAKE DRIVE	FRANKTOWN	CO	80116
14	R125220	MKN LLC, C/O MIKE NAUGHTON	8521 E ILIFF DR	DENVER	CO	80246
15	R108629	BULMER DONALD	7814 LOST LAKE DR	FRANKTOWN	CO	80116
16	R125039	ELIZABETH SCHOOL DISTRICT	PO BOX 520	ELIZABETH	CO	801070520
17	R108603	KLINGBEIL ALISON	PO BOX 1537	ELIZABETH	CO	80107
18	R125040	ELIZABETH SCHOOL DISTRICT	PO BOX 520	ELIZABETH	CO	801070520
19	R114196	TOWN OF ELIZABETH	PO BOX 159	ELIZABETH	CO	80107
20	R108642	KNOWLES KATHERINE J	PO BOX 493	ELIZABETH	CO	80107-0493
21	R124989	TOWN OF ELIZABETH	151 BANNER ST	ELIZABETH	CO	80107
22	R108613	HUNTER PAUL W	PO BOX 1268	ELIZABETH	CO	80107
23	R108632	HALBROOK ALICE F	1752 PRIVATE RD 130	ELIZABETH	CO	80107
24	R108634	SCHWARZKOPF PAUL C	760 MAIN ST	ELIZABETH	CO	80107
25	R108597	GOULD JEFFREY	309 E POPLAR ST	ELIZABETH	CO	80107
26	R108637	TILLMAN JALEN DONOVAN	721 MAIN ST	ELIZABETH	CO	80107
27	R108637	HULTMAN KYLIE BREANNA	721 MAIN ST	ELIZABETH	CO	80107
28	R108607	TOWN OF ELIZABETH COLORADO	425 MAIN ST	ELIZABETH	CO	80107
29	R108592	ELIZABETH PRESBYTERIAN CHURCH	PO BOX 117	ELIZABETH	CO	80107-0117
30	R108618	SIMMONS JULIE ANNE	523 S MAIN ST	ELIZABETH	CO	80107
31	R108636	KLEIN AUBANY RENEE	39478 BUFFALO RUN CIR	KIOWA	CO	80117
32	R108636	KLEIN BLAKE	39478 BUFFALO RUN CIR	KIOWA	CO	80117
33	R108600	MALACRIDA ANTHONY	473 S PINE ST	ELIZABETH	CO	80107
34	R108600	MALACRIDA GRACE	473 S PINE ST	ELIZABETH	CO	80107

EXHIBIT 2

	A	B	C	D	E	F
35	R108600	MALACRIDA ROBERT	473 S PINE ST	ELIZABETH	CO	80107
36	R119490	TURNER MICHELE	PO BOX 1922	ELIZABETH	CO	80107
37	R119490	TURNER MARK R	PO BOX 1922	ELIZABETH	CO	80107
38	R108627	OESTREICH STEPHEN	201 E WALNUT ST	ELIZABETH	CO	80107
39	R108627	OCHSENSCHLAGER LAUREN	201 E WALNUT ST	ELIZABETH	CO	80107
40	R123674	MAIN STREET STATION ELIZABETH LLC	5369 GRAND FIR WAY	PARKER	CO	80134
41	R108610	FUGETT DEAN A	1258 N HUNT CLUB DR	HERNANDO	FL	34442
42	R108610	FUGETT C JANE	1258 N HUNT CLUB DR	HERNANDO	FL	34442
43	R119491	BILLIE RAE BROWN REVOCABLE LIVING TRUST	2628 NW 60TH ST	OKLAHOMA CITY	OK	731127115
44	R108612	KENNETH AND JULIE UHERNIK TRUST	PO BOX 1802	ELIZABETH	CO	80107
45	R108638	MALIK WESLEY	718 S BANNER ST	ELIZABETH	CO	80107
46	R108638	MALIK KATHRYN	718 S BANNER ST	ELIZABETH	CO	80107
47	R108589	SAAVEDRA LINDSAY LEIGH	375 SOUTH MAIN ST	ELIZABETH	CO	80107
48	R108609	FUGETT JANE	1258 N HUNT CLUB DR	HERNANDO	FL	34442
49	R123673	MAIN STREET STATION ELIZABETH LLC	5369 GRAND FIR WAY	PARKER	CO	80134
50	R108593	PASTINE CRAIG T	30 MEMMEN DR	CASTLE ROCK	CO	80104
51	R108593	PASTINE L JEANNETTE	30 MEMMEN DR	CASTLE ROCK	CO	80104
52	R115471	MKN LLC, C/O MIKE NAUGHTON	8521 E ILIFF DR	DENVER	CO	80246
53	R119120	CENTENNIAL MENTAL HEALTH CENTER	211 W MAIN	STERLING	CO	80751
54	R108630	CORDOVA STEVEN A SR	624 S BANNER ST	ELIZABETH	CO	80107
55	R108630	CORDOVA CHERYL L	624 S BANNER ST	ELIZABETH	CO	80107
56	R108605	MANZANARES EDWINA T	481 SOUTH BANNER ST	ELIZABETH	CO	80107
57	R108587	SAAVEDRA LINDSAY LEIGH	375 SOUTH MAIN ST	ELIZABETH	CO	80107
58	R108598	CAMPBELL HELENANN	PO BOX 1754	ELIZABETH	CO	80107
59	R108604	ELIZABETH SCHOOL DISTRICT	PO BOX 520	ELIZABETH	CO	801070520
60	R108601	RAGAN JERRY	27202 PINE VISTA CIR	KIOWA	CO	80117
61	R108611	CARLSON ANDREW JOHN	PO BOX 1734	PARKER	CO	801341405
62	R108606	SCHAUER CHRISTINA	459 S BANNER ST	ELIZABETH	CO	80107
63	R108606	SILVERMAN SYRINA HALEN	459 S BANNER ST	ELIZABETH	CO	80107
64	R108602	MUZEK BUCK MAUREEN	PO BOX 1838	ELIZABETH	CO	80107
65	R108602	BUCK MICHAEL	2552 GENTRY PL	WATKINS	CO	80137

AFFIDAVIT OF COMPLIANCE WITH ELIZABETH MUNICIPAL CODE SECTION 16-4-30(c)

Eugene Gregory Eugene Gregory

[*INSERT NAME OF APPLICANT REPRESENTATIVE*], being over the age of twenty-one (21) and duly sworn upon my oath, states as follows:

1. I am the applicant or applicant representative in the Town of Elizabeth land use application known as Banner Street Paired Homes

2. I caused the attached notice of public hearing in this matter to be sent with the language required by Elizabeth Municipal Code section 16-4-30(c) via regular first class mail to the following property owners at the following addresses, which constitute all such property owners within 500 feet of the site for which the land use application has been made:

COWLEY ROBERT R	40900 WIND SPIRIT LN	PARKER	CO	801384758
TOWNSEND THERESE	723 S BANNER STREET	ELIZABETH	CO	80107
MORGAN LIAM	723 S BANNER STREET	ELIZABETH	CO	80107
BULMER DON S	7814 LOST LAKE DRIVE	FRANKTOWN	CO	80116
BULMER LINDA M	7814 LOST LAKE DRIVE	FRANKTOWN	CO	80116
DUNN PATRICIA A	PO BOX 1949	ELIZABETH	CO	80107
SCHRODER MICHAEL LEE	18473 W MARCONI AVE	SURPRISE	AZ	85388
FORSYTH BONNIE	577 S MAIN ST	ELIZABETH	CO	80107
TORRENCE ROBERT R	676 BANNER ST	ELIZABETH	CO	801077568
TORRENCE LINDSEY K	PO BOX 201	ELIZABETH	CO	80107
BULMER DON S	7814 LOST LAKE DRIVE	FRANKTOWN	CO	80116
BULMER LINDA M	7814 LOST LAKE DRIVE	FRANKTOWN	CO	80116
MKN LLC, C/O MIKE NAUGHTON	8521 E ILIFF DR	DENVER	CO	80246
BULMER DONALD	7814 LOST LAKE DR	FRANKTOWN	CO	80116
ELIZABETH SCHOOL DISTRICT	PO BOX 520	ELIZABETH	CO	801070520
KLINGBEIL ALISON	PO BOX 1537	ELIZABETH	CO	80107
ELIZABETH SCHOOL DISTRICT	PO BOX 520	ELIZABETH	CO	801070520
TOWN OF ELIZABETH	PO BOX 159	ELIZABETH	CO	80107
KNOWLES KATHERINE J	PO BOX 493	ELIZABETH	CO	80107-0493
TOWN OF ELIZABETH	151 BANNER ST	ELIZABETH	CO	80107
HUNTER PAUL W	PO BOX 1268	ELIZABETH	CO	80107
HALBROOK ALICE F	1752 PRIVATE RD 130	ELIZABETH	CO	80107

SCHWARZKOPF PAUL C	760 MAIN ST	ELIZABETH	CO	80107
GOULD JEFFREY	309 E POPLAR ST	ELIZABETH	CO	80107
TILLMAN JALEN DONOVAN	721 MAIN ST	ELIZABETH	CO	80107
HULTMAN KYLIE BREANNA	721 MAIN ST	ELIZABETH	CO	80107
TOWN OF ELIZABETH COLORADO	425 MAIN ST	ELIZABETH	CO	80107
ELIZABETH PRESBYTERIAN CHURCH	PO BOX 117	ELIZABETH	CO	80107-0117
SIMMONS JULIE ANNE	523 S MAIN ST	ELIZABETH	CO	80107
KLEIN AUBANY RENEE	39478 BUFFALO RUN CIR	KIOWA	CO	80117
KLEIN BLAKE	39478 BUFFALO RUN CIR	KIOWA	CO	80117
MALACRIDA ANTHONY	473 S PINE ST	ELIZABETH	CO	80107
MALACRIDA GRACE	473 S PINE ST	ELIZABETH	CO	80107
MALACRIDA ROBERT	473 S PINE ST	ELIZABETH	CO	80107
TURNER MICHELE	PO BOX 1922	ELIZABETH	CO	80107
TURNER MARK R	PO BOX 1922	ELIZABETH	CO	80107
OESTREICH STEPHEN	201 E WALNUT ST	ELIZABETH	CO	80107
OCHSENSCHLAGER LAUREN	201 E WALNUT ST	ELIZABETH	CO	80107
MAIN STREET STATION ELIZABETH LLC	5369 GRAND FIR WAY	PARKER	CO	80134
FUGETT DEAN A	1258 N HUNT CLUB DR	HERNANDO	FL	34442
FUGETT C JANE	1258 N HUNT CLUB DR	HERNANDO	FL	34442
BILLIE RAE BROWN REVOCABLE LIVING TRUST	2628 NW 60TH ST	OKLAHOMA CITY	OK	731127115
KENNETH AND JULIE UHERNIK TRUST	PO BOX 1802	ELIZABETH	CO	80107
MALIK WESLEY	718 S BANNER ST	ELIZABETH	CO	80107
MALIK KATHRYN	718 S BANNER ST	ELIZABETH	CO	80107
SAAVEDRA LINDSAY LEIGH	375 SOUTH MAIN ST	ELIZABETH	CO	80107
FUGETT JANE	1258 N HUNT CLUB DR	HERNANDO	FL	34442
MAIN STREET STATION ELIZABETH LLC	5369 GRAND FIR WAY	PARKER	CO	80134
PASTINE CRAIG T	30 MEMMEN DR	CASTLE ROCK	CO	80104
PASTINE L JEANNETTE	30 MEMMEN DR	CASTLE ROCK	CO	80104
MKN LLC, C/O MIKE NAUGHTON	8521 E ILIFF DR	DENVER	CO	80246

CENTENNIAL MENTAL HEALTH CENTER	211 W MAIN	STERLING	CO	80751
CORDOVA STEVEN A SR	624 S BANNER ST	ELIZABETH	CO	80107
CORDOVA CHERYL L	624 S BANNER ST	ELIZABETH	CO	80107
MANZANARES EDWINA T	481 SOUTH BANNER ST	ELIZABETH	CO	80107
SAAVEDRA LINDSAY LEIGH	375 SOUTH MAIN ST	ELIZABETH	CO	80107
CAMPBELL HELENANN	PO BOX 1754	ELIZABETH	CO	80107
ELIZABETH SCHOOL DISTRICT	PO BOX 520	ELIZABETH	CO	801070520
RAGAN JERRY	27202 PINE VISTA CIR	KIOWA	CO	80117
CARLSON ANDREW JOHN	PO BOX 1734	PARKER	CO	801341405
SCHAUER CHRISTINA	459 S BANNER ST	ELIZABETH	CO	80107
SILVERMAN SYRINA HALEN	459 S BANNER ST	ELIZABETH	CO	80107
MUZEK BUCK MAUREEN	PO BOX 1838	ELIZABETH	CO	80107
BUCK MICHAEL	2552 GENTRY PL	WATKINS	CO	80137

3. In doing so, I specifically sent such notices via regular first class mail with proper postage affixed to each mailing, and such notices were deposited for mailing on [***INSERT DATE OF MAILING***] 11-04-2024

FURTHER AFFIANT SAYETH NAUGHT.

By: _____

STATE OF COLORADO)
) ss.
COUNTY OF ELBERT)

Subscribed and sworn to before me this 1st day of November, 2024 by Eugene Gregory.

Witness my hand and official seal.

My commission expires: 2/21/2027
(SEAL)

By: _____

KELLY RENEE OSTER
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID# 20234006733
MY COMMISSION EXPIRES 2/21/2027

SIGN POSTING AFFIDAVIT

(Attach Photos Here)

November 7-2024 Posted

The above sign was posted on (date) pursuant to the Town of Elizabeth Land Development Code, by LG Designs and Construction LLC (Applicant).

Signature

STATE OF COLORADO)
) ss.
COUNTY OF Elbert)

Subscribed and sworn to before me this 7th day of November, 2024, by [illegible]

My commission expires: 2-21-27.

(SEAL)

KELLY RENEE OSTER
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID# 20234006733
MY COMMISSION EXPIRES 2/21/2027

Notary Public

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 rezoning request from the Public Institutional (PI) District to the Downtown (DT) District and a site development plan application pursuant to the Town of Elizabeth Land Development Ordinance.
The public hearings are to be held before the Planning Commission on December 3, 2024, at 6:30 P.M., or as soon as possible thereafter, and Board of Trustees on December 10, 2024 at 7:00 P.M., 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

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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

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;

November 7, 2024

and the last publication of said notice was in the issue of said newspaper dated;

November 7, 2024

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

7 day of November, 2024

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 HEARING

Notice is hereby given that the Planning Commission and Board of Trustees shall hold public hearings concerning a rezoning request from the Public Institutional (PI) District to the Downtown (DT) District for the property described in Exhibit A and a site development plan application for the property described in Exhibit A located at 530, 540, 550, 560, 570, and 580 S Banner Street, pursuant to the Town of Elizabeth Land Development Ordinance.

A public hearing is to be held before the Planning Commission on December 3, 2024, at 6:30 p.m. and a public hearing before the Board of Trustees on December 10, 2024, 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 these hearings are adjourned. Further information is available through the Town Community Development Department at (303) 646-4166.

ALL INTERESTED PERSONS MAY ATTEND.

EXHIBIT A (legal description)

Lots 7-12, Block 18, Phillips Addition to the Town of Elizabeth Subdivision, 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 November 7, 2024
In Ranchland News
Legal No. 347

TO: Honorable Mayor, Mayor Pro Tem, and Members of the Board of Trustees
FROM: Patrick Davidson, Town Administrator
DATED: December 10, 2024
SUBJECT: Supplemental Memo – Rezone and Site Plan Application for S. Banner Street

BACKGROUND

The subject property is the parking lot located across the street from the former Frontier High School building. The specific addresses are 530-580 South Banner Street and contains six (6) separate lots. Each lot conforms to the traditionally established zoning at the time of the Town's creation. The current owner is the Elizabeth School District, and the district is seeking to sell the property for financial and other reasons. The School District has joined LG Designs & Construction LLC for the possible development of the property and has sought both a zoning amendment and a site plan approval for the property.

ZONING BACKGROUND:

Zoning in its most basic form includes municipal regulations that govern how real property can and cannot be used within a certain geographic area. The subject property is currently zoned Public Institution (PI), a zoning used for schools and governmental entities. Prior to any development a zoning change is required. This change presents a challenge for development as it must occur in conjunction with the sale of the subject property. To be viewed differently, the purchaser cannot take title with the current PI zoning, and the rezone must be accomplished prior to closing. This zoning concern has been a hinderance for the Elizabeth School District in determining how to proceed and with past offers for the purchase/sale of the former Frontier High School.

Changes to zoning are always treated with some skepticism as it has the potential to make substantial changes to an established neighborhood. In so keeping, it is generally ideal for any change of zoning to mirror adjacent properties to maintain a common design or theme. In the case of the subject property, it is adjacent to both Residential (R-1) and adjacent to Downtown (DT). Consequently, both are potential options for zoning without causing substantial disruption within the area.

The Elizabeth School District, in conjunction with the potential purchaser, LG Designs & Construction LLC, applied for DT zoning. Under the Town Code, these lots cannot be developed for R-1 zoning, because R-1 zoning currently requires at least 9,000 sq. ft. of lot space for a single-family residence. Consequently, under R-1 development only two (2) single family homes could be constructed, even with a replatting of the lots involved. The development of two homes at this location is not economically viable for either the developer or for the Elizabeth School District.

By seeking DT zoning, the applicant would be able to develop a single-family home on each lot due to differing building restrictions. Town Staff has noted that the proposed zoning does meet the requirements of DT zoning, and there are no known hindrances to development under this scenario.

SITE PLAN BACKGROUND:
A site plan is a drawing used to depict existing conditions of land as well as proposed conditions of land which may be modified or built upon. Generally, a site plan will include items such as the building footprint, proposed sidewalks, easements, utility locations, and related items that impact the land for development. Additionally, the site plan will provide an architect's rendering of what the proposed building will more or less look like upon the completion of construction.

The Town of Elizabeth has established Design Standards and Guidelines that provide minimal requirements and standards for the development of properties in the community. Unlike some communities in Colorado, architectural designs, color choices, siding material, roofing material and related aesthetic attributes are not specifically addressed. Additionally, there are no Design Standards and Guidelines which have been approved for development within the DT zoning district or which encompass or define "Historic Elizabeth." Consequently, the developer has proposed building construction, dimensions, and designs that fully meet the Town's guidelines.

PROCEEDINGS:
On Tuesday, December 3, 2024, both the rezoning and the site plan applications were heard by the Planning Commission. Town Staff presented the Staff Report which found that the zoning amendment met the requirements of the Elizabeth Town Code, and that the rezoning to the Downtown District (DT) was generally in conformity with the proposed infill opportunity. Additionally, the Staff Report found the proposed Site Plan should be approved.

The Planning Commission heard from Staff, a representative of LG Designs & Construction LLC, a representative of the Elizabeth School District, and members of the public. Upon closing the public hearing, the Commission discussed the pending matters. While acknowledging that the applications met the appropriate standards for Elizabeth, the Commission denied both the rezoning application and the site plan application, finding that collectively they did not like the size, density, and appearance of the proposed buildings.

ANALYSIS
These applications for both rezoning and a site-plan offer a complex challenge for both the Planning Commission and the Board of Trustees. It is rare that Public Institution (PI) zoning is amended, as it is typical for governmental facilities to remain as such and not sold. This zoning amendment adds an additional challenge as the subject property is undeveloped and not the sale of an existing building to be repurposed for another use. Consequently, the rezone is not simply from governmental use to private use, but also to a specific private use.

A second challenge is encountered with rezoning and the site plan in that the homes – as proposed – are technically undefined within the existing Code and is subject to Staff interpretation. Within the application, the homes are sometimes identified as duplexes or attached single family homes. Unfortunately, the language within the Code itself provides little or no assistance.

Unlike a more traditional duplex home, these specific buildings do not rely upon a common wall between units; do not share utilities; have no cross easements for purposes of electrical, water and sewer connections; are not required to maintain a fire suppression system; each have a separate water and sewer tap; and rest entirely upon their own individual lot. In many ways they are identical to a traditional single-family residence other than zero setbacks between units, and shared siding to cover the gap between each unit's own exterior wall.[1]

For purposes of residential zoning, "Single-Family Attached Dwellings" are authorized in R-2, R-TH, and R-3 residential zoning districts. The same applies to "Duplex Dwellings" which are likewise permitted in R-2, R-TH, and R-3 zoning. Neither the "Single-Family Attached Dwelling" nor the "Duplex Dwelling" would be authorized within the R-1 which is adjacent on both the North and the South sides of the subject property.

Conversely, the Downtown District (DT) designation provides nominal guidance. The DT designation makes considerable reference to existing "old downtown" business district, with specialty shops and a mix of retail, service and office uses. The DT designation, however, does allow specifically for "Single-Family Attached Dwellings" as an allowed use. DT zoning also specifically authorizes other "residential" types of uses to include bed and breakfast inns; boarding and rooming houses; and home occupations. In keeping with traditional "old downtown" businesses, it would not be uncommon for shop keepers to maintain a business and a residence within the same building, although not specifically identified within the current Code. Again, however, such an analysis is not clearly stated within the Code.

The net effect is that the Planning Commission has made a recommendation to deny both the rezone and the site plan applications. This decision did not come lightly for the Commissioners. The basis for the discussion was largely on the lack of definitions upon which to rely, combined with a general concern as to the DT designation. Equally effective arguments can, and were, proposed during the public comment period as well, placing the Planning Commission in an untenable position.

It generally appears the Board has two means to proceed at this time:

(1) The Board may support the position of the Planning Commission that based on the limited guidance provided in the Town Code; the difficulties arising from the rezoning under such circumstances; and the long-term results of the rezoning and development; resulting in the recommendation of the Planning Commission being upheld. OR

(2) The Board may support the position of the applicant who has met the technical requirements for the rezoning and site plan based on the limited guidance provided within the Town Code, and the lack of comprehensive Design Standards and Guidelines.

[1] It is noted that while this analysis tends to separate these homes from a traditional duplex home, the fact the applicant identified these homes as "duplex" in several filings is not disputed.

TO: Board of Trustees

FROM: Alexandra Cramer, Planner/Project Manager

DATE: December 10th, 2024

SUBJECT: Reappointment to Historic Advisory Board

SUMMARY

The Town has received interest from one Historic Advisory Board member for reappointment. John Quest has applied for reappointment to the Historic Advisory Board, as his term ends December 31st. A letter of interest is enclosed.

If reappointed, John Quest would fill a seat with a three-year term from January 1, 2025, through December 31, 2028.

STAFF RECOMMENDATION

Staff recommends that the Board of Trustees reappoint John Quest to the Historic Advisory Board for a three-year term starting January 1, 2025, through December 31, 2028.

ATTACHMENTS

John Quest Letter of Interest

John Quest **Architect Emeritus**

[redacted]

November 21, 2024

Town of Elizabeth
PO Box 159
151 S. Banner Street
Elizabeth, CO. 80107

Re: Letter of intent, Historic Advisory Board Appointment

Atten: Alexandra Cramer

Dear Ms. Cramer,

In response to your recent communication, please consider this my formal letter of intent for reappointment to the Historic Advisory Board for the Town of Elizabeth.

Thank you for your consideration

John Quest

Sincerely
John Quest

TO: Honorable Mayor and Board of Trustees
FROM: Patrick Davidson, Town Administrator
DATE: December 10, 2024
SUBJECT: Board of Trustee Appointment of Officers of the Town of Elizabeth

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BACKGROUND

The Elizabeth Municipal Code provides for the appointment of officers of the Town by the Board of Trustees. The Code calls for the appointment of officers of the Town during the first regularly scheduled meeting of the new Board of Trustees.

The following positions are currently filled, subject to reappointment by the Board of Trustees:

- Chief of Police – Jeff Engel
- Town Clerk / Town Treasurer – Michelle Oeser
- Town Attorney – Corey Hoffman and the firm of Hoffman, Parker, Wilson, Carberry, P.C.

ANALYSIS

Jeff Engel initially served as the Interim Police Chief for Elizabeth from December 2022 through March 2023, when he was then selected from a nationwide search to serve in the position permanently. Jeff has previously served as the Chief of Police in Berlin, Wisconsin, a Lieutenant [and Sergeant] with the Douglas County Sheriff's Office, and a Police Officer with the cities of Green Bay, Milwaukee, and Pewaukee, Wisconsin. He holds degrees and certificates from the University of Wisconsin, Concordia University, University of Colorado – Denver, the Police Executive Research Forum, and the FBI Command College.

Michelle Oeser has served as the Town Clerk and Town Treasurer since 2018. Michelle is both a Certified Municipal Clerk and a Certified Master Municipal Clerk through the International Municipal Clerks Association. Michelle holds a Certificate in Human Resource Management from Southern New Hampshire University and is a Colorado Certified Public Manager from the University of Colorado – Denver.

Corey Hoffman has represented the Town of Elizabeth since 1996 in conjunction with fellow attorney Jim Maloney. Since 2000, Corey has served as the principal attorney for the Town, along with his firm. The firm of Hoffman, Parker, Wilson, Carberry, P.C. represents numerous governmental entities within the State of Colorado.

OATH OF OFFICE

STATE OF COLORADO
ELBERT COUNTY
TOWN OF ELIZABETH

I, Corey Y. Hoffmann do solemnly, sincerely, and truly declare and affirm that I will support the Constitution of the United States of America and of the State of Colorado and the ordinances of the Town of Elizabeth and will faithfully perform the duties of the office of upon which I am about to enter.

Town Attorney

_____
Signature

Subscribed and affirmed to before me this 10th day of December 2024.

Mayor _____
Angela Ternus

OATH OF OFFICE

STATE OF COLORADO
ELBERT COUNTY
TOWN OF ELIZABETH

I, Michelle M. Oeser, do solemnly, sincerely, and truly declare and affirm that I will support the Constitution of the United States of America and of the State of Colorado and the ordinances of the Town of Elizabeth, and will faithfully perform the duties of the office of upon which I am about to enter.

Town Clerk / Treasurer

_____
Signature

Subscribed and affirmed to before me this 10th day of December 2024.

Mayor _____
Angela Ternus

OATH OF OFFICE

STATE OF COLORADO
ELBERT COUNTY
TOWN OF ELIZABETH

I, Jeff Engel, do solemnly, sincerely, and truly declare and affirm that I will support the Constitution of the United States of America and of the State of Colorado and the ordinances of the Town of Elizabeth, and will faithfully perform the duties of the office of upon which I am about to enter.

Chief of Police

_____
Signature

Subscribed and affirmed to before me this 10th day of December 2024.

Mayor _____
Angela Ternus

TO: Honorable Mayor and Board of Trustees
FROM: Michelle Oeser Town Clerk
DATE: December 10, 2024
SUBJECT: Posting Open Board Seat

SUMMARY

On November 5, 2025, an election was held to fill open Board seats. With the election season at an end, the Town Board has one open Trustee seat in Ward 2.
The Town Clerk is requesting direction from the Board to post the open seat.

If given direction to post the position, information on submitting a letter of interest will be posted in the Ranchland News and on the Town website.

RECOMMENDATION

Staff recommends the Board approve posting information on the open Ward 2 Trustee position straightaway.

TO: Honorable Mayor, Mayor Pro Tem, and Members of the Board of Trustees
FROM: Patrick Davidson, Town Administrator
DATED: December 10, 2024
SUBJECT: Resolution Amending Inflation Calculation for Impact Fees

BACKGROUND

Impact fees are fees charged by a municipality to assist in offsetting the financial burdens created through development within the municipality. For example, growth and development within Elizabeth creates capital demands upon the Town's police department, public buildings, parks, open spaces and trails, and public works facilities which are not otherwise offset by routine taxes. By assessing impact fees upon new development, the Town is provided with a source of funds to offset increased demands arising from growth and development.

The Town of Elizabeth previously retained the services of BBC Research and Consulting to analyze and assess growth and development projections to determine the demand for capital facilities and improvements anticipated to be placed upon the Town's infrastructure. On August 28, 2023, BBC submitted its Impact Fee Study to the Board of Trustees. On October 24, 2023, by and through Ordinance 23-08, the Town approved the imposition of Impact Fees.

Section 4-8-130 (j) requires that the impact fees imposed in the original Ordinance be amended annually, beginning on January 1, 2025, to reflect increases in inflation. The Ordinance dictates that the inflation increases are to be determined by making use of the Engineering News Record data, reflecting the cost index for the Denver metropolitan area. As an alternative, the Board may select an alternative means of calculating inflation and may do so by Board Resolution.

For water, sewer and renewable water tap fees, the Town has used the Consumer Price Index (CPI) for the Denver-Aurora-Lakewood area. Consistency would indicate that an inflation adjustment to Impact Fees should be made through the CPI, just as is done for other development fees. Additionally, the data provided through the Engineering News Record is not free, while the data published for the CPI is free and consistent for our region of the country.

STAFF RECOMMENDATION

Staff recommends the Board consider amending Section 4-8-130 (j) of the Impact Fee Ordinance, to allow for inflation to be calculated by means of CPI for the Denver-Aurora-Lakewood area, rather than through Engineering News Record.

BUDGET CONSIDERATIONS

Unlimited digital access to the Engineering News Record is $99.99/year. The Consumer Price Index information is published by the U.S. Bureau of Labor Statistics and is freely available.

ATTACHMENTS

Resolution Amending Inflation Adjustments to Town of Elizabeth Impact Fees

RESOLUTION 24R50

A RESOLUTION ESTABLISHING THAT ANNUAL ADJUSTMENTS TO IMPACT FEES BE BASED ON THE CONSUMER PRICE INDEX (CPI) FOR THE DENVER-AURORA-LAKEWOOD AREA AND NOT UPON THE ENGINEERING NEWS RECORD COST INDEX FOR THE DENVER METROPOLITAN AREA.

WHEREAS, on October 24, 2023, the Board of Trustees established, by Ordinance 23-08, the imposition of impact fees for future development within the Town of Elizabeth; and

WHEREAS Section 4-8-130(j) of the Ordinance prescribes an adjustment to impact fees, beginning on January 1, 2025, to reflect increases in inflation; and

WHEREAS, Section 4-8-130(j) establishes any adjustment to impact fees, to reflect inflation, shall be done by means of the Engineering News Record, reflecting the cost index for the Denver metropolitan area, unless an alternative means of calculating inflation is selected and approved by Board Resolution; and

WHEREAS the Town already makes use of the Consumer Price Index (CPI) for the Denver-Aurora-Lakewood area in calculating inflation for adjustments for water, wastewater, and renewable water resource tap fees, and for purposes of standardization, all current and future impact fee adjustments should likewise be made by means of the Consumer Price Index (CPI) for the Denver-Aurora-Lakewood area.

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

SECTION 1. The Board of Trustees establishes that all annual adjustments to impact fees, as established in Section 4-8-130(j) of the Town Code shall be by means of the Consumer Price Index (CPI) for the Denver-Aurora-Lakewood area and not through the Engineering News Record's cost index for the Denver metropolitan area.

PASSED, APPROVED, and ADOPTED this 10th day of December 2024, 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

TO: Honorable Mayor and Board of Trustees
FROM: Michelle Oeser Town Clerk
DATE: December 10, 2024
SUBJECT: Memorandum of Understanding

SUMMARY

The attached MOU is an updated version from June 11, 2024. This updated version is required due to the separation of Elbert County from the 18th Judicial Court to the new 23rd Judicial Court. This updated MOU will go into effect in January 2025.

Included you will find the original June memo from Chief Engel. This memo explains the need for the MOU.

ATTACHMENT

June 11, 2024, Memo
Resolution 24R52
Collaborative Management Memorandum of Understanding

TOWN OF ELIZABETH POLICE DEPARTMENT

JEFFERY R. ENGEL
CHIEF OF POLICE

To: *Mayor Payne, Mayor ProTem Secrist, and Board of Trustees*

From: *Jeff Engel*

Subject Memorandum of Understanding

Date: *June 11, 2024*

SUMMARY

The IOG is the Interagency Oversight Group, which is part of the State of Colorado Collaborative Management Program and is locally known as Connections for Families. The IOG (Connections for Families) is comprised of mandated and non-mandated partners formed by the Elbert County Department of Human and Health Services giving oversight to at-risk youth and families.

Connections for Families advocates for collaboration among service providers, to tailor support that meets the unique and specific needs of each youth and their family. The Goal of Connections for Families is to empower families to sustain a healthy environment of support for their children while avoiding involvement in the juvenile justice system and human service system. The service is a multisystem approach aimed at serving families promoting positive outcomes and improving family quality of life.

Each year, the parties in this group sign a MOU in accordance with CRS 24-1.9-102. The Elizabeth Police Department represents the Town of Elizabeth in this collaboration, as a non-mandated partner and our costs are “in kind” only, which means staff time to attend the meetings.

STAFF RECOMMENDATION

The IOG (Connections for Families) has proven valuable in identifying and delivering resources for at-risk youth and families. The Elizabeth Police Department supports the IOG (Connections for Families) and recommends approval of the Collaborative Management Memorandum of Understanding.

ATTACHMENT(S)

Resolution 24-29
Collaborative Management Memorandum of Understanding.

RESOLUTION 24R52

A RESOLUTION APPROVING THE COLLABORATIVE MANAGEMENT MEMORANDUM OF UNDERSTANDING BETWEEN THE TOWN AND VARIOUS AGENCIES REGARDING THE PROVISION OF SERVICES TO CHILDREN AND FAMILIES WHO WOULD BENEFIT FROM MULTI-AGENCY SERVICES

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 approves **the** Collaborative Management Memorandum of Understanding between the Town and Various Agencies regarding the provision of services to children and families who would benefit from multi-agency services attached hereto as **Exhibit A** and authorizes the Mayor to execute the same on behalf of the Town.

PASSED, APPROVED, and ADOPTED this ____ day of _____, 2024, 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

COLLABORATIVE MANAGEMENT MEMORANDUM OF UNDERSTANDING

Amendment
SFY July 2024-June 2025

This Agreement is made between the following statutorily Mandated Partners and Non-Mandated Partners to the Collaborative Management Program, each of which may herein be referred to individually as a "Party" or collectively as the "Parties":

MANDATED PARTNERS

1. **ELBERT COUNTY DEPARTMENT OF HUMAN SERVICES,** located at PO Box 924, 75 Ute Avenue, Kiowa, Colorado 80117;

2. **23rd JUDICIAL DISTRICT PROBATION DEPARTMENT,** located at 4000 Justice Way, Castle Rock, Colorado 80109;

3. **23rd JUDICIAL DISTRICT JUDICIAL DEPARTMENT**, located at 4000 Justice Way, Castle Rock, Colorado 80109;

4. **ELBERT COUNTY PUBLIC HEALTH DEPARTMENT,** located at PO Box 201, 75 Ute Avenue, Kiowa, Colorado 80117;

5. **ELIZABETH SCHOOL DISTRICT,** located at 634 Elbert St., Elizabeth, Colorado 80107;

6. **KIOWA SCHOOL DISTRICT**, located at PO Box 128, 525 Comanche St, Kiowa, Colorado 80117;

7. **CENTENNIAL MENTAL HEALTH CENTER COMPREHENSIVE BEHAVIORAL HEALTH SAFETY NET PROVIDER,** located at 650 Walnut Street, Elizabeth, Colorado 80107;

8. **BEHAVIORAL HEALTH ORGANIZATION ("BHO") or REGIONAL ACCOUNTABLE ENTITY("RAE"),** called **COLORADO** ACCESS, located at 1110 E. Bethany Drive, Aurora, Colorado 80014;

9. **DIVISION OF YOUTH SERVICES ("DYS"),** located at 4210 South Julian Way, Denver, Colorado 80236;

10. **DESIGNATED MANAGED SERVICE ORGANIZATION FOR THE PROVISION OF TREATMENT SERVICES FOR ALCOHOL AND DRUG ABUSE PURSUANT TO SECTION 27-80-107, C.R.S. ("MSO"), called SIGNAL** located at 6130 Greenwood Plaza Blvd., Suite 150, Greenwood Village, Colorado 80111;

11. **COMMUNITY DOMESTIC VIOLENCE PROGRAM PURSUANT TO 26-7.5-104 C.R.S. IF REPRESENTATION FROM SUCH PROGRAM IS AVAILABLE, called THE CRISIS CENTER** located at PO Box 631302, Littleton, Colorado 80163.

NON-MANDATED VOTING PARTNERS

12. ***JUVENILE ASSESSMENT CENTER,** located at 9700 E Easter Lane, Centennial, Colorado 80112;
13. ***CASA, ADVOCATES FOR CHILDREN,** located at 16965 Pine Lane, Suite 100, Parker, Colorado 80134;
14. ***23rd JUDICIAL DISTRICT COLORADO YOUTH DETENTION CONTINUUM**, located at 6904 S. Lima St., Centennial, Colorado 80112;
15. ***ELBERT COUNTY SHERIFF'S DEPARTMENT (ECSO),** located at PO Box 486, 751 Ute Avenue, Kiowa, Colorado 80117;
16. ***TOWN OF ELIZABETH, ELIZABETH POLICE DEPARTMENT (EPD),** located at PO Box 159, 156 Banner Street, Elizabeth, Colorado 80107;
17. ***ELBERT COUNTY BOARD OF COMMISSIONERS**, located at PO Box 7, 215 Comanche Street, Kiowa, Colorado 80117;
18. ***ELBERT COUNTY COALITION OF OUTREACH (ECCO),** located at 336 Comanche Street, Kiowa, Colorado 80117;
19. ***ELBERT COUNTY EARLY CHILDHOOD COUNCIL**, located at PO Box 2262, Elizabeth, Colorado 80107;
20. ***BABY BEAR HUGS** located at 201 South Main Street, Yuma, Colorado 80759.

***Please indicate whether the non-mandated partners are voting or non-voting members.* (* determines Non-Mandated Partners are voting members)**

WHEREAS, Colorado Revised Statutes (C.R.S.) Section 24-1.9-102(1)(a) authorizes the county department of human services to enter memorandums of understanding with specific agencies for the purpose of promoting a collaborative system of local-level interagency oversight groups and individualized service and support teams to coordinate and manage the provision of services to children and families who would benefit from integrated multi-agency services; and

WHEREAS, the undersigned desire to enter into an agreement for the collaboration of services to families and children who would benefit from integrated multi-agency services; and

WHEREAS, the undersigned agencies include all of the agencies required by statute.

NOW THEREFORE, in consideration of the premises and mutual promises and covenants herein contained, and for their mutual benefit, the Parties agree as follows:

Term of the Agreement. This Memorandum of Understanding (MOU) shall be effective beginning January 14, 2025 and shall expire June 30th, 2025

Renewal of MOU. The Parties may renew this MOU annually, subject to mutual agreement. Each Party reserves the right to elect not to renew the MOU after the expiration of the current term. If any Party intends not to renew the MOU, it should give notice of such intent at least thirty (30) days prior to the expiration of the Agreement.

I. Oversight Group. The Parties agree that there is hereby created an Interagency Oversight Group (IOG) as authorized by C.R.S 24-1.9-102, that is identified locally as Connections for Families, whose membership shall be comprised of a local representative of each Party to this MOU. Membership requirements, the status of each Party as a voting member or advisory member, procedures for election of officers, procedures for resolving disputes, and procedures for the development of subcommittee groups can be found in the By-Laws/Procedure Guide ("By-Laws" or "Guide") attached hereto as a labeled Appendix A. By signing this MOU, the Parties agree to follow and review these by-laws annually to ensure all statutory and rule mandates are met. Any changes to the by-laws are considered a revision to the MOU and shall require new submission to the State with new signatures of all mandated and non-mandated partners.

II. Target Population. In recognition of the goals of the Collaborative Management Program (CMP), children, youth, and families across systems are identified and served according to their contact with collaborative programs. The CMP target population consists of at-risk children and youth ages birth through twenty-one (21) years of age and their families who would benefit from a multi-system integrated service plan or multisystem approach. An Individualized Service and Support Team (ISST) includes two (2) or more system representatives that are present to assist a child/youth/family with developing an integrated service plan directed by family needs. The ISST identifies goals and facilitates collaboration and is a family-driven model for service planning. The child/youth/family members are present at and participating in the development of their plan. *Connections for Families* serves their target population(s) directly through an ISST(s) called: *ISST involved team name(s) (insert a list of local ISSTs names*): *Service Review Team (SRT), Game Plan to Success (GPS), District Attendance Review Board (DARB), Family Engagement Meeting (FEM).*

Connections for Families may also serve children, youth, and families within their communities through the Collaborative Management Program by providing multi-system prevention program(s). The target population for these prevention programs consists of at-risk children and youth ages birth through twenty-one (21) years of age and their families who would benefit from a multisystem approach. A multisystem prevention program must include two (2) or more system representatives that establish a program that facilitates collaboration and address needs not currently provided within the community. *Multi-system Prevention Program(s) named (insert a list of local Prevention Program name(s)): Rural Integrated Specialist Case manager, Alliance After School and Summer Program, Second Chance Tobacco Program, School-Based Group, Foster Care/Kinship Medical and Behavioral Healthcare Coordination, Municipal Court, Collaboration Consultation, Transportation Services.*

III. Services. As authorized by Section 12 CCR 2509-4-7.303.32(A), Counties may elect to participate in CMP by entering a Memorandum of Understanding (MOU) that is designed to promote a collaborative system to coordinate and manage the provision of services to children, youth, and families who would benefit from an integrated multi-system approach to service and service delivery. The Parties agree to provide the following specific services, subject to the

availability of funds for which the collaborative has authority as specified below.

Services Defined:

- The CMP's ISST is called *Service Team Review (SRT)*. It functions as an integrated service planning model with specific policies and procedures Appendix B 2.1.
- The CMP's ISST is called Game Plan to Success (GPS). It functions as an integrated service planning model with specific policies and procedures Appendix B 2.2.
- The CMP's ISST is called District Attendance Review Board (DARB). It functions as an integrated service planning model with specific policies and procedures Appendix B 2.3.
- The CMP's ISST is called Family Engagement Meetings (FEM). It functions as an integrated service planning model with specific policies and procedures Appendix B 2.4.

- The CMP provides a prevention program through Rural Integrated Specialist Case Manager (RISC) prevention program. Attached as a labeled appendix_C 1.1. Prevention programs are mandated to meet one of the following: 1) multi-systemic approach; 2) multiple disciplines involved in the development or enhancement of the program; 3) multiple agencies involved in the delivery of the services; 4) program developed to reduce bifurcated services; or 5) joint approach benefiting children, youth and or families.

- The CMP provides a prevention program through Alliance After School and Summer prevention program. Attached as a labeled appendix_C 1.2. Prevention programs are mandated to meet one of the following: 1) multi-systemic approach; 2) multiple disciplines involved in the development or enhancement of the program; 3) multiple agencies involved in the delivery of the services; 4) program developed to reduce bifurcated services; or 5) joint approach benefiting children, youth and or families.

- The CMP provides a prevention program through Second Chance Tobacco prevention program. Attached as a labeled appendix_C 1.3. Prevention programs are mandated to meet one of the following: 1) multi-systemic approach; 2) multiple disciplines involved in the development or enhancement of the program; 3) multiple agencies involved in the delivery of the services; 4) program developed to reduce bifurcated services; or 5) joint approach benefiting children, youth and or families.

- The CMP provides a prevention program through the School-Based Group prevention program. Attached as a labeled appendix_C 1.4. Prevention programs are mandated to meet one of the following: 1) multi-systemic approach; 2) multiple disciplines involved in the development or enhancement of the program; 3) multiple agencies involved in the delivery of the services; 4) program developed to reduce bifurcated services; or 5) joint approach benefiting children, youth and or families.
- The CMP provides a prevention program through the Foster Care/Kinship Medical and Behavioral Health Care Coordination prevention program. Attached as a labeled appendix_C 1.5. Prevention programs are mandated to meet one of the following: 1) multi-systemic approach; 2) multiple disciplines involved in the development or enhancement of the program; 3) multiple agencies involved in the delivery of the services; 4) program developed to reduce bifurcated services; or 5) joint approach benefiting children, youth and or families.
- The CMP provides a prevention program through the Municipal Court Support prevention program. Attached as a labeled appendix_C 1.6. Prevention programs are mandated to meet

one of the following: 1) multi-systemic approach; 2) multiple disciplines involved in the development or enhancement of the program; 3) multiple agencies involved in the delivery of the services; 4) program developed to reduce bifurcated services; or 5) joint approach benefiting children, youth and or families.

- The CMP provides a prevention program through the Collaboration Consultation prevention program. Attached as a labeled appendix_C 1.7. Prevention programs are mandated to meet one of the following: 1) multi-systemic approach; 2) multiple disciplines involved in the development or enhancement of the program; 3) multiple agencies involved in the delivery of the services; 4) program developed to reduce bifurcated services; or 5) joint approach benefiting children, youth and or families.
- The CMP provides a prevention program through the Transportation Services prevention program. Attached as a labeled appendix_C 1.8. Prevention programs are mandated to meet one of the following: 1) multi-systemic approach; 2) multiple disciplines involved in the development or enhancement of the program; 3) multiple agencies involved in the delivery of the services; 4) program developed to reduce bifurcated services; or 5) joint approach benefiting children, youth and or families.

IV. Authorization to Contribute Resources and Funding. Each Party represents that it has the authority to approve the contribution of time, resources, and funding to solve problems identified by *Connections for Families* to create a seamless, collaborative system of delivering multi-agency services to children and families. The resources and funding to be contributed are identified in Section V: Funding Sources

V. Funding Sources. Funding identified in this MOU may be a carryover from previous funding or savings, additional funding provided to the CMP program or any funds directed towards CMP. Additional funding may become available during the term of this MOU and the Parties agree to comply with any terms, conditions and restrictions on the funding made available to them. The Parties agree to financial risk sharing where commitments to support programs exceed the remaining monies available. The fiscal agent for Connections for Families is Trestle Programs, Inc. (defaults to County Human Services Departments) and by signing here _____ (signature of fiscal agent) agrees to assume financial risk. The financial risk defaults to the fiscal agent unless otherwise stated here _____. For this reason, *Connections for Families* projects a conservative budget based on currently available resources.

Table of Resource Pooling SFY 2024-2025		
CMP Carry Over/Reserve Funds	$74,828	
Party	IN-KIND	CASH
1. COUNTY DEPARTMENT OF HUMANSERVICES	$7,500	
2. JUDICIAL DISTRICT PROBATION DEPARTMENT	$8,000	

3. JUDICIAL DISTRICT COURT	$5,000	
4. HEALTH DEPARTMENT	$1,000	
5. SCHOOL DISTRICT-ELIZABETH	$23,000	
6. SCHOOL DISTRICT- KIOWA	$1,500	
7. COMPREHENSIVE BEHAVIORAL HEALTH SAFETY NET PROVIDER	$6,000	
8. BEHAVIORAL HEALTH ORGANIZATION ("BHO") or REGIONAL ACCOUNTABLE ENTITY ("RAE")	$4,000	
9. DIVISION OF YOUTH SERVICES ("DYS")	$6,020	
10. DESIGNATED MANAGED SERVICE ORGANIZATION FOR THE PROVISION OF TREATMENT SERVICES FOR ALCOHOL AND DRUG ABUSE PURSUANT TO SECTION 27-80-107, C.R.S. ("MSO")	$1,500	
11. COMMUNITY DOMESTIC VIOLENCE PROGRAM PURSUANT TO 26-7.5-104, C.R.S. ("DVP")	$2,708	
12. JUVENILEASSESSMENT CENTER	$6,694	
13. CASA, ADVOCATES FOR CHILDREN	$500	
14.23rd JUDCIAIL DISTRICT COLORADO YOUTH DETENTION CONTINUUM (CYDC)	$6,345	$13,375
15. ELBERT COUNTY SHERIFF'S OFFICE	$500	
16. TOWN OF ELIZABETH – ELIZABETH POLICE DEPARTMENT	$1,658	
17. ELBERT COUNTY BOARD OF COMMISSIONER	$500	
18. ELBERT COUNTY COALITION OUTREACH (ECCO)	$500	
19. ELBERT COUNTY EARLY CHILDHOOD COUNCIL	$500	

20.BABY BEAR HUGS	$500	
TOTALS	$83,925	$13,375

Approximate total contribution = $172,128

VI. Reinvestment of Funds Saved.
Connections for Families has established a procedure to allow funds received by the CDHS, and allocated pursuant to CRS 24-1.9-104, to be reinvested by the Parties to provide appropriate services to children and families who would benefit from multi-agency services has been approved by the head or director of each Party, as documented in the By-Laws/Guide at *Appendix A.*

The Parties agree by signing this MOU that the *Connections for Families* will review the CMP budget regularly to ensure that CMP funds are being used to serve children, youth and families that are involved in multiple systems or at risk of involvement in multiple systems. This includes funds being used to serve children, youth and families who are part of an ISST, CMP prevention program or as a mechanism to increase collaboration among Parties.

VII. Collaborative Management Processes. Pursuant to section 24-1.9-102(2)(e), C.R.S., *Connections For Families* has established a collaborative management process addressing risk sharing, resource pooling, performance expectations, outcome monitoring, and staff training. This management process shall be utilized by the ISSTs and CMP Prevention Programs when providing services to children and families serviced by the parties to this MOU, designed to reduce duplication and fragmentation of services, increase the quality, appropriateness, and effectiveness of services delivered to families, and encourage cost sharing among services providers. All of which can be found in the By-laws/Procedure Guide attached as *Appendix A.* **By signing this MOU, the Parties agree to follow and review these by-laws annually to ensure all statutory and rule mandates are met.**

VIII. Collaborative Management Program Elements.
Pursuant to section 24-1.9-102(2)(e), the parties agree to implement collaborative management processes (VII) in order to:

A. Reduce duplication and eliminate fragmentation of services provided to children, youth and families who would benefit from integrated multi-agency services. The Parties will reduce duplication and fragmentation of services by: *Appendix A Section 1.5.*
B. Increase the quality, appropriateness, and effectiveness of services delivered to children and families who would benefit from multi-agency services, to achieve better outcomes; the Parties will increase the quality, appropriateness, and effectiveness of services delivered through: *Appendix A Section 1.4 Outcome Monitoring.*
C. Encourage cost sharing among service providers. The Parties will encourage cost sharing through: *Appendix A Section 1.2 and Appendix A Section 2.2.*

IX. Process Measures.
Please select <u>all</u> the process measures that the CMP site will attempt to achieve. Each CMP site must select at least three (3).

☐X IOG meeting attendance (all partners signing MOU attending 75% of the time at 75% of

scheduled meetings);

☐X Family agency or member participation on the IOG as a voting member;

☐X Seventy-five (75%) percent of the agencies contribute resources at a service level, either in-kind or actual funds;

☐X Use of Evidence Based or Evidence Informed practices;

☐X Process of Continuous Quality Improvement used by the IOG;

☐X Evidence of cost-sharing

☐X *Appendix A 2.2, budget line item, and ISST plans*

X. Data.

The Parties agree to use either the State-provided Efforts to Outcomes (ETO) database and/or the Comprehensive Child Welfare Information System (CCWIS)/Trails for data collection for CMP-served clients. ETO shall be used for non-child welfare children, youth, and families to track participation. Trails or CCWIS databases shall be used for all Child Welfare CMP-served children, youth, and families.

The Parties agree by signing this MOU that the attestation statement shall be completed and the Parties shall comply with Operational Memo OM-DCP-2024-0001. The CMP site is responsible for ensuring there is no duplication of clients entered into ETO and/or Trails. Duplication is defined as a child, youth, or family that is counted twice for the same ISST meeting or prevention program and recorded in one (1) or more CMP data system(s). A child, youth or family may be counted for multiple service episodes supported by several multi-system partnerships.

An outcome must be determined and documented for each client supported by an Individualized Service and Support Team (ISST). The CMP State Steering Committee establishes the outcomes and measurements for each CMP site to choose from.

XI. Confidentiality Compliance. The Parties agree that State and Federal law concerning confidentiality shall be followed by the Parties and Connections for Families. Any records used or developed by *Connections for Families*, its members, a listed ISST, or a listed Prevention Program that relate to a particular person are to be kept confidential and may not be released to any other person or agency, except as provided by law. The Parties have developed a release of information that addresses the confidentiality needs of all Parties attached as an Appendix *B- Forms*.

XII. Termination of MOU. The Parties acknowledge that withdrawal from this MOU of any Mandated Party shall result in the automatic termination of this Agreement and termination of the collaborative system of delivery of services developed hereunder. The withdrawing Party shall assist the other Parties to achieve an orderly dissolution of the collaborative system with as little disruption as possible in the delivery of services provided to children and families who would benefit from multi-agency services.

A. **Withdrawal/Termination.** Any Party may withdraw from this Agreement at any time by providing 30 days written notice to all other Parties.

B. **For Loss of Funds.** Any Party may withdraw from this Agreement or modify the level of its commitment of services and resources hereunder, in the event of loss or reduction of resources from its funding source identified herein. Any Party withdrawing due to loss of funds will provide notice of withdrawal in writing within 30 days.

C. Distribution of Funds. The Parties have established a collaborative management process addressing the distribution of funds if the MOU is terminated as further described in the by-laws/procedure guide. *Appendix A Section 2.7.*

IN WITNESS WHEREOF, the Parties hereto, through their authorized representatives have executed this Memorandum of Understanding and commit to all elements described above, effective for the dates written above. (Please note scanned and electronic signatures, with an attached digital receipt, are acceptable).

Interagency Oversight Group Members
MANDATED PARTNERS
1.COUNTY DEPARTMENT OF HUMAN
Name and Title: Darcy Bolding, Director Address: PO Box 924, 75 Ute Ave. City/State/Zip: Kiowa CO 80117 Phone: 303.621.3195 Email: darcy.bolding@state.co.us Signature: Proxy, Misty Callahan, Child Welfare Administrator
2.JUDICIAL DISTRICT PROBATION DEPARTMENT
Name and Title: Lori Griffith, Chief Agency: 23rd Judicial District Probation Address: 7323 S Potomac St City/State/Zip: Centennial, CO 80112 Phone: 303.662.5910 Email:lori.griffith@judicial.state.co Signature: Proxy, Ted Romeo, Probation Supervisor
3.JUDICIAL DISTRICT COURTS
Name:The Honorable Ryan Stuart, Chief Judge Agency:23rd Judicial District Address:PO Box 232, 751 Ute St. City/State/Zip: Kiowa CO 80117 Phone: 303.621.5910 Email:ryan.stuart@judicial.state.co Signature: Proxy, Judge Theresa Slade
4.HEALTH DEPARTMENT
Name: Sara McIntosh, RN, Interim Director Agency: Elbert County Public Health Department Address:PO Box 201, 75 Ute Ave. City/State/Zip:Kiowa, CO 80117 Contact Person:Sara McIntosh Phone: 303.621.3170 Email:sara.mcintosh@elbertcounty-co.gov Signature: Proxy, Lisa Helseth, Health Educator

5.SCHOOL DISTRICT

Name:Dan Snowberger, Superintendent
Agency:Elizabeth School District
Address:634 Elbert St
City/State/Zip:Elizabeth CO 80107.
Contact Person:Dan Snowberger
Phone: 303.646.1836 Email:dsnowberger@esdk12.org

Signature:

Proxy, Dr. Kimberly Seefield, Director of Special Services

6.SCHOOL DISTRICT

Name:Travis Hargreaves, Superintendent
Agency:Kiowa School District
Address:PO Box 128, 525 Comanche St
City/State/Zip:Kiowa, CO 80117
Contact Person:Travis Hargreaves.
Phone: 303.621.2115 Email:thargreaves@kiowaschool.org.

Signature:

Proxy, Vaden Holmes, Principal

7. COMPREHENSIVE BEHAVIORAL HEALTH SAFETY NET PROVIDER

Name:Dante Gonzales, Chief Executive Officer
Address:650 E Walnut
City/State/Zip:Elizabeth, CO 80107
Contact Person: Dante Gonzales
Phone: 303.646.4519 Email:Dante.Gonzales@CentennialMHtC.org

Signature:

Proxy, Kris Schell, School Based Mental Health
Proxy, Katie Johnson, School Based Mental Health

8.BEHAVIORAL HEALTH ORGANIZATION/REGIONAL ACCOUNTABILITY ENTITY

Name and Title: Joy Twesigye, Vice President of Health Systems Integration
Address:11100 E Bethany Dr.
City/State/Zip:Aurora, CO 80014
Phone:720.744.6313 Email:joy.twesigye@coaccess.com

Signature:

Proxy, Lauren Showers, Program Manager of Member Affairs
Proxy, Shelby Keiran

9.DIVISION OF YOUTH SERVICES

Name and Title: Tammy Schneiderman, Director
Agency: Division of Youth Services
Address:4120 S Julian Way
City/State/Zip:Denver, CO 80236
Phone: 303.349.9723. Email: Amy

Signature:

Proxy, Krista Husak, Central Region Assistant Director

10.MANAGED SERVICE ORGANIZATION

Name and Title: Daniel Darting, Chief Executive Officer Address:6130 Greenwood Plaza Blvd., Ste 150
City/State/Zip:Greenwood Village, CO 80111
Phone:303.639.9320 Email:ddarting@signalbhn.org

Signature:

Proxy, Keirra Levier, Care Access Coordinator

11.DOMESTIC VIOLENCE PROGRAM

Name and Title: Amy McCandless, Executive Director
Agency: The Crisis Center
Address:PO Box 631302
City/State/Zip:Littleton CO 80163
Phone: 303.688.1094. Email: amymccandless@thecrisiscenter.org

Signature:

Proxy, Joanna Corbin, Program Director

NON-MANDATED PARTNERS

12.Juvenile Assessment Center

Name and Title: Sarah Troy, Executive Director
Agency: Juvenile Assessment Center
Address:9700 E Easter Lane
City/State/Zip:Centennial, CO 80112
Phone:720.213.1320 Email:stroy@arapahoegov.com

Signature:

Proxy, Zachariah Abdelbaki, Law Enforcement Program Director

13.Advocates for Children

Name and Title: Josefina Milliner, Executive Director
Agency: Advocate for Children - CASA Address:16965 Pine Lane, Suite 120 City/State/Zip:Parker CO 80134
Phone: 303.695.1882 Email:josefina_milliner@adv4children.org

Signature:

Proxy, Ebony Johnson, Program Director

14.23rd Judicial District Colorado Youth Detention Continuum

Name and Title: Rhonda Riley, Program Coordinator
Agency: 23rd Judicial District Colorado Youth Detention Continuum
Address:6904 S Lima Street
City/State/Zip: Centennial, CO 80112
Phone: 303.885.9835 Email:rriley@cydc18.com

Signature:

Proxy, Kari Yutzy, Pre-Trail Release Supervisor

15.Elbert County Sheriff's Office

Name and Title: Tim Norton, Sheriff Agency:
Elbert County Sheriff's Office Address:751 Ute Ave
City/State/Zip: Kiowa, CO 80117
Phone: 303.805.6129 Email: tim.norton@elbertcounty-co.gov

Signature:

Proxy, Janet Maloney, Victim Assistance Program Coordinator
Proxy, Melissa Potestio, Victim Advocate

16.Town of Elizabeth – Elizabeth Police Department

Name and Title: Angela Ternus, Mayor
Agency: Town of Elizabeth-Elizabeth Police Department
Address:156 S Banner St
City/State/Zip:Elizabeth CO 80107
Phone: 303.646.4166 Email: aternus1@townofelizabeth.org

Signature:

Proxy, Jeff Engel, Chief of Elizabeth Police Department

17.Elbert County Board of Commissioners

Name and Title: Dallas Schroeder, Commissioner
Agency: Elbert County Board of Commissioners
Address:215 Camanche St
City/State/Zip:Kiowa CO 80117
Phone: 303.621.3132. Email: dallas.schroeder@elbertcounty-co.gov

Signature:

18.Elbert County Coalition of Outreach

Name and Title: Erica Johnson, Executive Director
Agency: Elbert County Coalition of Outreach
Address:336 Comanche St
City/State/Zip:Kiowa CO 80117
Phone: 303.621.2599 Email:eccoinkiowa@outlook.com

Signature:

Proxy, Janet Maloney, Victim Assistance Program Coordinator

19.Elbert County Early Childhood

Name and Title: Llan Barkley, Coordinator
Agency: Elbert County Early Childhood Council
Address:PO Box 2262
City/State/Zip:Elizabeth CO 80107.
Phone: 970.744.2928. Email:elbertearly@gmail.com

Signature:

20.Baby Bear Hugs

Name and Title: Jennifer Deam, Executive Director
Agency: Baby Bear Hugs
Address:201 S Main Street
City/State/Zip:Yuma, CO 80759
Phone: 970.848.5274 Email: jennifer.deam@babybearhugs.org

Signature:

Proxy, Cathy Ruppel, Elbert County Coordinator

CONNECTIONS FOR FAMILIES

POLICY AND PROCEDURES
APPENDIX A

CONNECTIONS FOR FAMILIES

COLLABORATIVE MANAGEMENT PROGRAM

POLICY AND PROCEDURES

CRS 24-1.9-102. Memorandum of understanding - local-level interagency oversight groups - individualized service and support teams - coordination of services for children and families - requirements – wavier. (d) Creation of an oversight group. The memorandum of understanding shall create a local-level interagency oversight group and identify the oversight group's membership requirements, procedures for selection of officers, procedures for resolving disputes by a majority vote of those members authorized to vote, and procedures for establishing any necessary subcommittees of the interagency oversight group. Each interagency oversight group shall include a local representative of each party to the memorandum of understanding specified in paragraphs (a) and (a.5) of subsection (1) of this section, each of whom shall be a voting member of the interagency oversight group. In addition, the interagency oversight group may include, but is not limited to, the following advisory nonvoting members: (I) Representatives of interested local private sector entities; and (II) Family members or caregivers of children who would benefit from integrated multi-agency services or current or previous consumers of integrated multi-agency services.

Mission Statement of Connections for Families:

We, the service providers of Elbert County Colorado, believe that community collaboration is the best way to provide comprehensive care for families living with children involved in more than one child-serving system. We believe in a family-driven process that bases recommendations and interventions on the unique needs of each family system and supports the family in caring for their child in their own home whenever possible.

1. Collaborative Management Processes

The IOG has established a collaborative management process to be utilized by individualized service and support teams and preventative programs described below. The collaborative management process addresses risk sharing, resource pooling, performance expectations, outcome monitoring, and staff training in order to do the following:

- Reduce duplication and eliminate fragmentation of services provided to children and families who would benefit from integrated multi-agency services.

- Increase the quality, appropriateness, and effectiveness of services delivered to children and families who would benefit from multi-agency services, to achieve better outcomes; and
- Encourage cost sharing among service providers.

1.1 RISK SHARING

The Partners agree to have a qualified fiscal agent oversee the business, financial, and human resource portion of Connections for Families (IOG). This agent provides protections against financial and practice liability in the following ways:

The IOG operates in an intergovernmental agreement and is not a legal entity that insurance can be obtained. The insurance coverage for programs that operate under the IOG and through funds of HB 1451 is covered by the fiscal agent, Trestle Programs, Inc.

1.2 RESOURCE POOLING

Mandated and non-mandated partners agree to, at a minimum, provide their time at monthly IOG meetings to discuss policy, procedure, best practices, protocol, and community needs in Elbert County. Additional in-kind sources, such as administrative costs and staff time at collaborative meetings, will be documented in the yearly MOU and/or annual report.

1.3 PERFORMANCE EXPECTATION

Connections for Families mandated and non-mandated partners agree to uphold the mission of Connections for Families by performing the collaboration's functions, tasks, and responsibilities. Each member of Connections for Families will strive to meet the collaborative goals established by the group in the MOU, abiding by all rules and by-laws governing membership and the work, and will be guided by the group's stated mission. Through collaborative leadership, all partners will promote accountability, efficient, cost-effective, and coordinated systems to increase the health and well-being of children, youth, and families in Elbert County. Connections for Families strives to promote and coordinate integrated, family-centered services for all age groups, prioritizing ensuring that all youth are successful in their treatment or action plans.

1.4 OUTCOME MONITORING

- On a monthly and annual basis, outcome monitoring for all programming that Connections for Families oversees or financially supports will be reported to the coordinator. Data will be gathered from partner agencies, including data collected from databases such as; TRAILS, juvenile justice, and Infinite Campus. Data will be shared with any partner or community member requesting to view information once all identifying information has been removed, which would compromise confidentiality. Per

the MOU, IOG partners agree to collect and report data to Connection for Families when requested or, at a minimum, for year-end reporting.

- Increase the quality, appropriateness, and effectiveness of services delivered to children and families who would benefit from multi-agency services to achieve better outcomes; Parties will increase the quality, appropriateness, and effectiveness of services delivered through: The implementation of the quality improvement process for the Crossover Youth Practice Model has increased the quality, appropriateness, and effectiveness of services planned in families' integrated service plan. The process was established as an additional step of the practice model to ensure that our youth-serving systems can deliver quality, appropriate and effective services to the families served as Crossover families. All our other prevention and ISST programs involve a follow-up process with the youth and families or the collaborator to improve our programs for our youth and families continuously. Connections for Families quality improvement discussion is a set agenda item regularly at meetings. Through this conversation, there are discussions about our processes and services to ensure that we are adjusting where necessary best to meet the needs of the community.

1.5 TRAINING

Elbert County conducts annual strategic planning during which the Collaborative:

- Orients new members to the mission and work of the IOG
- Identifies a community-wide training for local providers
- Commits the funding necessary to achieve training objectives
- Allocates funding in the annual budget for the training needs of any IOG partners or staff

- Core members of the Individualized Support Service Team (ISST), Service Review Team (SRT)/Game Plan to Success (GPS)/District Attendance Review Board (DARB) meetings participate in annual training around integrated service planning, family engagement best practices, mandatory reporter, and cross-system training to help reduce duplication in services and eliminate the fragmentation among providers. By working together, this process allows the team to serve youth and families from a holistic approach and can streamline the process so that their needs are met with the right services at the right time.

2 FISCAL MANAGEMENT

2.1 OPERATING RESERVES

Whenever the fiscal environment allows, the partners agree to protect against the risk of financial insufficiency by maintaining an operating reserve equal to the cost of conducting the partnership business for a minimum of twelve months.

2.2 COST SHARING

- The partners agree to combine human resources to conduct the Individualize Service Support Team (ISST) business and identify and use existing services that support individualized, integrated service goals to avoid duplicating services. Where possible, IOG-sponsored programs will be funded by contributions from each partner agency for whom the program meets their agency goals as well as the goals of the collaborative.
- The Juvenile Assessment Center, CYDC, and the IOG participate in co-funding the Rural Intervention Specialized Case Management (RISC) program, and other partner agencies provide in-kind support to the program in the form of office space, materials, and operational support.
- The Coordinator for Collaborative Management is co-funded across two collaboratives in the region and shares time between two counties. Efforts to meet collaborative goals may create the need to request funding from the IOG. Such financial awards will be documented in the end-of-the-year report to the Colorado Department of Human Services. Complete financial reports will be provided to the IOG from the funded agency.

2.3 SAVINGS REALIZED

Any money resulting from waivers granted by the federal government and any state general fund savings realized as a result of the implementation of services provided to children, youth, and families who would benefit from multi-agency services will **not** automatically be reinvested by parties to Connections for Families. Each Mandated and Non-Mandated Partner will determine if savings realized within their agency will be reinvested to provide appropriate services to children, youth, and families who would benefit from integrated multi-agency services.

2.4 STATE FUNDING

All funds received by the Department of Human Services and allocated pursuant to CRS 24-1.9-104 as a result of the participation in the collaborative will be invested in the work conducted by Connections for Families to best serve families that would benefit from multi-system services/programs and to support staffing. Requests for funding will be accepted once per year as funding allows. Funding requests can be used to finance positions and/or services/programs that benefit children, youth, and families in a way that if the position/service/program did not exist, the results would be a bifurcated system and a burden would be placed on multiple systems. Funding requests must follow the established format and include a thorough explanation of:

- The target population and unmet needs within the community.
- How the position/service/program will reduce duplication and eliminate fragmentation of services provided to children and families who would benefit

from integrated multi-agency services, increase the quality, appropriateness, and effectiveness of services delivered to children and families who would benefit from integrated multi-agency services to achieve better outcomes for these children and families, and encourage cost-sharing among service providers.

- Identified barriers to implementation and plans for sustainability without funds.
- Identified goals, objectives and measurements that will show when a goal/objective has been met.
- Budgetary expenses, fiscal agent, and in-kind/matching.

Funding requests that meet the criteria may be denied, approved in full, or partially funded by a majority vote once a quorum has been met. Funding requests may only be considered if funds are available to support programming.

2.5 AUTHORIZATION TO CONTRIBUTE RESOURCES AND FUNDING

IOG Partner represents that it has the authority to approve the contribution of time, resources, and funding to solve problems identified to create a seamless, collaborative system of delivering multi-agency services to children and families. The resources and funding to be contributed are identified in the yearly Memorandum of Understanding (MOU) and include in-kind and cash pooling.

2.6 FUNDING SOURCES

Funding identified in the yearly Memorandum of Understanding (MOU) can be a carryover from State funding or savings or additional funding provided to Connections for Families from partner agencies or grants. IOG Partners agree to financial risk sharing, with commitments to support programs with earned funds and carryover when monies are available. For this reason, Connections for Families projects a conservative yearly budget based on available resources.

2.7 DISTRIBUTION OF STATE FUNDS UPON IOG DISSOLUTION DUE TO MANDATORY MEMBER RESIGNATION

- In the event that Connections for Families is dissolved due to the departure of mandatory members, as defined by statute, the remaining IOG members will meet at the next scheduled meeting to discuss how to disburse any remaining funds.
- Distribution of remaining funds will be decided upon by a majority vote of 51% of the remaining IOG members.

2.8 EMPLOYMENT AND SUPERVISION

- Trestle Programs, Inc. is the fiscal agent that handles all human resources related services for any employees
- Services shall include but are not limited to payroll and benefits administration, compensation management, compliance, onboarding, off-boarding, training, and evaluations.
- Contracts for services, including MOUs
- Quality assurance
- Staff training needs are assessed annually
- All employees shall be required to complete new employee orientation and HIPAA. On an annual rotating basis, Trestle Programs, Inc. shall coordinate employee training on various topics related to their work
- Individual training for supervisors and/or line staff shall be accessible through Trestle Programs, Inc.'s membership with Employers Council and other training providers in the areas of Communications, Performance Appraisals, Coaching and Counseling, Conflict Management, Leadership, Writing Skills, Team Development, Supervisory Skills, Time Management, Problem Solving, Personal Development, Employment Law, etc.
- Trestle Programs, Inc. provides a web-based to record and facilitates efficient time management and paid leave reporting
- each employee shall use a monthly web-based timesheet to track hours worked and paid and/or unpaid leave taken
- the timesheet shall account for overtime hours (per Fair Labor Standards Act) when worked within the defined workweek
- the employee shall submit the timesheet
- timesheets are approved by their supervisor and shall provide the base documentation for the payroll process
- Trestle Programs, Inc. shall review these timesheets for accuracy and alignment with position requirements as stated in the annual CYDC and MTR Plans

Coordinator Supervision

- Trestle Programs, Inc. shall supervise the CMP Coordinator and work with the IOGs to implement the annual plan and ensure that tasks are performed effectively, timely, and accurately
- Trestle Program's, Inc. annual performance evaluation of the Coordinator is based on the job description criteria and expectations stated in the local IOG Policy and Procedure manual

- A document shall be created and disbursed via email to select IOG partners for performance feedback. The results shall be compiled and reviewed with the Coordinator and appropriate IOG Executive Team Members.
    - Future goals for improvement and career growth shall be discussed and stated in writing by the Coordinator and referenced in future evaluations. Copies shall be forwarded to Trestle Program's Inc. for review and kept in the Coordinator's personnel file.
- Trestle Program, Inc., as the Coordinator's employer of record, shall require that performance and employment issues be processed through Trestle Program's, Inc. Human Resource Department for compliance with policies and procedures and employment law.
- Direct supervision of line staff shall be the responsibility of the Coordinator. Trestle Program, Inc. shall provide guidance and advice on personnel and workplace issues.

Role with IOG Partners

- Trestle Program, Inc shall engage in a shared process with the IOG regarding selecting and supervising the Coordinator and staff
- The IOG defines the job expectations of the Coordinator. Trestle Program, Inc. as the employer of record shall be responsible for the supervision of the Coordinator but shall rely on input from the IOG through formal (performance evaluation process) and informal communication when determining if performance goals are being met
- When it comes to line staff, the IOG defines the personnel positions and core responsibilities of each in the process of plan development
- Trestle Program, Inc. shall use the plan to create job descriptions for each of the approved positions
- These job descriptions shall be the criteria for supervising and overseeing IOG employees throughout the plan year.

Coordinator Responsibilities

Staff

- Direct supervision of line staff. Trestle Program, Inc. shall provide guidance and advice to personnel and workplace issues
- Review all timesheets and approve
- Quarterly performance evaluations

Community Engagement

- Promote and market the IOG in the local community
- Serve as liaison between the IOG and the community

- Work to foster positive working relationships within the community partners to enhance available resources for youth and families
- Represent the IOG at community events and activities to increase awareness and support for the goals and initiatives of the collaborative

Program Development

- With the help of the IOG, identify community needs and gaps in services
- Meet regularly with community partners to discuss identified needs
- Serve as an advisor to community partners on the community's needs and how these needs can best be met
- Collaborate with community partners and the Board in developing new programs
- Facilitate Individualized Service and Support Team (ISST) Meetings
- Develop and maintain written ISST processes to include procedures prior, during and after ISST meetings
- Provide ISST meeting orientation to new representatives
- Provide orientation and support for the community portion of the Elbert County RISC position.
- Research programs and innovative and evidence-based practices to assist the IOG in program and service development
- Stay connected with ISST families and follow up to the referred sources to ensure/monitor services and desired outcomes.
- Follow up with appropriate ISST representatives specific to outcomes for families.
- Ensure appropriate case management, follow up services and case coordination for ISST involved families

Governance and Monitoring

- Complete State data monitoring requirements and complete annual report per State requirements, including a yearly strategic planning meeting and report.
- Work with Trestle to develop and implement policies and procedures around Human resources issues, budgeting, and financial planning
- Maintain ETO database as required by the State CMP
- Provide oversight and guidance to all IOG fiscally sponsored programs
- Maintain regular contact with IOG Board Members and provide monthly updates.
- Prepare IOG meeting board packet and disseminate to the IOG board
- Maintain the IOG Memorandum of Understanding annually
- Work with the Chair, Executive Team, and Subcommittee Chairs to set the agenda for IOG and subcommittee meetings
- Attend IOG meetings and sub-committee meetings as requested

Network Development

- Attend State IOG meetings and participate in State IOG subcommittee works as needed
- Create and maintain document and/or information showing potential funding opportunities for the IOG, IOG member entities and the families served

- With assistance from IOG sub-committee, develop community and service provider training
- Participate in local committees. Attend required trainings, conferences and work groups.
- Schedule annual school and other agency check-in meetings to share referral documents, and review processes
- Form alliances and positive working relationships other agencies
- Attend interagency committee meetings when applicable
- Develop materials and makes presentations to interested parties concerning the mission, goals, and services of the IOG
- Create, monitor, and update website

Funding/finance

- Manage billing
- In collaboration with the fiscal agent, develops procedures for review, monitoring and payment of program expenditures
- In collaboration with the fiscal agent, develops RFPs and contracts for services including MOUs

3 POLICY/PROCEDURES

- Executive Team Members review the policy and procedures Appendix A annually.
- Policy and Procedures reviewed: ***May 10, 2024***
- The IOG Policy and Procedures may be amended by the majority vote of the Mandated and Non-Mandated Members, provided the amendments were previously submitted in writing to the membership. The revised Policy and Procedures will not be implemented until the new fiscal year unless signatures are obtained, submitted to State, and accepted.

4 MEMBERSHIP

4.1 MANDATORY HB 1451 MEMBERS:

1. Elbert County Department of Human Services
2. 23rd Judicial District Probation
3. 23rd Judicial District
4. Elbert County Department of Public Health
5. Elizabeth School District
6. Kiowa School District
7. Centennial Mental Health Center
8. Behavioral Health Organization, Colorado Access
9. Division of Youth Corrections
10. Management Service Organization, Signal
11. Local Domestic Violence Provider, The Crisis Center

4.2 NON-MANDATORY ELBERT COUNTY MEMBERS:

12. Juvenile Assessment Center (JAC)
13. CASA Advocates for Children
14. Colorado Youth Detention Continuum (CYDC)
15. Elbert County Sheriff's Office (ECSO)
16. Town of Elizabeth Police Department
17. Elbert County Board of Commissioners
18. Elbert County Coalition for Outreach (ECCO)
19. Elbert County Early Childhood Council
20. Baby Bear Hugs

4.3 MEMBERSHIP REQUIREMENTS

All partners agree to the following and to meet a minimum of 3 of the 6 State Mandated Process Measures:

1. The ability and authority to represent an agency or organization that serves the needs of children and families living in Elbert County.
2. The authority to approve the contribution of time, resources, and/or funding to solve problems; 75% of the agencies contribute resources at the service level, either in-kind or actual monies. Evidence of cost-sharing among IOG partners will be reflected in the expenditures section of the annual report.
3. Agreement to serve as the single voting representative from your agency, organization or association if the agency is eligible to vote;
4. Agreement and ability to serve a 1-year term of office as an IOG officer, if eligible to hold office; Elections are held once during each fiscal year;
5. Ability and commitment to attend 75% of the scheduled meetings; failure to fully engage in the process can result in removal by IOG vote.
6. Full and honest engagement in the process including a willingness to meet no less than quarterly to improve practices through continuous quality improvement.
7. A commitment to conflict resolution and decision making through a consensus model, realizing that voting is only resorted to under specific circumstances or where intractable conflict emerges;
8. The ability to represent the interests and needs of your agency, organization or association and the populations you serve, while simultaneously viewing services to families and children on a systems-level and understanding the mandates and needs of other partner agencies or organizations;
9. Agreement to:

a. Sign (if a representative of a mandated Party, give consideration to signing if a representative of a voluntary Party) the Collaborative Management Program Memorandum of Understanding;

b. Serve as a representative of and comply with the Memorandum of Understanding Pursuant to House Bill 04-1451 and other documents and agreements pertaining to Collaborative Management Program;

c. Review the above-mentioned documents on an annual basis and renew or attempt to work out conflicts or problems that would stand in the way of renewing; and,

10. Agreement to engage in an ethical manner, follow all pertinent local, state and federal laws and to act in best faith.
11. Participate in staffing the ISST. All integrated service plans will reflect two or more agencies in the plan.
12. Any records used or developed by the IOG or its members or by the ISST that relate to a particular person are to be kept confidential and may not be released to any other person or agency, except as provided by law. A single release of information has been developed that covers the confidentiality needs of all Parties and will then only need to be signed by Recipients one time to better facilitate the exchange of information. Further, the content of discussions and documents pertinent to the work of the IOG even where it does not relate to a particular person is considered proprietary and shall be held confidential. Such information is not to be shared outside of IOG members without the express consent of the IOG.

13. Mandatory members agree to be present 75% of the time at the four required meetings in a fiscal year. Sign-in sheets and minutes will confirm attendance. The four annual mandatory IOG meetings are defined and scheduled as follows:
    - January/Sept: Financial and programming planning. This meeting will convene to conduct formal strategic planning, update the current strategic plan, address our strategic goals, our ongoing programming support, and review, revise and budget for all programmatic commitments.
    - March: MOU planning. The team will meet to draft, discuss and confirm the MOU for the new SFY.
    - June:
        - Annual officer elections will consist, Chairman, Vice-Chair, Secretary, and Treasurer. A request for the nomination will be sent to the membership one month prior to the elections. The officers will be selected by a majority vote of all members.
        - Review of data for the year-end report. Each signatory is required to attend, vote and provides any data from their member agency needed to evaluate MOU goals and complete the annual report for the State.
        - Annual contract renewals and the MOU will also be discussed and signed at this meeting.

14. Willingness to strive for a family agency or member participation as evidenced by a voting family member/agency at 50% of all IOG meetings. Sign-in sheets and minutes will confirm attendance.

15. Strive to build evidence based/informed practice into the system of care by implementing at least one under the IOG, as reflected by the expenditures section of the annual report.

4.4 APPLICATION PROCESS FOR NEW NON- MANDATED MEMBERS

Applications to become a voting, Non-Mandated member to the IOG are requested to provide the following information:

Please provide a narrative that addresses the following questions.

- Please give a detailed description of your organization and how you see your organization support the work of collaborative management in your community.
- Please provide the name, position, and current contact information for the person who would be designated to represent your agency at the IOG level
- Attach any supporting documents to the final application. Send the application electronically to the offices of Connections for Families.

4.5 PROXY MEMEBER

- A member may designate a consistent alternate (known as the Proxy) to represent his or her agency interest in matters that come before the IOG, by providing the IOG a Proxy letter.
- The Proxy assigned has voting rights.
- If a Proxy nor the MOU signature is not able to attend, the member will NOT be counted in attendance.
- A Proxy may resign at any time; however, the signature member must give the membership written notification of the resignation and provide a replacement before the next scheduled IOG meeting.

4.6 MEMBER RESIGNATION

- IOG members may resign at any time by providing written notice to the Chair. Upon resignation, vacancies shall be filled in accordance with the membership procedure.

4.7 VOTING PROCESS FOR MEMBERS

Mandated and Non-Mandated members of the IOG will have voting authority. Connections for Families will follow a consensus model for decision making and welcomes input from all participating members.

Organization and Conduct of Membership Meetings.

The Chair (or, in his/her absence the Vice-Chair) shall preside over each meeting of the Membership. The meetings are conducted by Robert's Rules of Order. The Secretary, (or in his/her absence, the member appointed by the presiding officer), shall record the minutes of the meetings.

Quorum at Meeting.

The presence of at least 51% of the Mandated and Non-Mandated Membership, in person, shall be necessary at any meeting of the Membership to constitute the quorum necessary for conducting of business.

Voting Procedures.

Except as otherwise overridden by these Policy/Procedures, or by statute, all matters before the Membership shall be decided by a majority (at least 51%) of Mandated and Non-Mandated Members voting. Matters pertaining to non-routine fiscal and administrative decisions or personnel policies require a two-thirds (2/3's) vote of the Mandated and Non-Mandated Membership voting.

Any voting Member may call for a secret ballot on any question raised by motion and seconded. The presiding officer may vote when a secret ballot is called. Otherwise, the presiding officer votes only where such vote would change the result.

Any member may cast a proxy ballot on items considered for a vote on the Membership agenda in which there has been five (5) days written notice prior to the meeting. All proxy votes shall be delivered to and announced by the presiding officer at the meeting.

Any action required or permitted may be taken outside of a formal meeting if a majority of the individual members of the elected Membership consent to a waiver of the formal meeting and register their vote in writing or orally, via E-mail, telephone or facsimile if it hinders day to day business practice. Such action requires a motion, a second and at least 51% of all Members participating in the vote. If the action is so approved by a simple majority (at least 51% of Members voting), then such consent shall have the same force and effect as a unanimous vote of the members; and, the vote results may be stated as unanimous in any Articles. The Chair, or their designee, is responsible for initiating and recording the votes. A time period of no less than two business days from the initial communication outlining the action to be taken will be provided to the Membership for consideration, discussion, and voting. The voting results shall be ratified and recorded in the official Minutes of the next regular or special meeting of the Membership.

4.8 SUBCOMMITTEES

Mandated and Non-Mandated Members will establish ad-hoc subcommittees whenever necessary to complete specific, time-limited projects but will have no standing subcommittees. It is encouraged that each Member participates on ONE committee. The

committee will select a Chair, in which is responsible for reporting back to the IOG of the committee's findings, action plan, and/or recommendations.

4.9 DISPUTE RESOLUTION

Procedures for resolving disputes between or among the members related to the mission and purpose of the Collaborative Management Program shall be:

- Any concern or dispute may be submitted in writing to the IOG Chair and/or Executive Team for procession by the CMP. A clear description of the issue or concern and of the primary partners or individuals involved shall be included.
- The IOG will attempt to resolve the concern or dispute through a facilitated discussion with the primary parties involved prior to the next scheduled IOG meeting. A trained third-party facilitator or mediator may be utilized as the Membership deems appropriate.
- Final authority will rest with the membership of each partner agency on any matters concerning their own internal personnel management or fiscal matters related to their own participation with the IOG or in general.

4.10 STAFF

Community Engagement

- Promote and market the IOG in the local community.
- Serve as liaison between the IOG and the community.
- Work to foster positive working relationships within the community partners to enhance available resources for youth and families.
- Represent the IOG at community events and activities to increase awareness and support for the goals and initiatives of the collaborative.

Program Development

- With the help of the IOG, identify community needs and gaps in services.
- Meet regularly with community partners to discuss identified needs.
- Serve as an advisor to community partners on the needs of the community and how these needs can best be met.
- Collaborate with community partners and the Board in the development of new programs.
- Facilitate Individualized Service and Support Team (ISST) Meetings
- Develop and maintain written ISST processes to include procedures prior, during and after ISST meetings
- Provide ISST meeting orientation to new representatives
- Provide orientation and support for the community portion of the Elbert County RISC position.

- Research programs and innovative and evidence-based practices to assist the IOG in program and service development
- Stay connected with ISST families and follow up to the referred sources to ensure/monitor services and desired outcomes.
- Follow up with appropriate ISST representatives specific to outcomes for families.
- Ensure appropriate case management, follow up services and case coordination for ISST involved families

Governance and Monitoring

- Complete State data monitoring requirements and complete annual report per State requirements which includes a yearly strategic planning meeting and report.
- Work with Fiscal Sponsor to develop and implement policies and procedures around Human resources issues, budgeting and financial planning
- Maintain ETO database as required by the State CMP
- Provide oversight and guidance to all IOG fiscally sponsored programs
- Maintain regular contact with IOG Board Members and provide monthly updates.
- Prepare IOG meeting board packet and disseminate to the IOG board
- Maintain annually the IOG Memorandum of Understanding
- Work with the Chair, Executive Team, Subcommittee Chairs to set agenda for IOG and subcommittee meetings
- Attend IOG meetings and sub-committee meetings as requested

Network Development

- Attend State IOG meetings and participate in State IOG subcommittee works as needed
- Create and maintain document and/or information showing potential funding opportunities for the IOG, IOG member entities and the families served
- With assistance from IOG sub-committee, develop community and service provider training
- Participate in local committees. Attend required trainings, conferences and work groups.
- Schedule annual school and other agency check-in meetings to share referral documents, and review processes
- Form alliances and positive working relationships other agencies
- Attend interagency committee meetings when applicable
- Develop materials and makes presentations to interested parties concerning the mission, goals, and services of the IOG
- Create, monitor, and update website

Funding/finance

- Manage billing
- In collaboration with the fiscal agent, develops procedures for review, monitoring and payment of program expenditures
- Develop RFPs and contracts for services including MOUs

4.11 OPEN RECORDS

- All records of the IOG and its subcommittees will be published on the IOG website after each meeting. Exceptions are permitted where a specific determination is made and the IOG that there is a legitimate public purpose achieved by withholding a document concerning legal, personnel, or proprietary information, as set forth in the Colorado Open Meetings Law and Colorado Open Record

Connections for Families

INDIVIDUALIZED SERVICE AND SUPPORT POLICY AND PROCEDURES
APPENDIX B

Individualized Service and Support

Policy and Procedures

1 ISST

CRS 24-1.9-102. Memorandum of understanding - local-level interagency oversight groups - *individualized service and support teams* - coordination of services for children and families

(f) Authorization to create individualized service and support teams. The memorandum of understanding shall include authorization for the interagency oversight group to establish individualized service and support teams to develop a service and support plan and to provide services to children and families who would benefit from integrated multi-agency services. The primary goal of an ISST meeting is to discuss the complex needs of the family in an open forum that will provide the family with a variety of options for services. At its core, an ISST is a multi-disciplinary assessment of service team that focuses on needs identified by and inclusive of family members, with the goal of developing an integrated service plan for that child and family. ISSTs may draw upon models such as Wraparound and Family Group Decision Making. An ISST should be a family friendly and family focused team bringing together children (when age appropriate), parents/guardians, extended family, family support partners, community supports, and service agencies involved in the life of the family. ISST meetings are guided by the Family Voice & Choice principles in which the family members share their strengths, challenges, and support needs openly and without blame or shame.

Connection for Families reserves the right to adopt by majority vote, once a quorum has been met, any multi-system planning process that meets the requirements for an Individualized Service and Support (ISST) when it fills an unmet need, reduces redundancy in services or provides more efficient and effective service. Connections for Families Service Review Team (SRT), Game Plan to Success (GPS). District Attendance Review Board (DARB) are the designated ISST. Elbert County Department of Health and Human Services Family Engagement Meeting (FEM) may be counted as an ISST when it meets the HB1451 criteria.

2 PURPOSE

2.1 SERVICE REVIEW TEAM (SRT)

The Services Review Team (SRT) is established following House Bill 23-1249 guidelines for the ISST. This meeting serves youth 10 years of age to 21 years of age. It will review children and youth who are involved with juvenile justice, child welfare, education, and mental health with complex needs, in addition to children or youth that is considered as Crossover Youth (dual involvement with child welfare and probation involvement). Per CRS 24.1.9-102 Memorandum of Understanding, local level interagency oversight groups individualized service and support teams – coordination of services for children and families' requirements waiver, Service Review Team (SRT) established specifically to eliminate duplication and fragmentation of services offered to families who would benefit from an integrated multi-agency service plan. The SRT process is to have the entire family unit engage in a facilitated conversation with professionals from child welfare, mental health, education, juvenile justice, and community organizations to discuss the needs of the child/youth and family. Through this discussion,

the team can create an action plan that may consist of assistance in locating housing for the family, job search for parent(s)/youth, transportation issues (this may include helping the child/youth and parents get to appointments), mental health resources (changing to a provider that is in the proximity or a specialized provider), and/or funding that may include but not limited to help with monthly bills or fund specialized services. This strategy is intended to blend community resources in a flexible and tailored manner to meet each family's unique needs and increases the likelihood of a positive outcome.

2.2 GAME PLAN TO SUCCESS (GPS)

The CMP provides an ISST meeting, Game Plan to Success, that may serve youth from birth to 21 years of age. The program addresses early concerns related to truancy, behavioral issues at school or home, mental health, peer relationships, substance abuse, academic performance, and/or youth experiencing homelessness. Per CRS 24.1.9-102 Memorandum of understanding local level interagency oversight groups individualized service and support teams – coordination of services for children and families' requirements waiver, Game Plan to Success (GPS) established specifically to eliminate duplication and fragmentation of services offered to families who would benefit from an integrated multi-agency service plan. It targets youth that is involved in the Education, Mental Health, Law Enforcement, Child Welfare, and Juvenile Justice system(s) by providing consultation and/or collaborated facilitated meeting, to provide connection to community and system resources and additional support services with or without system involvement. This program serves all members of the family and treats the youth and family with individual needs to best serve the family unit. This can include but not limited to assistance in locating housing for the family, job search for parents/youth, transportation issues, and/or funding that may help with families' monthly bills. The child/youth and family are invited to attend the meetings.

2.3 DISTRICT ATTENDANCE REVIEW BOARD (DARB)

The CMP provides an ISST meeting, District Attendance Review Board (DARB) for school age children; six to 21 years of age. The program is designed to address child/youth who has four (4) or more unexcused absences in any month or ten (10) or more unexcused absences during the school year. Per CRS 24.1.9-102 Memorandum of understanding local level interagency oversight groups individualized service and support teams – coordination of services for children and families' requirements waiver, District Attendance Review Board (DARB) established specifically to eliminate duplication and fragmentation of services offered to families who would benefit from an integrated multi-agency service plan. The District Attendance Review Board (DARB) is an effort to bring together resources to assist families with attendance and truancy issues so that students will stay in school, attend school regularly and graduate. DARB works to divert students with school attendance or school behavior problems from the juvenile court system by providing guidance and coordinated school and/or community services to meet their special needs. A DARB panel is made up of representatives from the school district and may include members of public and community agencies that serve youth and families, such as probation officer and others. This panel examines the attendance situation and develops an individual attendance contract with the student and family to end absences. The child/youth and family are invited to attend the meetings.

2.4 FAMILY ENGAGMENT MEETING (FEM)

The Elbert County Department of Human Services is the lead agency that holds Family Engagement Meetings (FEM) which serves children from birth to 21 years of age. Family Engagement Meetings (FEM) may count as an ISST when one other system in addition to Child Welfare is involved. Other systems will include education, mental health, and/or juvenile justice. Per CRS 24.1.9-102 Memorandum of understanding local level interagency oversight groups individualized service and support teams – coordination of services for children and families' requirements waiver, Family Engagement Meeting (FEM) established specifically to eliminate duplication and fragmentation of services offered to families who would benefit from an integrated multi-agency service plan. The purpose of the meeting is to engage the family, child/youth (if appropriate), family supports, and professionals in a facilitated discussion. Through this discussion, the family and professionals are able to create a plan that may consist of assistance in locating housing for the family, job search for parents/youth, transportation issues, and/or funding that may help with family's monthly bills as well as including a plan that will address safety planning, service coordination, and permanency planning. A FEM is held prior to opening a case, for consideration of a child/youth being removed from their home, any placement changes, regular monitoring to ensure the case is moving forward, or at case closure. Through this discussion, an action plan will be put in place to address safety planning, service coordination, and permanency planning.

3 ISST PLANNING AND TEAM MEMBERS

The goal of an ISST meeting is to develop an action plan to address the complex issues and safety needs of the child(ren) and family. It is recommended that information in the plan include, but is not limited to, the following:

- tasks for which each individual/organization is responsible,
- financial responsibilities,
- the timeline for completion, and
- schedule for follow-up meetings.
- 2013, State of Colorado. Collaborative Management Program: Coordinators Handbook.

There are two types of ISST meeting attendees:

1- Core team members. They represent the IOG agency partners under MOU and attend every meeting. These team members should be people intimately involved with the array of services available through their agencies and capable of facilitating immediate referral to those services and providing funding resources to clients. Typically, they are clinical supervisors or highly experienced case management personnel.

2- Case specific attendees. Non-voting IOG members have the same responsibilities as case specific attendees. These are community providers that are involved with clients scheduled for SRT/GPS/DARB meetings who are invited to attend to discuss their current role in providing services or additional services they could offer to support the family. This includes non-voting IOG agency representatives. If the case specific attendee is not subject to the MOU, the referring agency must ensure that all attendees are added to the multi-system release of information prior to referral.

IOG mandatory partners appoint a representative from their agency to attend SRT/GPS/DARB meetings regularly. This member commits to maintain a family-focused perspective, attend regularly, stay current on policy and procedure governing the work of the Individual Service and Support Team as governed by the State and HB1451 and to participate in family engagement training provided annually by Connections for Families.

The current staff to the SRT by agency and position include:

1. 23rd Judicial District Pronation: Probation Supervisor/Officer
2. Department of Human Services - Child Welfare Administrator/Caseworker
3. Local School Districts- School Psychologist/Guidance Counselor /Principal/Assistant Principal
4. Community Mental Health Center-Centennial Mental Health Regional Operations Director/Clinical Supervisor/Case Manager
5. Colorado Youth Detention Continuum
6. Juvenile Assessment Center

5 GUIDELINES FOR PRESENTATION TO ISST MEETING

Referral source will be responsible for the following:

- Inviting parents, caretakers and service providers to the SRT/GPS/DARB meeting.
- Completing the referral form at least one week prior to the schedule meeting. The packet is to be faxed/emailed to the Connections for Families Program Coordinator to schedule a meeting.
- Referral source will present a summary of client information in a clear, concise and strength-based manner.
- Questions concerns and problems regarding scheduling can be directed to the Connections for Families Program Coordinator.

ISST meetings will occur on the second and third Tuesday of each month if a family is unable to attend on a set date one will be scheduled to fit the families need. The set meeting members will be notified one week prior to client's date and time of appointment. Clients will be notified by either the referral party or the Program Coordinator with their scheduled time. Changes to the schedule including cancellations should be made within 24 hours prior to the scheduled meeting. The meeting is scheduled for 1 hour.

6 ISST MEETING PROCESS

- The team receives the information packets on the day of the ISST meeting. Time will be allowed prior to the first staffing for team members to review the material. **We do not discuss the case until the family is present.**
- If the "Colorado Authorized Consent to Release Form" has not been signed by the parents, it will be signed at this time. The original copy will be kept on file at CONNECTIONS FOR FAMILIES and a copy will be offered to the parent/guardian.
- During the meeting, agency staff, providers, and parents will participate in a respectful, focused discussion of the current family resources as well as service options available. The team and family will evaluate their potential usefulness in achieving the family goals.
- Based upon the information reviewed, the ISST will make recommendations for treatment and/or services.

- ISST meetings will recommend a time frame of 30, 60 or 90 days for a follow-up review of the case if needed.
- ISST meeting will complete an Action Plan Form and will keep it on file. A copy will be given to the family, to the referral source and to any provider who will be serving the family.
- The Action Plan will include basic client information, the current recommendations of the ISST meeting in life-domains discussed with the team. Subsequent team reviews will be summarized in a case addendum unless the circumstances require a new plan. The addendum will be kept on file and a copy will be given to the referral source.

7 REFERRAL PROCESS

You may request a referral form by contacting the RISC Case Manager, Connections for Families Program Coordinator or visiting the Connections for Families website. Complete the referral form to the best of your ability and fax/email it to Connections for Families Program Coordinator to be scheduled for a meeting. Thoroughly describe all issues that you want an ISST meeting to consider under "Reason for Referral". Please attach additional documents that are crucial to understand your concerns about this child and family. You will be notified of the ISST meeting schedule and assigned a 1 hour time slot. Changes or cancellations should be made 24 hours prior to the scheduled meeting.

As the referring party, your responsibilities include:

- Completing the referral form, Release of Authorization form and submit all documents in the proper manner.
- Informing the family of the referral and that the Program Coordinator with Connections for Families will be in contact with them.
- Program Coordinator will inform other agencies currently involved with the child and family of the referral and invite them to attend the meeting.
- Confirming that the family will attend the meeting.
- After introductions and with the family present, present a five-minute overview of the client's situation. Include in your presentation your agency's efforts on the client's behalf, services that have been provided, the outcome and your thoughts about what services could be helpful.

A general discussion will follow, and all parties are encouraged to participate. ISST meeting members represent program resources and will create an action plan that the team and the family agree upon. Please remember that this is a family-inclusive process. Rules governing confidentiality will be respected. All materials and discussion will be shared with the family. **This is not an appropriate forum for in-depth discussion of specific therapeutic issues** and the discussion will be redirected to focus on addressing needs through the action plan. Following the meeting, you will receive a summary of team findings. You may distribute the summary to the Courts and other involved agencies as you deem appropriate to the circumstances of the client's case.

8 LIABILTY OF ISST MEMBERS

The ISST meetings are designed to be collaborative meeting to create a bridge to other resources, providers, and services. When partners participate in an ISST meeting, they are acting in the course and scope of their

employment with the organization they work for. Therefore, the employer of each partner is responsible for the actions of their employee(s) as provided by Colorado law.

9 USE OF FLEXIBLE FUNDING

Process for Flexible Funding

1. To request flexible funding for families, the referring party will submit a Connections for Families Request for Funding Form to the HB1451/IOG Coordinator. The request for assistance must be tied to a specific goal in the service plan or performance measures. When required, requests will be put to the full HB1451 CMP/IOG for an approval by vote.

2. Requests to fund items that are under $1000 and tied to a specific goal in the service plan do not need HB1451/IOG approval. These requests need to be submitted in accordance with the process described above for reimbursement. Incentive requests over the amount of $1000 must be approved in advance by the voting membership of the IOG prior to being committed to a child/family.

3. The ISST team members must have considered all other funding sources prior to making the request for assistance, with this information noted on the Connections for Families Request for Funding Form.

4. When a completed Connections for Families Request for Funding Form has been received by the IOG Coordinator, the Coordinator or her/his designee will notify the referral source for the family of whether the request has been approved or declined. If approved, the Coordinator and the Referring agency representative will determine the most appropriate method for delivery of check (via mail, hand delivery, or pick up).

5. If the request is declined, the IOG Coordinator and the referral source will discuss issues relevant to the request. Should there be disagreement, the voting membership of the IOG will review the request and make a final determination.

6. Checks cannot be issued directly to the client or the client's family.

7. The Coordinator will forward approved Request for Funding Forms to the fiscal agent for check disbursements or will facilitate the transaction using IOG funds.

8. Once a check has been received, the Referring Agency Representative is solely responsible for ensuring that the check is dispersed to the service provider within a timely manner or returned to the IOG Coordinator. A receipt for payment should be requested and returned to the IOG Coordinator for documentation. Checks should not be given directly to the client or the client's family.

9. If the check is not delivered to the service provider in accordance with this policy and stop payment is required, the Referring agency will be held responsible for reimbursing the fiscal agent the amount of the bank fee charged for stopping payment.

10. The Interagency Oversight Group of Elbert County is responsible for determining the allocation for flexible funding on an annual basis.

11. The IOG Coordinator is responsible for tracking expenditures and determining whether the line item is over or under budget and will provide a report to the Treasurer tracking these expenses monthly.

State of Colorado

Authorization — Consent to Release Information

Agency Requesting Information

Agency Name Connections for Families	Contact Name/Title PattyAnn Fontenot-Coordinator		
Mailing Address PO Box 1972			
City Elizabeth		State CO	ZIP 80107
Email pafontenot@connections4families.org	Phone 3-204-9232	Fax 720-368-5221	Date

Client Information

Last Name	First Name		MI
Physical Address			
City		State	ZIP
Permanent Address (if different than physical address)			
City		State	ZIP
Email		Phone	DOB
Type of Identifier ☐ Othe ☐ School ID ☐ DL ☐ State ID ☐ Child Welfare Case # ☐ Case Report # ☐ JD# ☐ Passport	Identifier #: Use only last four digits of SSN if used.	Role:	

Consenter/Person Authorizing Consent (if person above is a minor)

Last Name	First Name		MI
Physical Address			
City		State	ZIP
Permanent Address (if different than physical address)			
City		State	ZIP
Email		Phone	DOB
Type of Identifier ☐ Othe ☐ School ID ☐ DL ☐ State ID ☐ Child Welfare Case # ☐ Case Report # ☐ JD# ☐ Passport	Identifier #: Use only last four digits of SSN if used.	Role:	

Authorizes

☐ DHS/ Office:_____
☐ DHS/ Office of Behavioral Health
Other

☐ DHS/ Division of Youth Corrections
☐ Court (Juvenile, County, Municipal)
☐ Service Provider

☐ LEA
☐ School (Private or District)

☐ Probation (Juvenile, County, Municipal)
☐ Diversion

☐ Juvenile Assessment Ctr
☐ SB94
☐ DA

To Release Information to

☐ DHS/ Office:_____
☐ DHS/ Office of Behavioral Health
Other _____

☐ DHS/ Division of Youth Corrections
☐ Court (Juvenile, County, Municipal)
☐ Service Provider

☐ LEA
☐ School (Private or District)

☐ Probation (Juvenile, County, Municipal)
☐ Diversion

☐ Juvenile Assessment Ctr
☐ SB94
☐ DA

To Receive Information From

☐ DHS Office:_____
☐ DHS/Office of Behavioral Health
Other _____

DHS/ Division of Youth Corrections
☐ Court (Juvenile, County, Municipal)
☐ Service Provider

☐ LEA
☐ School (Private or District)

☐ Probation (Juvenile, County, Municipal)
☐ Diversion

☐ Juvenile Assessment Ctr
☐ SB94
☐ DA

For the Purpose of

☐ Adjudication
☐ Assessment
☐ Other_____

Coordination of Services
Intake

☐
Insurance (Health/Life)
Interdisciplinary Team Staffing

☐
Placement
Pretrial

Treatment

Type of Information Requested

Education _____

☐ School Grades/Test Scores

☐ School Attendance

Records

☐ School Behavior

Reports ☐ IEP's/504

Substance Abuse _____

☐ Treatment History ☐ Evaluations

Medical

- ☐ Current Prescriptions
- ☐ Medical History
- ☐ Immunizations

Mental Health

- ☐ MH Assessment
- ☐ MH Treatment History
- ☐ Diagnosis

Justice Agency

- ☐ Probation History
- ☐ Probation Records
- ☐ Police Reports/Records
- ☐ Other Court Records

Other Records

☐ Human Service Records ☐ Child Welfare History

Other (Please Specify) _____

Date Range of Youth Records:	From: Month: 02	Day: 02	Year: 2030	To: Month: 01	Day: 02	Year: 2004
Date Range of Authorization/Consent:	From: Month: 02	Day: 02	Year: 2000	To: Month: 02	Day: 02	Year: 2001

How is this information being released? ☐ Fax ☐ Email ☐ Telephone ☐ In Person ☐ Other_____

Signature of person authorizing consent: Date: (MM/DD/YYYY)

Type or print name:

Signature of youth: Date: (MM/DD/YYYY)

Type or print name:

☐ By my signature, I consent to the release of information contained on this form for use by the requesting agency(cies). I understand that my records are protected under Federal and State regulations governing confidentiality, 42 part 2, HIPAA , and FERPA and cannot be released without my written consent unless otherwise provided for by the regulations. I understand that any agency or individual using the confidential information or records obtained will take all necessary steps to protect the confidentiality of the above named juvenile/child's identity. I acknowledge that I have been informed of my rights to refuse to sign this form, and any conditions related to my consent or refusal, and that I am entitled to receive a copy of the signed form.

☐ Consenter declined release of information. _____[staff initial] [Copy Provided to Client]
Date Declined: (MM/DD/YYYY)_____

General

Disclosure Notice to Receiving Agencies: This notice accompanies a disclosure of information concerning a client whose information is protected by HIPAA, 42 part 2, FERPA, or other Federal or State law. This information has been disclosed to you from records whose confidentiality is protected by Federal Law. 42 part 2 and FERPA prohibit you from making further disclosure of this information without the specific written consent of the person to whom it pertains or as otherwise permitted by 42 part 2 or FERPA. A general authorization for the the release of medical or other information is NOT sufficient for this purpose. The federal rules restrict any use of 42 part 2 information to criminally investigate or prosecute any alcohol or drug abuse patient.

HIPAA Redisclosures: Information released under a HIPAA authorization may be subject to redisclosures that do not fall under HIPAA.

Confidentiality Notice for Electronic Transmittal: This release, including any attachments, is for the sole use of the intended recipient(s) and may contain confidential information. If you have received this communication in error, please immediately notify the sender. In addition, if you have received this in error, do not review, distribute, or copy the document or attachments.

Condition Statement: I understand that I might be denied services if I refuse to consent to a disclosure for purposes of treatment, payment, or health care operations, if permitted by law. I will not be denied services if I refuse to consent to a disclosure for other purposes.

Consent Expiration: This authorization - consent expires on/no later than (specific date), or one year from the date signed, at end of event, completion of treatment, or if included as part of a Court Order or condition of probation, upon the terms specified, whichever is less. Length of time consent is valid can be specific by program or provider, or set by length of program/ referral, period of time that records are utilized for specified consent purpose. See specific agency rules for agency specific time frames for record retention.

Copies of Authorization/Consent Valid: A copy, photocopy, or facsimile transmission of this release will have the same authority as the original.

Parent must be informed of consent rights and right to revoke consent in native language: Under Section 300.9 of Title 34 of the Code of Federal Regulations, parental consent means all of the following: (a) The parent or guardian has been fully informed of all information relevant to the activity for which consent is sought, in his or her native language, or other mode of communication. (b) The parent or guardian understands and agrees in writing to the carrying out of the activity for which his or her consent is sought; and the consent describes that activity and lists the records, if any, that will be released and to whom. (c) The parent or guardian understands that the granting of consent is voluntary on the part of the parent or guardian and may be revoked at any time. If a parent or guardian revokes consent, that revocation is not retroactive to negate an action that has occurred after the consent was given and before the consent was revoked. A public agency is not required to amend the education records of a child to remove any reference to the child's receipt of special education and services if the child's parent or guardian submits a written revocation of consent after the initial provision of special education and related services to the child.

Authorization/Consent Revocation Limitation/Period: This release/authorization may be revoked at any time by written notice to AGENCY, except to the extent that action has already been taken to comply with it. Without such revocation, this release/ authorization will expire as explained. Consenter may revoke consent in writing by contacting the releasing agency. This revocation will be re-corded in the AGENCY record. HIPAA requires written revocation of an authorization to release HIPAA information (45 CFR §164.508(b)(5)). Both Part 2 and HIPAA allow the program to make a disclosure for services already rendered in reliance on a signed consent or authorization form. See 42 CFR §2.31(a) (8) and 45 CFR §164.508. If consent is for Substance Abuse Treatment -verbal consent is acceptable. Verbal consent may also be accepted in specific emergency situations. See agency specific policies for more details.

Child Welfare and Medicaid Records: Federal law requires states to exchange information electronically through the state's automated child welfare and Medicaid systems to the extent it is feasible (45 C.F.R. § 1355.53(b) (2) (2009)) and encourages automated data exchange between child welfare and the courts. (45 C.F.R. § 1355.53(d) (2009).

Questions: If you have questions concerning this release please call (PROVIDER AGENCY PHONE #) or Please Send Information to: (PROVIDER AGENCY NAME AND ADDRESS AND FAX) Under the State of Colorado and Federal Confidentiality Regulations, no information about a juvenile participation in treatment can be disclosed without written consent except in the case of medical emergency, child abuse or Court Order. If applicable, a minimum necessary determination has been applied to this release/ authorization.

Connections for Families Funding Request Policy & Procedure

1. Complete the C4F Funding Request and Agreement.
2. Attach a copy of the invoice or receipt for purchases or payments, if applicable.
3. Submit all documents (request form, invoice, and/or receipt, and Release of Information) to the Connections for Families office.
4. Coordinator is authorized to approve expenditures up to $1000. Requests above $1000 are submitted for approval to the Connections for Families Executive Committee.
5. Requests are approved on a case-by-case basis and are subject to available funding.
6. Elbert County IOG member who submits a request cannot review the request for approval.
7. The coordinator will process the request and ensure that the requestor knows if the request has been approved or not, and the date payment can be anticipated.
8. One copy of the request and supporting receipt/invoice is kept for records.
9. Trestle Programs, Inc. is the Fiscal Agent for HB 1451/Connections for Families Funds, thus any payments disbursed follow Trestle Programs, Inc./C4F Guideline dates for payment.
10. When appropriate, all payments will be made to the vendor.

Funds may be used to support families who are served through Elbert IOG/CMP member agencies and Connections for Families ISST meetings, including but not limited to the following:

- Fees for classes, groups, and programs
- Transportation (bus passes, gas cards, mileage reimbursement, C4F Uber Experience)
- Purchase items to use to improve grades/attendance, i.e. organizational items, alarm clock
- School Supplies
- Housing assistance
- Incentive for positive achievement (passes, restaurant gift cards)

Today's Date:

Child/Youth Name:	Date of Birth:
Address:	Grade/School Name:
	Phone:
Parent/Guardian	Parent Phone:
Address:	Email:
Person Requesting Funding:	Phone:
Agency Representing:	Agency Phone:

Total Amount Needed: $	Have you previously received C4F Funding?_____ ☐Family ☐Child/Youth If yes, what was the funding used for:_____
Purpose of Funds:	Preferred Form of Payment: ☐C4F Check payable to:_____ ☐C4F Voucher ☐Walmart: $_____ ☐Gift Card (type)_____ $_____ ☐Online Debit(name of the website) _____ ☐ C4F Coordinator purchases and coordinates delivery with: _____ ☐C4F Coordinator coordinators Alliance Program services

Connections for Families Funding Request Policy & Procedure

Important Guidelines

These questions will help you to determine whether a potential request is valid:

- ✓ Will this money be used to benefit a child age 0-21 who is receiving or would benefit from multi-system services?
- ✓ Will this money be used in a way that helps the child/youth be successful in school?
- ✓ Will this money be used in a way that helps a child/youth free from substance use?
- ✓ Will this money be used in a way that helps a child/youth be in a stable and sustainable environment?
- ✓ Parent or youth agree to provide a U/A, if requested?
- ✓ Parent is currently working or in the process of employments?
- ✓ Have you considered other funding sources in our community that could pay for this?

*Any request for a ***student*** receiving a combined total of more than ***$500.00*** requires a majority vote by the Executive Committee.

1. Complete the C4F Funding Request and Agreement with the child/youth/family, including goals & signatures.
2. Attach a copy of the invoice or receipt for purchases or payments, if applicable.
3. Submit all documents (request form, invoice, and/or receipt, Alliance Program Application, Consent and Release of Information) to the Connections for Families office.
4. Coordinator is authorized to approve expenditures up to $500. Requests above $500 are submitted for approval to the Connections for Families Executive Committee.
5. Requests are approved on a case by case basis and are subject to available funding.
6. Elbert County IOG member who submits a request cannot review the request for approval.
7. The coordinator will process the request and ensure that the requestor knows if the request has been approved or not, and the date payment can be anticipated.
8. One copy of request and supporting receipt/invoice is kept for records.
9. Trestle Programs, Inc. is the Fiscal Agent for HB 1451/Connections for Families Funds, thus any payments disbursed follow Trestle Programs, Inc./C4F Guideline dates for payment.
10. When appropriate, all payments will be made to the vendor.

Funds may be used to support families who are served through Elbert IOG member agencies and Connections for Families ISST meetings, including but not limited to the following:

- Fees for classes, groups and programs
- Transportation (bus passes, gas cards, mileage reimbursement, C4F Uber Experience)
- Purchase of items to use to improve grades/attendance, i.e. organizational items, alarm clock
- School Supplies
- Housing assistance
- Incentive for positive achievement (passes, restaurant gift cards)

Today's Date:

Child/Youth Name:	Date of Birth:
Address:	Grade/School Name:
	Phone:
Parent/Guardian	Parent Phone:
Person Requesting Funding:	Phone:
Relationship to Child/Youth:	E-mail:
Agency Representing:	Agency Phone:

Total Amount Needed: $	Have you previously received C4F Funding?_____Family_____Child/Youth
Purpose of Funds:	Preferred Form of Payment:
	☐ C4F Check payable to:_____ ☐ C4F Voucher_____Walmart_____Gift Card(s)from _____ ☐ Online Debit (name of website)_____ ☐ C4F Coordinator should purchase & coordinate delivery with _____ ☐ C4F Coordinator coordinators Alliance Program services

Child/Youth & Family Pledge

I ,_____, have a specific goal that this money from Connections for Families is going to help me achieve. This goal is:_

_____

_____

_____

_____

_____

_____

My target date for achieving this goal is: _____

Child/Youth Signature_____ Date_____

Parent Signature _____ Date_____

I understand that Connections for Families will store basic family demographic information in a data base managed by the State of Colorado for the purposes of overall program evaluation and program improvement. This information will be submitted to a secure, firewall protected online database. Connections for Families will not share my personal, identifying information with any other agency, group, program or individual. I consent to the release of this information.

CLIENT INTAKE FORM Date: _____

Last Name: _____ First Name: _____

Address: _____ City: _____ ZIP: _____

Home Phone: _____ **Marital Status:** ☐ Single ☐ Married ☐ Separated ☐ Divorced ☐ Widowed

Cell Phone: _____ Referred By: _____

Type of Housing:

Monthly Housing Payment: $_____

☐	Own	☐	House
☐	Rent	☐	Apartment
☐	Other _____	☐	Other _____

Income Sources:

Self - Hourly Wage: $_____ Hours per Week: _____ Employer: _____

Spouse - Hourly Wage: $_____ Hours per Week: _____ Employer: _____

☐ My yearly income is under $75,000.00 **and** I have children under the age of 18 in my home.

Monthly amount received from:

Food Stamps $_____ Child Support $_____ W.I.C. ☐ Yes ☐ No

TANF $_____ Unemployment $_____

SSI / SSDI / VA $_____ Other $_____

List total number of people in Household (beginning with yourself)

Name	Birth Date	Relationship

Reason for Visit:

☐ Rent	☐ Propane	☐ Car Repair
☐ Utilities	☐ Medical Needs	☐ Relocation Needs
☐Water	☐Clothing	☐ Other

Other Agencies that you have received help from:

☐ Elbert Cty. Dept. of Human Services	☐ Salvation Army	☐ Other _____
☐ Douglas/Elbert Task Force	☐ Women's Crisis Center	
☐ Parker Task Force	☐ Catholic Charities	

I certify that the above information is correct and will permit this information to be shared with other agencies if necessary. Signed: _____

OFFICE USE ONLY: ☐ New ☐ Returning ☐ TANF ☐ ECCO

☐ Picture ID ☐ Signed Consent ☐ LEAP Application ☐ VALE ☐ MT. View

☐ Copy of Statements ☐ Proof of Residency ☐ Other ☐ Gas Voucher

Connections for Families

PROGRAMS **APPENDIX C**

Connections for Families Programs

PROGRAMS

Per CRS 24.1.9-102 Memorandum of understanding local level interagency oversight groups individualized service and support teams – coordination of services for children and families' requirements waiver, Identification of Services of Funding Sources. When applicable, the Elbert County IOG provides funding and/or staffing collaboration with other IOG partners such as but not limited to Centennial Mental Health, Advocates for Children. 23rd Judicial District Colorado Youth Detention Continuum CYDC, Juvenile Assessment Center (JAC), local schools, and Connections for Families. Connections for Families, in conjunction with collaborative relationships, implementations of, and the joint efforts with the Connections for Families, will consistently and frequently discuss the barriers and success a program. Connections for Families prevention programs consist of evidence-based principal and evidence-based practices that aim to serve children and youth who meet the criteria of "at-risk" and have been identified through the ISST meeting or a referral process. Participating organizations will offer funding and/or staff for the program.

1.1 RURAL INTEGRATED SPECIALIST CASE MANAGER – RISC MANAGER

Rural Integrated Specialist Case manager is an early intervention process designed to meet community needs, parents, teachers, community agencies, law enforcement, and community members, focusing on the needs of the child(ren)/youth. This may include but is not limited to therapeutic services, mentoring, family and school support. In collaboration with CYDC, the RISC program was created to serve the target population of children/youth from ages 5-18 years of age. The program focuses on the following concerns: school issues, disruptive/defiant behavior, homicidal/suicidal thoughts, mental health, and family and substance abuse. The RISC Manager provides the child(ren)/youth with assistance in locating resources or a referral to service providers. If the RISC Manager finds that more in-depth services are needed, the manager refers the child/youth and their family to participate in the Individualized Support Services Team (ISST) meeting. These meetings include the youth, their family, service providers, and other appropriate agencies to discuss their needs and concerns. The facilitator will lead the discussion to develop an action plan that all parties, including the family, agree to.

1.2 ALLIANCE AFTER SCHOOL AND SUMMER PROGRAM

Alliance After School Support and Summer Program supports youth aged 10 to 12 years old at risk of behavioral, mental health, and peer/family relationships by offering evidence-based practices through a social-emotional learning group activity. In working with school districts, the CMP had identified that as students begin transitioning into middle school, they worry about three aspects of change: logistical, social, and academics. In creating the program, the focus is that social and emotional learning will allow students to be better academically, with fewer disciplinary incidents and great awareness and understanding of handling their emotions. In collaboration with Centennial Mental Health Center, Connections for Families will provide the Alliance Program lesson that meets the needs of each student. The program offers mentorship, group lessons, and activities that develop the understanding, strategies, and skills that support a positive sense of self, promote respectful relationships and build student capacity to recognize and manage their own emotions and make responsible decisions. The group activities include but are not limited to therapeutic needs, life skills, self-esteem workshops, building peer relationships, and mentorship. The program performance and measures on academic success and collects its data from infinite campus and school adminstration.

1.3 SECOND CHANCE TOBACCO PROGRAM

Second Chance Tobacco Program is an educational program designed to help students think about tobacco's role in their lives and move them towards quitting. Connections for Families offers oversight and administration of the Second Chance Tobacco Program, a web-based tobacco education program for middle and high school youth who have violated a tobacco policy at school or have been ticketed in the community by law enforcement. When the CMP program reviewed data, the municipal court saw a high intake of tobacco tickets, and the court's only means were to give a fine and community service. In further discussion, the CMP agreed to provide oversight and administration of the Second Chance Tobacco Program created through the RMC Health program. Implementing this program has given schools and law enforcement an alternative to educate rather than punishment and offer youth participation in their community. Although this is a web-based program, the CMP agreed for the RISC Manager or Coordinator to provide a follow-up visit to discuss with the youth what they had learned and if there is a need for other resources that would be helpful for them. School Administration or law enforcement provides a referral. The program measure of success it not receiving a Municipal Court summons for a 2nd offense.

1.4 SCHOOL-BASED GROUPS

Kiowa School administrators have contacted the CMP looking for a program that offers lessons and activities focusing on social-emotional support for youths aged ten to 13. They have observed a decline in the school climate for middle school students, citing mental health concerns, bullying, and a lack of empathy for others. During in depth conversation between the IOG and Kiowa School District, all partners of the IOG agreed to finance and oversee the behavioral specialist to lead a monthly group focusing on evidence-informed practice social and

emotional lessons and activities to create a positive and safe student environment. This behavioral therapist will collaborate with the Kiowa Health Teacher to design and deliver monthly lessons. Since social and emotional learning is integral to education and human development, the lessons will aim to help youth acquire and apply knowledge. The curriculum will teach students skills and attitudes that contribute to developing healthy identities. The group will engage in lessons and activities centered around managing emotions, achieving personal and collective goals, and ways to show empathy for others. They will also learn to establish and maintain supportive relationships and make responsible and caring decisions. Additionally, the behavioral specialist will lead discussions on self-esteem, character, values, resiliency, protective factors, diversity awareness, violence prevention, substance abuse, gangs, self-defeating behaviors, anger management, peer pressure, problem-solving, and stress management. The goal is to create a more favorable climate in the school, ultimately leading to reduced behavioral or classroom disruptions. At the first and last group session, the facilitator will collect pre and post-assessments and continuously gather feedback from school administrators regarding the students' conduct.

1.5 FOSTER CARE/KINSHIP MEDICAL AND BEHAVIORAL HEALTH CARE COORDINATION

The target population for this prevention program is children and youth in custody, moving to adoption or kinship care of Elbert County Department of Human Services (ECDHS). ECDHS will collaborate with the Regional Accountable Entity (RAE), Colorado Access, to identify and collaborate on preventative medical and behavioral health care for children. In addition, this intervention can involve the local school district, Signal Behavioral Health, and the Division of Youth Services as needed. The intervention is housed with ECDHS and provides oversight and referrals. Once ECDHS closes the case, the case moves under the Elbert County IOG. The IOG will continue the oversight by checking in on the referred family for one month, six months, and one year. The purpose is to prevent further system involvement and promote positive mental health for children and youth who have suffered the trauma of removal from their homes. It will also support the guardians by connecting them to further services to support the family. This intervention will increase positive health and safety outcomes, decrease service duplication, and increase communication amongst systems to assist a vulnerable population.

1.6 MUNCIPIAL COURT SUPPORT

Municipal Court Model uses evidence-based practices for youth who violate the municipal ordinance. This program targets youth that has received a citation through the Elizabeth Police or School Resource Officer. The program strives to serve in the best interest of youth and families by providing opportunities for positive outcomes and for youth to learn from their mistakes. The creation of this program was created during conversations with CYDC, Juvenile Assessment Center, and Elizabeth Police Department in efforts to take a more proactive approach in efforts to keep children and youth further into the juvenile justice system and child welfare systems. Depending on the citation, they can flow one or two ways. For lower offenses, such as curfew,

property damage, and/or stealing, the youth will attend a class (which can be through Connections for Families if appropriate), write a 300-word essay and complete community service. Youth who receive a citation for substance use, runaway, stealing, or assault must take complete an assessment through the Community Assessment Program and/or attend a Game Plan Success Meeting (GPS). Connections for Families monitors the program and offers supervision. The RISC Manger meets with the youth and family, gathers information, participates in the Community Assessment Program through Juvenile Assessment Center, provides recommendations, provides U/A's when requested, follow-ups with youth and family when needed, and provides written reports to the courts. The case supervision is for 30 days unless the court requests additional time.

1.7 COLLABORATION CONSULTATION

This process offers the Elbert County IOG partners with common goals of assisting youth and families. The purpose of the Collaboration Consultation meeting is for the professionals to have an open discussion about children and youth ranging from birth to 21 years old and their families that they are working with to identify community services and resources to implement in efforts to not have the child/youth further at risk of becoming or further involved with the multisystem. Connections for Families are involved in this process to discuss cost sharing and to assist in coordinating services among agencies to support the youth and family best.

1.8 TRANSPORTATION SERVICE

The transportation service was created because of the ongoing issues that arise with transportation needs. Elbert County needs the means of a transit program. Without one, it has made it more difficult for low-income and high-risk youth and families to meet specific obligations. To help eliminate this barrier, the CMP created Uber Experience. This program focuses on serving youth and families that meet these criteria. The program serves youth from birth to 21 years of age. The Uber Experience offers transportation to necessary appointments, medical, mental, visitation, court appearances, and others that are part of the youth or family's treatment plan. In addition, ECDHS offers funding for the program that services TANF eligible clientele.

RESOLUTION 24R53

A RESOLUTION GRANTING THE MAYOR AUTHORITY TO EXECUTE A RESIDENTIAL LEASE AGREEMENT FOR 601 PINE RIDGE STREET, ELIZABETH COLORADO

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 approves **the Lease agreement** between the Town and Clayton Mael hereto as **Exhibit A** and authorizes the Mayor to execute the same on behalf of the Town.

PASSED, APPROVED, and ADOPTED this ____ day of _____, 2024, 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

RESIDENTIAL LEASE

This Residential Lease (the "Lease") is made and entered into as of this _____ day of December, 2024 (the "Effective Date"), by and between the Town of Elizabeth, a Colorado statutory municipality with an address of 151 South Banner Street, Elizabeth, Colorado 80107 (the "Town"), and Clayton Mael, ("Tenant") (each a "Party" and collectively the "Parties").

NOW, THEREFORE, for and in consideration of the mutual promises and covenants contained herein, the sufficiency of which is mutually acknowledged, the Parties agree as follows:

1. Premises. The Town hereby leases to Tenant the following described property (the "Premises"), and subject to Tenant's performance of all obligations under the Lease, Tenant shall enjoy quiet possession of the Premises throughout the term of this Lease: the two-bedroom house located at 601 Pine Ridge Street, Elizabeth, CO 80107. This lease shall not apply to any outbuildings, sheds, or other storage areas located upon the property.

2. Term. The initial term of this Lease shall be 12 months, commencing at 12:01 a.m. on January 10, 2025, and ending at 11:59 p.m. on December 31, 2025 (the "Term"). If Tenant remains in possession of the Premises after the expiration of this Lease without an express written agreement as to such holding, then, such holding shall be deemed to be a month-to-month tenancy at the monthly rental rate provided herein and subject to all the terms and conditions of this Lease.

3. Rent. The rent shall be one thousand two hundred dollars ($1,200.00) per month (the "Rent"). If Tenant occupies the unit for a portion of a month with the Town's consent, the Rent shall be prorated. Tenant shall pay the Rent in advance, without demand or setoff, on or before the 1st day of each month (due date) with no grace period. If Tenant does not pay the full Rent on or before the 1st day of the month at 5:00 p.m., a late charge of $25 shall be imposed for each day that the Rent is late. Tenant may not withhold or offset the Rent for any reason.

4. Use and Occupancy.

a. Residential Use. The Premises shall be used as Tenant's principal residence, and shall not be used for any commercial purpose. The Premises shall be occupied only by the Tenant. Additional occupants shall require prior written consent by the Town. Tenant is responsible for the conduct of all guests.

b. Compliance with Law. At all times while using the Premises, Tenant and Tenant's invitees shall comply with all applicable law.

c. Nuisances. Tenant shall not keep on or around the Premises any item of a dangerous, flammable or explosive character that might unreasonably increase the risk of fire or explosion or that might be considered hazardous. Neither Tenant nor Tenant's licensees and invitees shall be a nuisance or act in any manner that would interfere with the quiet enjoyment by adjacent property owners or other tenants (or their invitees) of their premises. This

prohibition includes without limitation loud noises, loud music, noxious or unpleasant odors, and disruptive behavior or actions. The Town may exclude invitees who, in the Town's judgment, have violated or are about to violate the law or this Lease.

d. Maintenance. Tenant shall keep the Premises reasonably clean, safe and sanitary, and shall timely dispose of garbage, rubbish and other waste. Tenant shall promptly notify the Town of any damage to the Premises, or the failure of any appliances or equipment.

e. Mold. Tenant shall keep all areas of the Premises thoroughly clean and dry. Tenant shall inspect all areas to ascertain if there are any water leaks or signs of water damage. Tenant shall make every effort to insure that water does not escape from shower or tub enclosures. Tenant shall immediately clean and dry any area where water has accumulated. Tenant shall keep all windows and doors closed during adverse weather or when the Premises is unattended. Tenant shall notify the Town immediately if there is any evidence of visible accumulation of mold-like substances on hard surfaces. Tenant shall clean the accumulated and surrounding areas with soap and or detergent and allow the area to dry. Within 24 hours of cleaning the area, Tenant shall apply according to labeled directions a disinfectant designed to kill mold-like substances. Within a reasonable time following written notification by Tenant, the Town shall repair water leaks. Tenant hereby indemnifies and holds the Town harmless and release the Town from any and all claims or actions arising from Tenant's breach of this section and all claims of consequential damages such as damages to Tenant's personal property or claims of adverse health conditions associated with exposure to mold.

f. Right of Entry. Tenant shall make the Premises available to the Town and its agents for the purposes of making repairs or improvements, or to supply agreed services, or in case of emergency. Except in case of emergency, the Town shall give Tenant reasonable notice of intent to enter. For these purposes, 24 hour notice shall be deemed reasonable. Tenant shall notify the Town in writing if Tenant install any alarm system, including instructions on how to disarm it in case of emergency entry.

g. Alterations and Improvements. Tenant accepts the Premises as is, and the Town disclaims all implied warranties. Tenant shall not make any improvements or alterations to the Premises without prior written consent of the Town. Tenant shall not, without the Town’s prior written consent, add, alter or re-key any locks to the Premises. If any alterations, improvements or changes are made to the Premises that remain at the termination or expiration of this Lease, they shall become the sole property of the Town.

h. Heat. Unless instructed otherwise by the Town, Tenant shall, for 24 hours a day during freezing weather, keep the Unit heated to at least 63 degrees. Tenant shall not use appliances for heat. Tenant shall be liable for damage to the Town's and others' property if damage is caused by broken water pipes due to Tenant's violation of this Section.

i. Smoking and Marijuana. No smoking vaping or other consumption of tobacco or recreational or medical marijuana is permitted on the Premises.

j. Interior Areas. Tenant shall not install any penetrations (*e.g.* picture hangers) into interior walls of the building without the express written approval of the Town. Tenant may not make changes to wall colors, flooring, appliances, fixtures or features without the prior written consent of the Town.

k. Pets. The Tenant may keep one (1) dog on the premises but is responsible for any damages arising from the animal, either inside or outside of the residence, and to otherwise ensure that the premises are kept clean, sanitary, and orderly. The dog is required to be licensed with the Town of Elizabeth, and current on all vaccinations.

5. Security Deposit.

a. General. Tenant shall pay to the Town a security deposit of one thousand two hundred dollars ($1,200.00) (the "Security Deposit") to secure against the breach of any obligations under this Lease, including without limitation: damage to the Premises, fixtures, appliances or carpet; abandonment of the Premises; or nonpayment of rent, late charges, returned check charges and attorney fees. If the Security Deposit is used by the Town during the term of this Lease, Tenant shall immediately restore the Security Deposit. The Security Deposit will be held and disbursed subject to the terms of this Lease and applicable law.

b. Return. Within 60 days after Tenant's surrender of the Premises, the Town shall provide Tenant, at Tenant's last known address, with a written statement listing the reasons for all charges against the Security Deposit, and refund the balance (if any) therewith.

6. Utilities.

a. Optional. At Tenant's option, Tenant may procure the following utilities at Tenant's own cost: telephone, cable and internet access. Exterior satellite dishes are prohibited.

b. Required. Tenant shall continuously maintain water, sewer, electric and gas service for the Premises. Electric and gas services shall be held in the name of the Town of Elizabeth, and the Town shall be responsible for monthly payment of the same to ensure no disconnection occurs. Each monthly statement for the electrical and gas service shall be split 60%-40% by and between the Tenant and the Town of Elizabeth. The Town shall be reimbursed by the Tenant for the 40% established herein and shall be tendered at the same time as the regular rental payment as established in Section 3 of this Residential Lease.

7. Insurance. Tenant acknowledges that the Town’s insurance does not cover the personal property of Tenant or its invitees. The Town advises Tenant to purchase insurance coverage for loss to personal property due to fire, theft, water damage and other unfortunate events, liability coverage, and other appropriate insurance coverage.

8. Parking. The Town is not responsible for any damages that may result from Tenant's use of parking on the Premises. All motor vehicles shall be licensed and insured, and no inoperative, stored, or “junked” motor vehicles are permitted. The Town may cause removal of motor

vehicles not authorized or permitted, including those left on the Premises after expiration or termination of the Lease, at Tenant's expense, and Tenant waives any claim of damages for such removal.

9. Move-in/Move-out Inspection. The Town and Tenant may conduct an inspection of the Premises at the time of possession and surrender. An inspection sheet may be completed at that time, which will be sufficient and satisfactory proof of the condition of the Premises at the time of possession and surrender. All systems and appliances on the Premises will presumed to be in working condition at the time of possession and surrender unless specifically noted on the inspection sheet.

10. Registered Sex Offenders. No person shall register the address of the Premises on any list of registered sex offenders or predators or similar compilation. The Town does not warrant, represent nor guarantee whether other persons residing in or near the Premises appear on any list of sex offenders and shall not be obligated to monitor or disseminate any compilations of registered sex offenders or other criminals. If Tenant desires to obtain a copy of the list of convicted sex offenders in the area, Tenant shall obtain a copy from the local police, sheriff or other public record.

11. Surrender. Upon surrender of the Premises, Tenant shall return the Premises to as good a condition as when Tenant took possession of the Premises, normal wear and tear excepted. Tenant shall have all carpeting professionally cleaned. Any damage caused by accident, abuse, carelessness or negligence shall not be considered normal wear and tear. If Tenant fails to return the Premises in appropriate condition, the Town may restore the Premises to appropriate condition, including repair, replacement and cleaning. The cost of any work necessitated will be deducted from the Security Deposit, and if the Security Deposit is insufficient to cover the cost of the work performed, Tenant will be obligated to pay the additional balance.

12. Assignment and Sublease. Tenant shall neither assign nor sublease any interest in this lease without prior written consent of the Town. Consent to a sublease or assignment shall be at the Town's sole and absolute discretion. This Lease is fully assignable by the Town without the consent of the Tenant.

13. Damage to Premises. If the Premises or part of the Premises are damaged or destroyed by fire or other casualty not caused by Tenant's negligence or willful misconduct, the Rent will be abated during the time that the Premises are uninhabitable. If the Town decides not to repair or rebuild the Premises, then, this Lease shall terminate and the Rent shall be prorated.

14. Maintenance and Repair. The Town shall be responsible for maintenance and repair of all structural components, interior and exterior walls, floors, ceilings, roofs, heating, plumbing, electrical, wiring, sewer connections, appliances and glass. Requests for repairs shall be in writing (except in emergencies involving immediate danger to person or property). The Town's compliance with any verbal request does not waive the requirement for written notice. Tenant shall promptly notify the Town in writing of: water leaks; electrical problems; broken or missing locks or latches; and other conditions that pose a hazard to property, health, or safety. The Town

may turn off equipment and interrupt utilities to avoid damage or perform work. If utilities malfunction or are damaged, Tenant shall notify the Town immediately, and the Town shall act with customary diligence to make repairs and reconnections, taking into consideration when insurance proceeds are received, but Rent will not abate. Tenant shall promptly reimburse the Town for all loss, damage, or cost of repairs or service in the Premises, regardless of the cause or by whom damaged, except for damage caused by the Town or which is the result of ordinary wear and tear. The Town may require payment at any time, including advance payment of repairs for which Tenant is liable.

15. Disclosure of Information. The Town may disclose the identity and address of Tenant to any requesting law enforcement or other governmental agency, including the U.S. Census Bureau. The Town shall not be obligated to disclose any information to any other third-party. At the Town's option, the Town may disclose information regarding rental history if requested or authorized by Tenant in writing.

16. Indemnification. Tenant agrees to indemnify and hold harmless the Town and its officers, insurers, volunteers, representative, agents, employees, heirs and assigns from and against all claims, liability, damages, losses, expenses and demands, including attorney fees, on account of injury, loss, or damage, including without limitation claims arising from bodily injury, personal injury, sickness, disease, death, property loss or damage, or any other loss of any kind whatsoever, which arise out of or are in any manner connected with this Lease.

17. Breach and Remedies.

a. Breach. The following shall be considered a breach of this Lease: if Tenant fails to pay Rent or any other amount due under this Lease, or violate any provision of this Lease.

b. Remedies. If Tenant breaches this Lease, the Town may cure the breach at Tenant's cost, and terminate the Lease and Tenant's right to possession of the Premises. In addition, the Town may pursue any and all available remedies in law or equity, and the exercise of one remedy shall not preclude the exercise of any other available remedy.

c. Attorney Fees. In the event of any violation or breach of any provision of this Lease by Tenant, Tenant shall pay all of the Town's reasonable attorney fees associated with such violation or breach, whether or not litigation is commenced.

19. Miscellaneous.

a. Binding Effect. This Lease shall be binding upon the Parties and their officers, employees, agents, successors, and assigns. Except as expressly permitted by this Lease, Tenant shall not assign any rights or obligations under this Lease or sublet the Premises without the prior written consent of the Town. Any assignment or sublease without such consent shall be void.

b. Governing Law and Venue. This Lease 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.

c. Subject to Annual Appropriation. Consistent with Article X, § 20 of the Colorado Constitution, any financial obligation of the Town under this Lease 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. To the extent that any of the Town's obligations under this Lease are deemed to constitute a multi-year fiscal obligation, the Town's performance will be conditioned upon annual appropriation by the Town Council, in its sole discretion.

d. 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 Lease, the monetary limitations or any other rights, immunities, and 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.

e. Entire Agreement. This Lease supersedes any and all prior agreements between the Town and Tenant. There are no collateral understandings, representations or agreements other than those contained herein or expressly agreed to in writing signed by both the Town and Tenant.

f. Severability. If any provision of this Lease is ruled invalid or illegal, such ruling shall have no effect on the remaining provisions which shall be considered legally binding and given full force and effect.

g. Waiver. The failure of the Town to enforce any provision of this Lease shall not be deemed a waiver or limitation of the Town's right to subsequently enforce and compel strict compliance with every provision of this Lease.

h. Modification. This Lease may only be modified upon written agreement of Tenant and the Town.

IN WITNESS WHEREOF, the Parties have caused this Lease to be executed as of the Effective Date.

TOWN OF ELIZABETH, COLORADO

_____
Angela Ternus, Mayor

ATTEST:

_____
Michelle M. Oeser, Town Clerk

TENANT

_____

STATE OF COLORADO)
) ss.
COUNTY OF _____)

The foregoing instrument was subscribed, sworn to and acknowledged before me this ___ day of December, 2025, by_____.

My commission expires:

(S E A L)

_____
Notary Public

TOWN OF ELIZABETH POLICE DEPARTMENT

CHIEF OF POLICE JEFF ENGEL

425 S. Main St., P.O. Box 1527, Elizabeth, Colorado, 80107
Phone: 303-646-4664 Fax: 303-646-0616
Police@townofelizabeth.org
www.townofelizabeth.org

ELIZABETH POLICE DEPARTMENT ACTIVITY STATISTICS REPORT

Period: 11/03/2024 to 11/30/2024

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 **11/03/2024 at 12:01 a.m. to 11/30/2024 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:

480

Traffic Stops:

Total Stops:	Penalty Assessments:	Written Warnings:	Verbal Warnings:	Assists to Other Agencies
76	31	1	43	1

Parking Violations:

Total Parking Violations:	Parking Citations:	Parking Written Warnings:	Parking Verbal Warnings:
2	0	2	0

Other Calls for Service:

Call Type:	Number of Calls:
911 Landline	3
911 Rapid SOS	5
Alarm-Business Burglary	6
Alarm-Business Hold Up	2
Alarm-Residential Burglary	1
Animal Barking	1
Animal Complaint	4
Animal Cruelty	1
Animal-Dangerous	1
Assault	2
Assist to Fire Department	3
Assist to Other Agency	3
Attempt to Contact	3
Business Check	23
Child Abuse	1

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Citizen Assist	13
Citizen Contact	27
Civil	2
Crime Prevention	7
Criminal Mischief	1
Disturbance	3
Domestic Violence-Physical	2
Domestic Violence-Verbal	1
Follow Up	40
Found Property	1
Harassment	1
House Watch	3
Increased Patrol	146
Informational Report	4
Medical Assist	4
Motorist Assist	5
Municipal Ordinance Violation	6
Motor Vehicle Accident with Injuries	1
Motor Vehicle Accident with Property Damage	10
Motor Vehicle Accident with Hazards	3
Noise Complaint	1
Park Check	1
Parking Complaint	2
Report Every Drunk Driver Immediately	1
Restraining Order Violation	2
Sex Assault on a Child	1
Sex Offense	3
Shots Heard	3
Suicidal Subject	2
Suspicious Circumstance	9
Suspicious Person	3
Suspicious Vehicle	12
Theft	1
Traffic Complaint	2
Traffic Hazard	7
Traffic Stop	76

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Unknown Trouble	2
Vehicle Theft	1
VIN Verify	4
Warrant Pickup	1
Welfare Check	2

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.
24-4350	Financial Crimes	Investigation into identity theft that occurred in Town.
24-4382	Sex Offense	Investigation into a sex offense involving juveniles.
24-4413	Death	Investigation into an unattended death that occurred in Town
24-4865	Child Abuse	Investigation into an alleged child abuse that occurred in Town.
24-5107	Obstruction	Investigation into obstruction of EPD Officers.
24-5143	Motor Vehicle Theft	Investgation into a recovered stolen vehicle.
24-5420	Motor Vehicle Accident	Investigation into a hit and run crash that occurred in Town.
24-5427	Motor Vehicle Accident	Investigation into a hit and run crash that occurred in Town.

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24-5664	Death Investigation	Investigation into an unattended death that occurred in Town
24-5696	Motor Vehicle Accident	Investigation into a hit and run crash that occurred in Town.

Open Community Services Division Municipal Ordinance Violations:

Case Number:	Call Type:	Notes:
24-3188	Abandoned Vehicles	Investigation into abandoned vehicles 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:
24-5288	Motor Vehicle Accident	EPD responded to a two-vehicle crash at a local school. The at fault driver was issued a municipal summons.
24-5275	Drug Offense	EPD responded to a local school on report of a minor who was in possession of THC. The minor was issued a municipal summons.
24-5206	Child Abuse	EPD conducted a child abuse investigation. The result of the investigation was non-criminal. The Elbert County Department of Human Services was notified.
24-5278	Motor Vehicle Accident	EPD responded to a single vehicle crash where a driver had damaged a median. The driver was issued a municipal summons.
24-5172	Motor Vehicle Accident	EPD responded to a two-vehicle crash. The damage to the vehicles did not match the damage that was reported to EPD. A crash report was taken; however, a summons was not issued.
24-5319	Motor Vehicle Accident	EPD responded to a hit and run crash where the motorist had struck a Town stop sign. After investigative leads were exhausted, the driver remains unidentified, and the case was closed.
24-5328	Domestic Violence-Physical	EPD responded to a physical domestic violence call. Upon arrival, the suspect had left the scene and would not cooperate with EPD. A warrant was issued for the suspect's arrest.
24-5087	Financial Crimes	EPD received a report of a citizen who believed their devices had been hacked.

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		After investigation, there was insufficient evidence to support criminal charges.
24-5244	Financial Crimes	EPD responded to a walk in report of fraud. The victim had sent and purchased gift cards to an unknown suspect. After investigative leads were exhausted, the case was closed.
24-5291	Motor Vehicle Accident	EPD responded to a two-vehicle crash. The at fault driver was issued a municipal summons for a traffic offense.
24-5353	Welfare Check	EPD responded to a welfare check where possible harassment was also occurring. At the conclusion of the investigation, there was insufficient evidence to support criminal charges.
24-5365	Motor Vehicle Accident-Auto vs. Pedestrian	EPD responded to an injury accident where a vehicle had struck two (2) minors. The minors received medical attention. The driver was issued a county summons for their driving actions.
24-1673	Motor Vehicle Theft	EPD closed a long-term investigation into a motor vehicle theft. After extensive investigation, the suspect has been identified and a warrant has been issued for their arrest.
24-5374	Motor Vehicle Accident	EPD responded to a three-vehicle crash. A crash report was taken however no summons was issued.
24-3209	Animal Control	EPD's Community Services Division closed a case investigation regarding animal control. The owner of the animal had come into compliance with Town codes.
24-5380	Found Property	EPD received a walk in report of found property. The owner of the property was unable to be notified, therefore the

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		property was booked into EPD's property room.
24-5415	Harassment	EPD responded to a harassment at a local school. After investigation, a crime had occurred. However, being that the suspect was under the age of criminal culpability, no crime could be charged. EPD provided counseling to the student and the rest of the class.
24-5421	Motor Vehicle Accident	EPD Officers investigated a single vehicle crash vs. a deer. A crash report was taken.
24-5399	Restraining Order Violation	EPD Officers investigated a protection order violation that was deemed to be unfounded.
24-5419	Missing Person	EPD responded to a local business on report of an elderly male who appeared confused. Further investigation revealed that the male was lost with dementia and lived in Denver. EPD coordinated with DPD to return the male to his home.
24-5287	Burglary	EPD responded to a construction site where a home under construction had widows stolen from inside. After investigative avenues were exhausted, the suspect(s) remain unidentified.
24-5434	Domestic Violence-Physical	EPD responded to a physical domestic violence call. EPD located the suspect and arrested them. The suspect was booked into ECSO jail on several charges.
24-4045	Municipal Ordinance Violation	EPD's Community Services Division closed a case investigation regarding accumulation of rubbish. The owner of the property had come into compliance with Town codes.

TOWN OF ELIZABETH POLICE DEPARTMENT

CHIEF OF POLICE JEFF ENGEL

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24-4492	Municipal Ordinance Violation	EPD's Community Services Division closed a case investigation regarding accumulation of rubbish. The owner of the property had come into compliance with Town codes.
24-5047	Municipal Ordinance Violation	EPD's Community Services Division closed a case investigation regarding accumulation of rubbish. The owner of the property had come into compliance with Town codes.
24-5502	Motor Vehicle Accident	EPD Officers investigated a single vehicle crash vs. a deer. A crash report was taken.
24-5561	Domestic Violence-Verbal	EPD responded to a walk in report of a cold domestic violence. After investigation, it was determined the alleged crimes occurred months ago and there was insufficient evidence to support criminal charges.
24-5192	Harassment	EPD responded to a local business on report of an recently terminated employee harassing current employees. After investigation, there was insufficient evidence to support criminal charges, however the suspect was trespassed from the store.
24-5262	Harassment	EPD investigated an anonymous report of harassment. As there was little to no information regarding the tip and what information could be obtained was proved to be false, the case was closed.
24-5511	Animal Control	EPD's Community Services Division responded to a report of two (2) dogs running at large. The dogs were contained and returned to their owner. A municipal summons was issued.

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24-5649	Animal Control	EPD located one (1) dog found to be running at large. The dog was contained and returned to the owner. The case was forwarded to Community Services for follow-up investigation.
24-5627	Motor Vehicle Crash	EPD responded to a two-vehicle crash. The at fault driver was issued a municipal summons.
24-5535	Sex Offense	EPD responded to a local school on a reported sex offense. After investigation, it was determined that the suspect was under the age of criminal culpability. This case was forwarded to the Elbert County Department of Human Services.
24-5630	Domestic Violence-Physical	EPD received a report of a physical domestic violence. After preliminary investigation, it was determined the alleged crime did not occur in the Town of Elizabeth. The case was forwarded to the appropriate jurisdiction.
24-5725	Suspicious Circumstance	EPD responded to a walk in at the PD for a suspicious package. The box had been tampered with at the distribution and an item was added.
24-5689	Littering Complaint	A resident contacted EPD about a suspicious person who had left numerous items of trash on their property over several days. The suspect was identified and issued a municipal summons.

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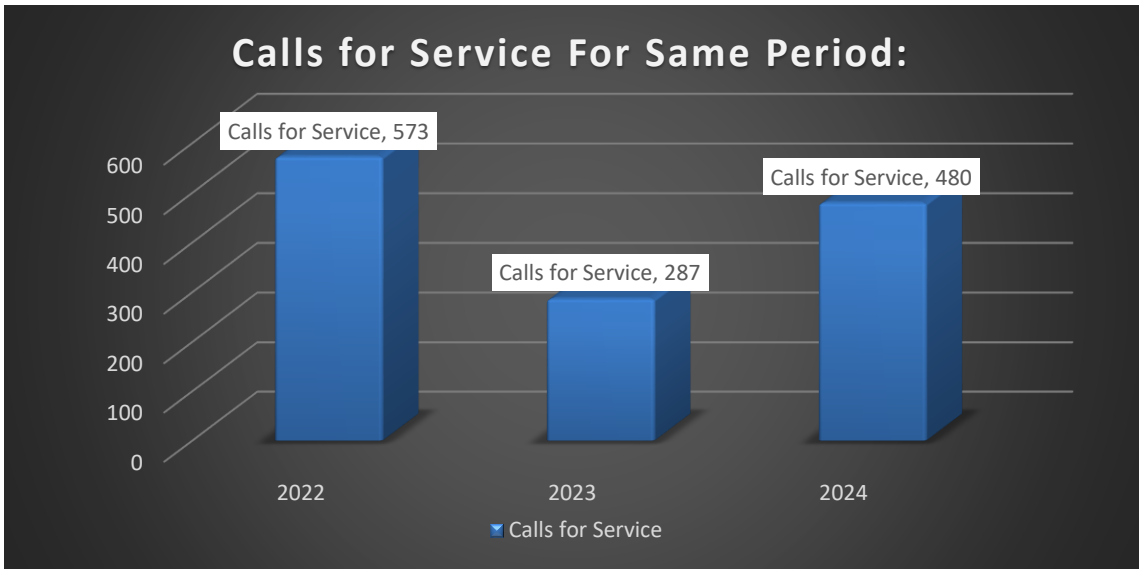
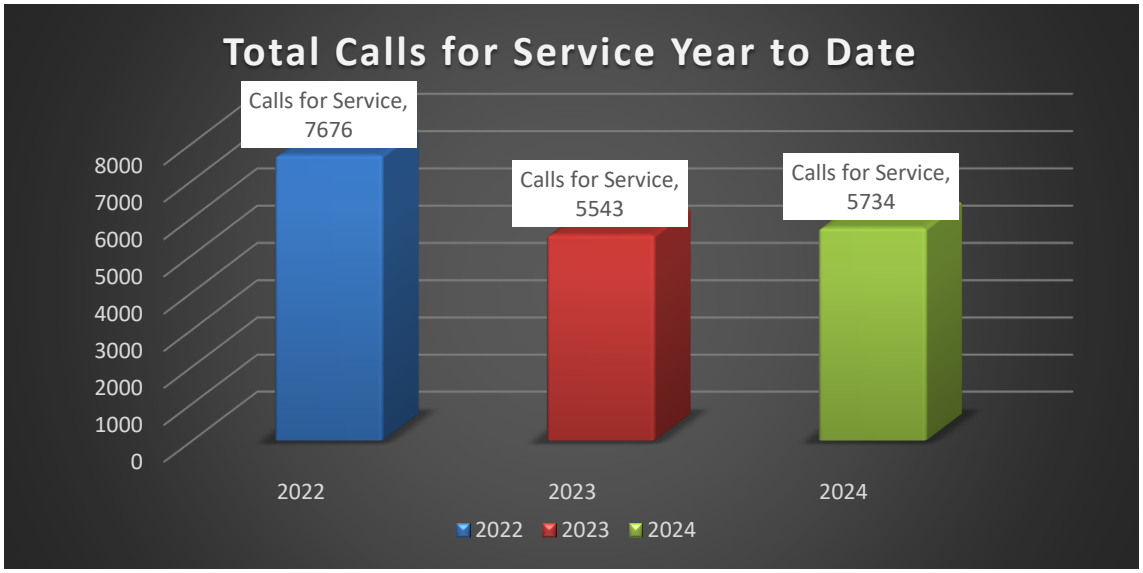
Historical Data:





Colorado Association of Chiefs of Police

TOWN OF ELIZABETH POLICE DEPARTMENT

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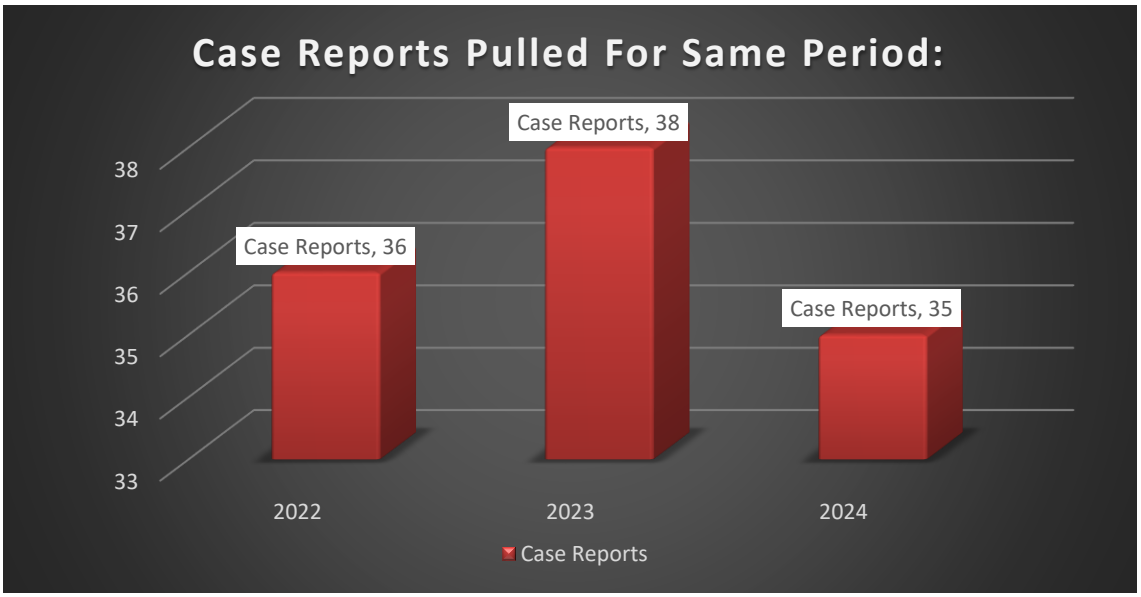

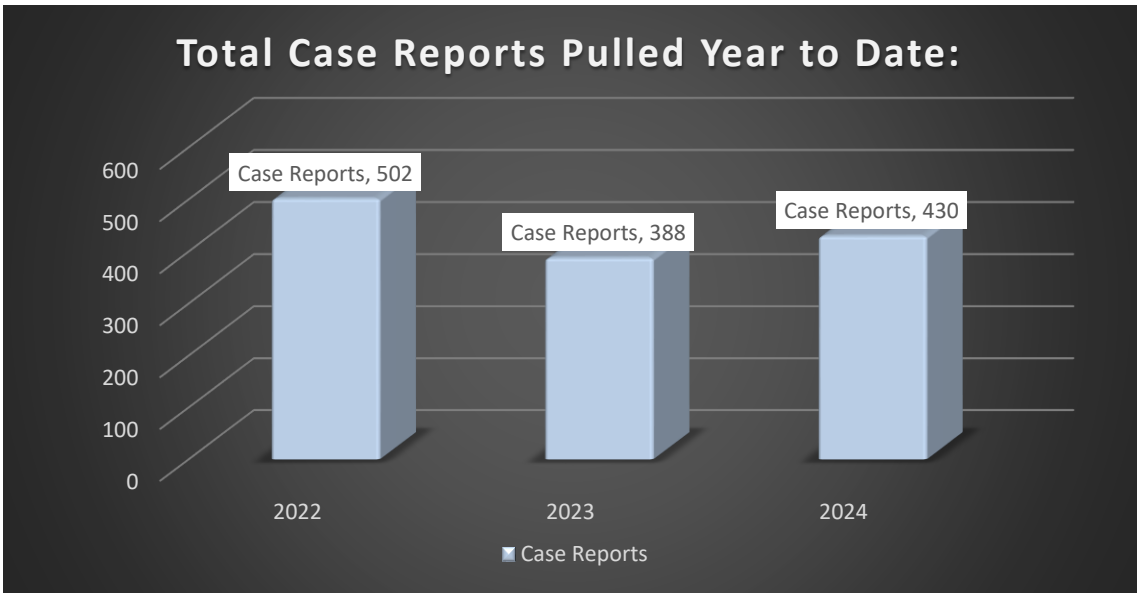

Colorado Association of Chiefs of Police

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: December 10, 2024
SUBJECT: Public Works Monitoring Report

*Town Street Paving Improvements Project:

1. Temporary Pot hole work has been completed in Hillside Subdivision. Additional work will be ongoing as the deeper repairs settle and more asphalt will need to be added.
2. Public Works used 110 tons of asphalt patching material on potholes within Hillside subdivision.
3. Repairs/Warranty work has been concluded on Pearl St., Mobile St., and Chestnut.

*Town Main St. Decorations:

1. Main St. solar street lights are being removed and have been placed at the two new mail kiosk locations.
   Any solar lights from Main St. that are left over will be placed at strategic locations within RC Park for events this coming spring.

*Town Wells, Tanks and Effluent:

1. All three tanks are in operation and typically store between 1.1 million gallons and 1.5 million gallons depending on daily operational needs.
2. Public Works is at 90 percent completion of Operating/Exercising all main line water valves per the state regulations for 2024.

*Town Water Line (NON) Emergency Repair:

N/A

*Town Hall/ Repairs/ Landscaping Plan:

*Town Walkway Repairs:

1. PW has completed numerous repairs to sidewalks at storm drain inlets and removed tripping hazards.

2. Public Works has installed “Chase Drains” at two locations on Blackhaw street where several lots drain across sidewalks at curb and gutter, these will alleviate icing and unsafe walking conditions. Possibly 2 more chase drains will be installed.
1. Public Works continues to repair areas around town.

*Town Street Maintenance/Striping Projects:
1. Public Works continues mowing for the season in Parks, Right of Ways, and Drainages.
2. Street Striping will be completed in the Spring of 2025.

*Town Snow Plowing and Street Sweeping: SNOW ROUTE SEASON IS UPON US
1. The Town Newsletter included Town Plowing Code and Snow Route “NO PARKING” information.
2. PW has been installing new snow route signs in Gold Creek Valley and Legacy Village as time allows.

*Town New Wells at Ritoro/Gold Creek Valley:
1. The new Wells building is complete, and PW is planning an Open House Grand Opening once the land issue has been completed.
2. Landscaping will take place in 2025 depending on item #1. 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.
3. The Back-up Generator (Diesel) that is installed and tested allows Public Works to operate Arapahoe 2 and Denver 2 Wells during any event that electrical service is not available.

*Town Trail Project:
1. PW has completed a walk-through inspection with our reporting Agency Stantec Engineering for guidance after the flooding and the loss of previously planted vegetation, bushes and trees.
2. 2024 Reporting has been sent to CDOT and other agencies. PW is awaiting a decision on course of action(s) that will be required to fulfill our Trail obligations. (#9 below on upcoming projects).

*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 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 water.

1. NO CHANGES AS OF THIS REPORT-On going Project/ The new fine screen replacement unit has been installed. The new screen has been in automated operations for three months with no issues.

2. Just a quick review of the Wastewater Plant: It is designed to treat 500,000 gallons of Raw Sewage per day. Train 1 and Train 2 share that equally. Train 1 currently is treating 190,000-200,000 gallons per day while maintaining our minimal 85% reduction constituent removals (currently 93%-99% removal) that are set by CDPHE in our Permit (excellent test for me as an operator and all equipment). Currently we are operating one Train at basically 80% capacity and operating very well. This is a test never completed before as our available capacity is 500,000 gallons. When the time comes that the wastewater Plant is treating at 80% (400,000 gallon) 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 while completing maintenance of one train. 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. Tree City USA Paperwork has been filed and we are awaiting their acceptance for 2025.

*Town Public Works News

1. Public Works has one empty position in the Water and Wastewater field.
2. Public Works has hired one new employee for the Streets and Parks position. His name is Caden Rocha.

*Town Farmers Market:

1. Event Park Name is Running Creek Park, and the events have ended for the year.
2. Public Works will keep one Porta Potty at RC Park year around until the Depot Parking Lot is completed and bathrooms added at that site.

*Town Parks and Right of Way (ROW):

1. Porta-Potty will remain at Bandt Park parking area for the Winter season.
2. Bandt Park restrooms are now Open for the summer season.
3. Town Parks staff have painted new lines at the Bandt Park Tennis and Basketball courts to allow Pickle Ball enthusiasts to continue to use the park.
4. The concrete trail is complete. Seeding and erosion control is underway. This connects Playground equipment, restrooms, pavilion all to the parking lot at Chestnut St.

Upcoming Projects:

1. PW has begun for 2024-2025 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
10. Trail DOLA findings and Inspections/ Addition of Willow Cuttings Planted
11. PW has begun 2024 Highway User Tax Fund (HUTF) reporting and data processing.
12. PW is completing Lead and Copper testing per CDPHE guidelines for 2023/2024/2025.
13. Flushing of the entire town's water supply system is completed every 6 months.

Mail Kiosk:

1. Public Works will be installing Solar Street Lights at Mail Kiosk in various locations to aid in nighttime safety and mail collections by residents. The solar lights will be removed the second week of September from Main St and relocated to Kiosk area to save money on purchases.
2. Public Works has enhanced the recycled asphalt parking area at the Washington St Mail Kiosk.

Mike DeVol
Town of Elizabeth
Public Works Director
GCWWTP Operations
303-913-6453
mdevol@townofelizabeth.org

December 10, 2024

The Clerk's / Finance report reflects updates provided by individual Staff members.

Hannah

- I have been working with the Police Department and school to find a more effective way to track when officers are at the schools for SRO. We have come up with a pretty good system so far!

Allison

- I have been busy finishing projects and getting final details worked out for the Mayor's Tree Lighting. We should have a wonderful event this year and we are all very excited for it. A lot of work goes into the preparation, but it is all worth it when you see how happy it makes the members of our community.

Harmony

- I have been busy making preparations for year-end items. The turnover of the year is a busy time for boxing up and/or scanning the year's paperwork and preparing files for the new year.
- Holiday office hours are usually pretty quiet. I have utilized the time to clean out a couple more boxes of records to be scanned and/or destroyed. It always feels great to dispose of old musty/dirty files.
- I spent some time with the water department in Public Works training and showing them our long-term records repository, Laserfiche. They have started utilizing the program in storing their records. By having these records in an electronic format, it will make it much easier to search for and find items as needed rather than digging through binders and boxes.

Michelle

- I would like to thank the outgoing board for their years of service, dedication, work, and accomplishments over the last few years.
- I would like to welcome and applaud the incoming board for stepping up to serve the citizens and the town.
- I have been working to keep the outgoing and incoming board members up to date and keep the lines of communication open.
- Last-minute details are being worked on for the upcoming Mayor's Tree Lighting. It appears that the weather is once again going to be beautiful and dry.
- A schedule of regular board meetings has been included with the manager's report.

- Staff is looking forward to their Christmas party on December 13th.

RUNNING CREEK CHAPTER, NSDAR
FORMALLY INVITES YOU
TO ATTEND THE

WREATHS ACROSS AMERICA
CEREMONY AND WREATH LAYING

Honoring the Veterans buried at Elizabeth Colorado Cemetery

Saturday, December 14, 2024

2 PM

Elizabeth Cemetery

RSVP to Gayle Gardner | gtdavis57@msn.com

by December 10, 2024

2025 Calendar (meeting and event dates are subject to change)

January 1 – New Years Day Holiday - Closed

January 9 – Court

January 6 - Historic Advisory Board

January 7 – Planning Commission

January 13 - Main Street Board of Directors

January 14 – Board of Trustees

January 20– MLK Day Holiday - Closed

January 21 – Planning Commission

January 28 – Board of Trustees

- **Workshop**

February 3 – Historic Advisory Board

February 4 – Planning Commission

February 6 – Court

February 7 – Court / Trials

February 10 – Main Street Board of Directors

February 11 – Board of Trustees

- **Possible Board workshop –**

February 17 - Presidents Day Holiday – Closed

February 18 – Planning Commission

February 25 – Board of Trustees

- **Workshop**

DRAFT

March 3 – Historic Advisory Board

March 4 – Planning Commission

March 6 – Court

March 10 – Main Street Board of Directors

March 11- Board of Trustees

March 18 – Planning Commission

March 19 –

- **Staff-wide meeting – 3:00 pm to 4:00 pm**

March 25 – Board of Trustees

- **Workshop**

April 1 – Planning Commission

April 3 – Court

April 4 - Court / Trials

April 7 – Historic Advisory Board

April 8- Board of Trustees

April 14 – Main Street Board of Directors

April 15 – Planning Commission

April 22 – Board of Trustees

- **Workshop**

May 1 – Court

May 5 – Historic Advisory Board

DRAFT

May 6 – Planning Commission

May 12 – Main Street Advisory Board

May 13 - Board of Trustees

May 17 –

- **Town Clean Up Day**

May 20 - Planning Commission

May 26 – Memorial Day Holiday - Closed

May 27 – Board of Trustees

- **Workshop**

June 2 – Historic Advisory Board

June 3 – Planning Commission

June 5 – Court

June 6 – Court / Trials

June 7 –

- **Elizabash**

June 9- Main Street Board of Directors

June 10 – Board of Trustees

June 13 –

- **Friday Night Market Kick off of Summer**

June 17 – Planning Commission

June 20–

- **Friday Night Market**

June 24 – Board of Trustees

- **Workshop**

DRAFT

June 27 –
- **Friday Night Market**

July 1 – Planning Commission

July 3 – Court

July 4 – July 4th Holiday - Closed

July 4 –
- **Friday Night Market**

July 7 – Historic Advisory Board

July 8- Board of Trustees

July 11-
- **Friday Night Market**

July 14 – Main Street Board of Directors

July 15- Planning Commission

July 18-
- **Friday Night Market**

July 19- Budget Workshop 9:00 am – 12:00 pm

July 22 – Board of Trustees
- **Workshop**

July 25 –
- **Friday Night Market**

August 1 –
- **Friday Night Market**

August 4 – Historic Advisory Board

August 5 – Planning Commission

DRAFT

August 7 – Court

August 8 – Court/Trials

August 8-

- **Friday Night Market**

August 11 – Main Street Board of Directors

August 12 – Board of Trustees

August 15 –

- **Last - Friday Night Market**

August 19 – Planning Commission

August 26 – Board of Trustees

- **Workshop**

September 1- Labor Day Holiday – Closed

September 2 – Planning Commission

September 4 - Court

September 8 –

- **Main Street Board of Directors**
- **Historic Advisory Board Meeting**

September 9 –Board of Trustees

September 13 –

- **Main Street 5k**
- **Protectors of Elizabeth / Chili Cookoff**

September 16 – Planning Commission

September 20-

- **Birthday Bash Movie Night 7:00 pm**

September 23 – Board of Trustees

- **Workshop**

DRAFT

September 27 –

- Elizabeth Walk and Talk

October 2 – Court

October 3 - Court/Trials

October 6– Historic Advisory Board

October 7 – Planning Commission

October 13 – Main Street Board of Directors

October 14– Board of Trustees

October 21 – Planning Commission

October 15 –

- Draft budget due to Board and available online

October 28 – Board of Trustees

- **Workshop**

October 25 –

- Harvest Festival

November 3 – Historic Advisory Board

November 4 – Planning Commission may need to cancel/reschedule due to elections

November 6 – Court

November 10 - Main Street Board of Directors

November 11 – Veterans Day Holiday - Closed

November 11 – Board of Trustees

November 18 – Planning Commission

November 25 – Board of Trustees -RESCHEDULE?

DRAFT

November 27-28 –Thanksgiving Holiday - Closed

December 1 – Historic Advisory Board

December 2 – Planning Commission

December 4- Court

December 5 – Court/Trials

December 6 -

- **Mayor's Tree Lighting**

December 8 – Main Street Board of Directors

December 9 – Board of Trustees

December 16 – Planning Commission

December 23 – Board of Trustees CANCELED

December 25th and 26th - Christmas Holiday - Closed

January 1 – New Year's Day Holiday - Closed

Legend
Black – Board of Trustees
Purple – Town Holiday's
Pink – Town Events
Green – Staff Meetings / Events
Orange – Events in Town
Olive – Planning Commission
Light Blue – Historic Advisory Board
Aqua – Main Street Board of Directors
Red - Court / Trials

DRAFT

PLANNING COMMISSION – RECORD OF PROCEEDINGS
August 6, 2024

CALL TO ORDER
The Regular Meeting of the Elizabeth Planning Commission was called to order on Tuesday, August 6, 2024, at 6:31 PM by Chair George Fick.

ROLL CALL
Present were Chair George Fick, Vice Chair Amy Schmidt, and Commissioners Greg Lindbloom, Shawn Sommer, Cynthia Thye, and Ed Beard. Commissioners Julie Uhernik and Jim Santangelo 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 July 2, 2024

Motion by Commissioner Thye, 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. Ordinance 24-06, Amending Chapter 16 of the Elizabeth Municipal Code

Ms. Cramer provided a Staff report.

Grace Erickson with Providence Consulting representing the applicant, Turn 2 Development, LLC, introduced herself.

Chair Fick opened the Hearing to Public Comment.

Mark Trahan – Town of Elizabeth resident
Angela Anderson – Town of Elizabeth resident

Chair Fick closed the Public Hearing and reopened the Regular Meeting at 6:47 PM

NEW BUSINESS

3. Discussion and possible action on recommendation to the Board of Trustees to approve the rezoning of 889 S Elizabeth Street

Motion by Commissioner Lindbloom, seconded by Vice Chair Schmidt, to recommend approval regarding the rezoning of 889 S Elizabeth Street to the Board of Trustees.
The vote of those Commissioners present was 5 in favor and 0 opposed. Motion carried.

Chair Fick closed the Regular Meeting and opened the Public Hearing at 6:58 PM.

PUBLIC HEARING

4. Ordinance 24-10, E-86 PUD Amendment

Ms. Cramer provided a Staff report.

John Prestwich representing the applicant, Jim Marshall, introduced himself.

Chair Fick opened the Hearing to Public Comment.

Tracy Hutchins – Town of Elizabeth resident
Mark Trahan – Town of Elizabeth resident
Angela Ternus – Town of Elizabeth resident
Angela Anderson – Town of Elizabeth resident
Paul Schwarzkopf – Town of Elizabeth resident

Chair Fick closed the Public Hearing and reopened the Regular Meeting at 7:18 PM.

NEW BUSINESS

5. Discussion and possible action on recommendation to the Board of Trustees to approve Ordinance 24-10, an Ordinance Amending the Planned Unit Development (PUD) Zoning for the Property Generally Known as the E-86 PUD

Motion by Vice Chair Schmidt, seconded by Commissioner Lindbloom, to recommend approval of Ordinance 24-10, an Ordinance Amending the Planned Unit Development (PUD) Zoning for the Property Generally Known as the E-86 PUD, to the Board of Trustees
The vote of those Commissioners present was 0 in favor and 5 opposed. All Commissioners present opposed. Motion did not pass.

STAFF REPORT

- Community Development Director Higgins provided updates regarding:
  - Streetscape
  - Historic Advisory Board's oral histories
  - GOCO Grant
  - Neighborhood Block Parties
  - Town Hall Interns
  - RFP for the Gesin Lot

COMMISSIONER REPORTS

There were no Commissioner Reports

ADJOURNMENT

Motion by Commissioner Thye, seconded by Vice Chair Schmidt, to adjourn the meeting at 7:37 PM. The vote of those Commissioners present was unanimously in favor. Motion carried.

Chair George Fick

Town Clerk Michelle Oeser

HISTORIC ADVISORY BOARD – RECORD OF PROCEEDINGS
November 4, 2024

CALL TO ORDER
The Regular Meeting of the Historic Advisory Board was called to order on Monday, November 4, 2024, at 4:36 PM by Chair John Quest.

ROLL CALL
Present were Chair John Quest, Vice Chair Aimee Woodall, and Board Members Dennis Rodriguez, and Jacque Hallett. Historian Bob Rasmussen and Member Lynn Mitchell were absent. There was a quorum to conduct business.

Also present were Community Development Director Zach Higgins, Planner/Project Manager Alexandra Cramer, Planning Technician Dianna Hiatt, and Town Clerk Michelle Oeser.

PUBLIC COMMENT
Gayle Gardner – Town of Elizabeth Resident.

AGENDA CHANGES
No agenda changes from Staff.

No agenda changes by the Board.

Agenda set.

CONSENT AGENDA
1. Minutes of the Regular Meeting of October 9, 2024

Motion by Vice Chair Woodall, 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 regarding a Facade Grant Application Proposal

Ms. Cramer provided a Staff report. Janet and John Taylor were present as the property owners. Discussion followed.

STAFF REPORT
- Planner/Project Manager Cramer provided updates regarding:
  - Update on Historian Rasmussen and Member Mitchell's oral history project.

- Update on Greater Elizabeth Parks, Trails, and Open Space Master Plan (PROST).
- A joint workshop is scheduled with the Board of Trustees on December 10, 2024, at 6:00 PM.
- Savings Places Conference will be held in Colorado Springs from January 29 – February 1, 2025.

BOARD REPORTS

- No reports from the Board.

ADJOURNMENT

Motion by Mr. Rodriguez, seconded by Ms. Hallet, to adjourn the meeting at 4:51 PM. The vote of those Board Members present was unanimously in favor. Motion carried.

Chair John Quest

Deputy Town Clerk Harmony Malakowski

TOWN OF ELIZABETH INCORPORATED SEAL SEPTEMBER 24 1890 ELBERT COUNTY COLORADO

PLANNING COMMISSION – RECORD OF PROCEEDINGS
November 19, 2024

CALL TO ORDER
The Regular Meeting of the Elizabeth Planning Commission was called to order on Tuesday, November 19, 2024, at 6:31 PM by Chair George Fick.

ROLL CALL
Present were Chair George Fick, Vice Chair Amy Schmidt, and Commissioners Shawn Sommer, Julie Uhernik, Jim Santangelo, and Ed Beard. Commissioners Greg Lindbloom and Cynthia Thye were not present. There was a quorum to conduct business.

Also present were Community Development Director Zach Higgins, Planner/Project Manager Alexandra Cramer, and Town Clerk Michelle Oeser.

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 Santangelo, 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 6:33 PM.

PUBLIC HEARING
2. Ordinance 24-14, Amending Code Regarding Use by Special Review Approvals

Ms. Cramer provided a Staff report.
Chair Fick opened the Hearing to Public Comment. There was no comment.

Chair Fick closed the Public Hearing and reopened the Regular Meeting at 6:35 PM

NEW BUSINESS

3. Discussion and possible action on recommendation to the Board of Trustees approval of Ordinance 24-14, an Ordinance Repealing and Reenacting Section 16-9-30 of the Town of Elizabeth Municipal Code Regarding Use by Special Review Approvals

Discussion by the Board and Staff.

Motion by Commissioner Sommers, seconded by Commissioner Santangelo, to recommend approval of Ordinance 24-14, an Ordinance Repealing and Reenacting Section 16-9-30 of the Town of Elizabeth Municipal Code Regarding Use by Special Review Approvals.

The vote of those Commissioners present was 5 in favor and 0 opposed. Motion carried.

STAFF REPORT

- Community Development Director Higgins provided updates regarding:
  - Streetscape
  - Main Street Archway
  - Projects coming up for review

COMMISSIONER REPORTS

Chair Fick congratulated Mr. Higgins on his new job.

ADJOURNMENT

Motion by Vice Chair Schmidt, seconded by Commissioner Santangelo, to adjourn the meeting at 6:48 PM. The vote of those Commissioners present was unanimously in favor. Motion carried.

Chair George Fick

Deputy Town Clerk Harmony Malakowski

TOWN OF ELIZABETH INCORPORATED SEAL SEPTEMBER 24 1890 ELBERT COUNTY COLORADO