

Community & Economic
Development Department
www.adcogov.org



4430 South Adams County Parkway
1st Floor, Suite W2000B
Brighton, CO 80601-8218
PHONE 720.523.6880
FAX 720.523.6967
EMAIL: epermitcenter@adcogov.org

REQUEST FOR COMMENTS

Case Name:	Tapia Residences Subdivision and Rezoning
Case Number:	PRC2024-00003

July 23, 2024

The Adams County Community and Economic Development Department is requesting comments on the following applications: **1. Zoning Map Amendment (Rezoning) of approximately 39 acres to Agricultural-2 from Agricultural-3; 2. Major subdivision preliminary plat to create three lots in the Agricultural-2 zone district.** The address of the request is: 7190 Converse Rd. The Assessor's Parcel Number is 0181503200006. The applicant is: The Meyer Richard W Family Trust, C/O Tim Meyer, PO Box 303, Kiowa, CO 80117-0303.

Please forward any written comments on this application to the Community and Economic Development Department at 4430 South Adams County Parkway, Suite W2000A Brighton, CO 80601-8216 or call (720) 523-6949 by **August 13, 2024** in order that your comments may be taken into consideration in the review of this case. If you would like your comments included verbatim please send your response by way of e-mail to LCampbell@adcogov.org.

For further information regarding this case, please contact the Community and Economic Development Department, 4430 S. Adams County Pkwy., Brighton CO 80601, (720) 523-6800. The full text of the proposed request and additional colored maps can be obtained by contacting this office or by accessing the Adams County web site at www.adcogov.org/current-land-use-cases. Thank you for your review of this case.

Lia Campbell
Planner II

BOARD OF COUNTY COMMISSIONERS

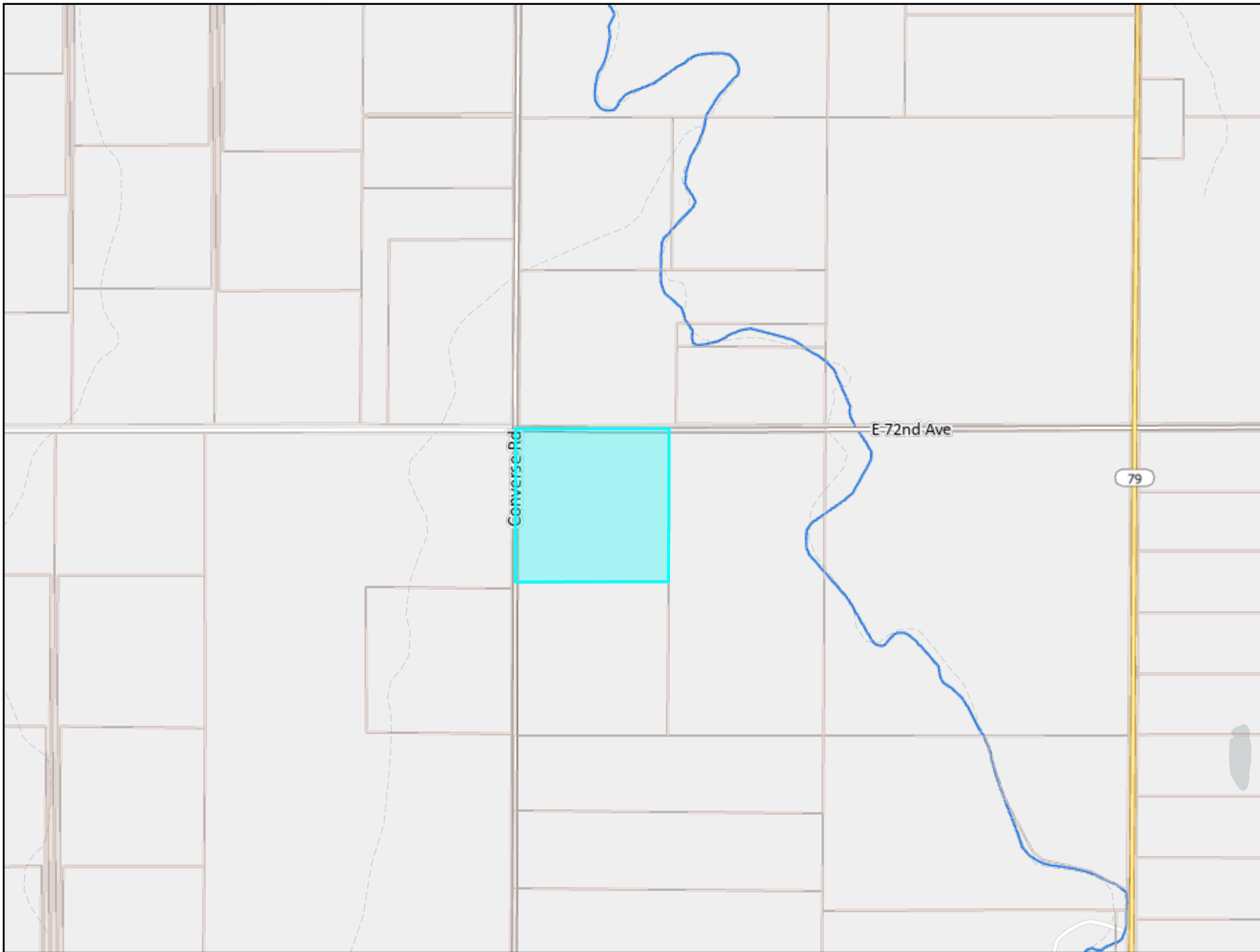
Eva J. Henry
DISTRICT 1

Charles "Chaz" Tedesco
DISTRICT 2

Emma Pinter
DISTRICT 3

Steve O'Dorisio
DISTRICT 4

Lynn Baca
DISTRICT 5



Legend

- +— Railroad
- Major Water
- - - Zoning Line
- ▭ Sections

Case Name Tapia Residences Subdivision and Rezoning

Case Number PRC2024-00003





FINAL PLAT

(MINOR SUBDIVISION)

A minor subdivision shall only be used to divide parcels of less than twenty (20) acres into four (4) or fewer lots. Minor subdivisions are processed through this application for final plat. Two public hearings are required in the processing of this application. A separate application for Subdivision Engineering Review must be filed in addition to this application for final plat.

Please include this page with your submittal. Submittal instructions and more information about checklist items can be found on pages 2-3.

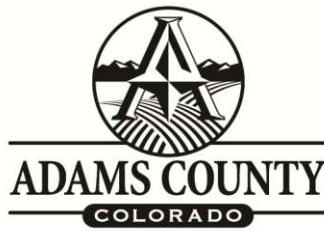
Required Checklist Items

- Development Application Form
- Written Explanation
- Final Plat
- Legal Description
- Conceptual Site Plan
- Proof of Ownership
- Proof of Water and Sewer Services
- Proof of Utilities
- Certificate of Taxes Paid
- Receipt of Payment to Colorado Geological Survey

Discretionary Checklist Items

- School Impact Analysis
- Subdivision Engineering Review Application. If already filed, please identify the case number here:

Fees Due When Application is Deemed Complete	
Minor Subdivision (final plat)	• \$1,600



Application Type:

<input type="checkbox"/> Conceptual Review	<input type="checkbox"/> Preliminary PUD	<input type="checkbox"/> Temporary Use
<input type="checkbox"/> Subdivision, Preliminary	<input type="checkbox"/> Final PUD	<input type="checkbox"/> Variance
<input checked="" type="checkbox"/> Subdivision, Final	<input type="checkbox"/> Rezone	<input type="checkbox"/> Conditional Use
<input type="checkbox"/> Plat Correction/ Vacation	<input type="checkbox"/> Special Use	<input type="checkbox"/> Other: _____

PROJECT NAME:

APPLICANT

Name(s): Phone #:

Address:

City, State, Zip:

2nd Phone #: Email:

OWNER

Name(s): Phone #:

Address:

City, State, Zip:

2nd Phone #: Email:

TECHNICAL REPRESENTATIVE (Consultant, Engineer, Surveyor, Architect, etc.)

Name: Phone #:

Address:

City, State, Zip:

2nd Phone #: Email:

DESCRIPTION OF SITE

Address:

City, State, Zip:

Area (acres or square feet):

Tax Assessor Parcel Number

Existing Zoning:

Existing Land Use:

Proposed Land Use:

Have you attended a Conceptual Review? YES NO

If Yes, please list PRE#:

I hereby certify that I am making this application as owner of the above described property or acting under the authority of the owner (attached authorization, if not owner). I am familiar with all pertinent requirements, procedures, and fees of the County. I understand that the Application Review Fee is non-refundable. All statements made on this form and additional application materials are true to the best of my knowledge and belief.

Name:

Date:

Owner's Printed Name

Name:

Owner's Signature



REZONING

(ZONING MAP AMENDMENT)

A rezoning (zoning map amendment) is a public process that changes a property's zone district.

Please include this page with your submittal. Submittal instructions and more information about checklist items can be found on page 2.

- Development Application Form (pg. 4)
- Written Narrative
- Site Plan
- Proof of Ownership
- Proof of Water and Sewer Services
- Legal Description
- Statement of Taxes Paid
- Trip Generation Analysis

Supplemental items may be needed on a case-by-case basis. ***Email documentation will be required if supplemental items are deemed unnecessary.**

- Please contact the Planner of the Day (CEDD-POD@adcogov.org) to determine whether a Neighborhood Meeting is necessary.
- Please contact the Engineer of the Day (CEDD-ENG@adcogov.org) to determine whether a Level 1 Storm Drainage Study is necessary.

Applications Fees	Amount	Due
Application	\$1,500	After complete application received
Adams County Health	\$210 (public utilities -TCHD Level 2) \$360 (individual septic -TCHD Level 3)	After complete application received



Application Type:

<input type="checkbox"/> Conceptual Review	<input type="checkbox"/> Preliminary PUD	<input type="checkbox"/> Temporary Use
<input type="checkbox"/> Subdivision, Preliminary	<input type="checkbox"/> Final PUD	<input type="checkbox"/> Variance
<input type="checkbox"/> Subdivision, Final	<input checked="" type="checkbox"/> Rezone	<input type="checkbox"/> Conditional Use
<input type="checkbox"/> Plat Correction/ Vacation	<input type="checkbox"/> Special Use	<input type="checkbox"/> Other: _____

PROJECT NAME:

APPLICANT

Name(s): Phone #:

Address:

City, State, Zip:

2nd Phone #: Email:

OWNER

Name(s): Phone #:

Address:

City, State, Zip:

2nd Phone #: Email:

TECHNICAL REPRESENTATIVE (Consultant, Engineer, Surveyor, Architect, etc.)

Name: Phone #:

Address:

City, State, Zip:

2nd Phone #: Email:

DESCRIPTION OF SITE

Address:

City, State, Zip:

Area (acres or square feet):

Tax Assessor Parcel Number

Existing Zoning:

Existing Land Use:

Proposed Land Use:

Have you attended a Conceptual Review? YES NO

If Yes, please list PRE#:

I hereby certify that I am making this application as owner of the above described property or acting under the authority of the owner (attached authorization, if not owner). I am familiar with all pertinent requirements, procedures, and fees of the County. I understand that the Application Review Fee is non-refundable. All statements made on this form and additional application materials are true to the best of my knowledge and belief.

Name:

Date:

Owner's Printed Name

Name:

Owner's Signature



September 12, 2023

David DeBoskey, AICP, Planner II
Adams County Community & Economic Development
4430 S. Adams County Pkwy, Suite W2000A
Brighton, CO 80601

RE: Written Explanation of Project
Tapia Residences
2N Civil Project No: 23004

This letter serves to explain the proposed project located at 47790 E 72nd Ave. in Bennett, Colorado. The site lies in the southeast corner of the intersection of N Converse Rd. and E 72nd Ave., approximately 0.5 miles west of Kiowa-Bennett Rd. The subject parcel is part of Section 3, Township 3 South, Range 63 West of the 6th Principal Meridian, County of Adams, State of Colorado.

The existing 39.1-acre site is currently vacant land consisting of native grasses. It is currently zoned A-3, with the intent to rezone to A-2.

The proposed design is to subdivide the parcel into three separate single-family lots. Each consisting of a minimum of 10-acres. Houses and driveways will eventually be built on each of the three lots. Each home will be served by on-site well and septic. It is possible that future accessory buildings will be added.

The project is set to begin late-2023 and conclude with all approvals by early of 2024. It is anticipated that the first home will be built in early 2024.

Conclusion

The property will be rezoned, subdivided and single-family homes constructed.

Respectfully,

A handwritten signature in black ink, appearing to read 'Ryan Eichele'.

Ryan Eichele, PE
Project Manager
2N Civil, LLC

Adams County

Agricultural Property Profile

Parcel Number: 0181503200006

Owners Name and Address:	Property Address:
ALAMILLO EMMA AND ALAMILLO JUAN TAPIA 4936 FRASER WAY DENVER CO 80239-4265	7190 CONVERSE RD

Account Summary

Legal Description

SECT,TWN,RNG:3-3-63 DESC: A PARC OF LAND LOCATED IN THE NW4 OF THE NW4 OF SEC 3 BEING MORE PARTICULARLY DESC AS FOLS BEG AT THE NW COR OF SD SEC 3 AND CONSIDERING THE W LN OF THE NW4 OF SD SEC 3 TO BRS S 00D 08M 24S W WITH ALL BRNG CONTAINED HEREIN RELATIVE THERETO TH S 00D 08M 24S W A DIST OF 1301/44 FT TO THE N 16TH COR BET SEC 3 & 4 TH N 89D 50M 40S E ALG THE S LN OF THE NW4 OF THE NW4 OF SD SEC 3 A DIST OF 1307/12 FT TO A PT ON THE W LN OF A PARC OF PROP AS DESC IN DOCUMENT RECORDED JAN 31 2019 REC NO 2019000007689 TH N 00D 12M 57S E ALG SD W LN A DIST OF 1299/75 FT TO A PT ON THE N LN OF THE NW4 OF THE NW4 OF SD SEC 3 TH S 89D 55M 09S W ALG SD N LN A DIST OF 1308/85 FT TO SD NW COR OF SEC 3 AND THE POB 39/05A

Subdivision Plat

N/A

Account Summary

Account Numbers	Date Added	Tax District	Mill Levy
R0208302	10/13/2021	392	69.000

Permits

Permit Cases

[ACC2021-00215](#)

Sales Summary

Sale Date	Sale Price	Deed Type	Reception Number	Book	Page	Grantor	Grantee	Doc. Fee	Doc. Date
04/09/2021	\$200,000.00	WD	2021000049516			MEYER RICHARD W FAMILY TRUST THE, C/O TIM MEYER	ALAMILLO EMMA AND, ALAMILLO JUAN TAPIA	\$20	04/22/2021

Click [here](#) to go to Clerk / Recorder search page

Valuation Summary

Land Valuation Summary

Account Number	Land Type	Unit of Measure	Number of Units	Fire District	School District	Vacant/Improved	Actual Value	Assessed Value
R0208302	Agricultural	Acres	39.0532	FIRE DISTRICT 7 BENNETT	School District 29-Bennett	V	\$4,995.00	\$1,320.00
Land Subtotal:							\$4,995.00	\$1,320.00

Improvements Valuation Summary

Account Number	Actual Value	Assessed Value
R0208302	0	0
Improvements Subtotal:	0	0

Total Property Value	\$4,995.00	\$1,320.00
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Building Summary

NO BUILDING RECORDS FOUND

Tax Summary

Click [here](#) to go to Treasurer's search page

Enterprise Zone Summary

Property within Enterprise Zone

False

Precincts and Legislative Representatives Summary

Precinct

245

Commissioner Representative

Commissioner District	Link to Representative
5	Click Here

State House Representative

House District	Link to Representative
56	Click Here

State Senate Representative

Senate District	Link to Representative
21	Click Here

US Congress Representative

Congressional District	Link to Representative
4	Click Here

Zoning Summary

Zoning Summary

Zoning Authority	Zoning
Adams County	A-3

Note: Data is updated daily. Above data was updated as of: 02/10/23

Legal Disclaimer: Although every reasonable effort has been made to ensure the accuracy of the public information data and graphic representations, Adams County cannot be responsible for consequences resulting from any omissions or errors contained herein. Adams County assumes no liability whatsoever associated with the use or misuse of this data



TREASURER & PUBLIC TRUSTEE

ADAMS COUNTY, COLORADO

Certificate Of Taxes Due

Account Number R0194736
 Parcel 0181503200005
 Assessed To
 MEYER RICHARD W FAMILY TRUST THE
 C/O: C/O TIM MEYER
 PO BOX 303
 KIOWA, CO 80117-0303

Certificate Number 2021-180258
 Order Number
 Vendor ID 35
 BLACK KNIGHT FINANCIAL SERVICE
 601 RIVERSIDE AVE.
 JACKSONVILLE, FL 32204

Legal Description	Situs Address
SECT,TWN,RNG:3-3-63 DESC: NW4 EXC PARCEL (B1 PG5089 SURVEY) 78/6993A	47790 E 72ND AVE

Year	Tax	Interest	Fees	Payments	Balance
Tax Charge					
2020	\$236.10	\$0.00	\$0.00	\$0.00	\$236.10
Total Tax Charge					\$236.10
Grand Total Due as of 03/03/2021					\$236.10

Tax Billed at 2020 Rates for Tax Area 392 - 392

Authority	Mill Levy	Amount	Values	Actual	Assessed
RANGEVIEW LIBRARY DISTRICT	3.6700000	\$12.92	AG DRY FARMING LAND	\$12,137	\$3,520
FIRE DISTRICT 7 - BENNETT	13.0700000	\$46.00	Total	\$12,137	\$3,520
ADAMS COUNTY	26.8970000	\$94.67			
LOST CREEK GROUND WATER	0.9450000	\$3.33			
SD 29 GENERAL (Bennett)	22.4940000*	\$79.18			
<hr/>					
Taxes Billed 2020	67.0760000	\$236.10			
* Credit Levy					

ALL TAX SALE AMOUNTS ARE SUBJECT TO CHANGE DUE TO ENDORSEMENT OF CURRENT TAXES BY THE LIENHOLDER OR TO ADVERTISING AND DISTRAINT WARRANT FEES. CHANGES MAY OCCUR; PLEASE CONTACT THE TREASURY PRIOR TO MAKING A PAYMENT AFTER AUGUST 1. TAX LIEN SALE REDEMPTION AMOUNTS MUST BE PAID BY CASH OR CASHIER'S CHECK.

SPECIAL TAXING DISTRICTS AND THE BOUNDARIES OF SUCH DISTRICTS MAY BE ON FILE WITH THE BOARD OF COUNTY COMMISSIONERS, THE COUNTY CLERK, OR, THE COUNTY ASSESSOR.

This certificate does not include land or improvements assessed under a separate account number, personal property taxes, transfer tax, or, miscellaneous tax collected on behalf of other entities, special or local improvement district assessments, or mobile homes, unless specifically mentioned.

I, the undersigned, do hereby certify that the entire amount of taxes due upon the above described parcels of real property and all outstanding lien sales for unpaid taxes as shown by the records in my office from which the same may still be redeemed with the amount required for redemption are as noted herein. In witness whereof, I have hereunto set my hand and seal.

TREASURER & PUBLIC TRUSTEE, ADAMS COUNTY, Lisa L. Culpepper,
 J.D.

Treasurer, Adams County, Lisa L. Culpepper J.D.



4430 S. Adams County Parkway
 Brighton, CO 80601



**Land Title Guarantee Company
Customer Distribution**



PREVENT FRAUD - Please remember to call a member of our closing team when initiating a wire transfer or providing wiring instructions.

Order Number: **K70710576-2**

Date: **03/05/2021**

Property Address: **000 EAST 72ND AVENUE, BENNETT, CO 80102**

PLEASE CONTACT YOUR CLOSER OR CLOSER'S ASSISTANT FOR WIRE TRANSFER INSTRUCTIONS

For Closing Assistance

Kristen Mahrholz
4949 SOUTH NIAGARA STREET #200
DENVER, CO 80237
(720) 529-1607 (Work)
(303) 393-3953 (Work Fax)
kmahrholz@ltgc.com
Company License: CO44565

Closers Assistant

Cherie Nielsen
4949 SOUTH NIAGARA STREET #200
DENVER, CO 80237
(720) 529-1619 (Work)
(303) 393-3953 (Work Fax)
cnielsen@ltgc.com
Company License: CO44565

For Title Assistance

Land Title Residential Title Team
5975 GREENWOOD PLAZA BLVD
GREENWOOD VILLAGE, CO 80111
(303) 850-4141 (Work)
(303) 393-4823 (Work Fax)
response@ltgc.com

Buyer/Borrower

EMMA ALAMILLO AND JUAN TAPIA ALAMILLO
Delivered via: Electronic Mail

Agent for Buyer

REALTY ONE GROUP PREMIER
Attention: ROB GONZALEZ
8600 PARK MEADOWS DR #300
LONE TREE, CO 80124
(303) 798-4300 (Work)
vipropllc@gmail.com
Delivered via: Electronic Mail

Seller/Owner

MEYER FAMILY TRUST
Attention: TIM AND TRACY MEYER
Delivered via: Electronic Mail

Agent for Seller

WHITETAIL PROPERTIES REAL ESTATE LLC
Attention: DANIEL HUNNING
FORT COLLINS, CO 80525
(970) 227-1230 (Work)
daniel.hunning@whitetailproperties.com
Delivered via: Electronic Mail



**Land Title Guarantee Company
Estimate of Title Fees**

Order Number: **K70710576-2** Date: **03/05/2021**
Property Address: **000 EAST 72ND AVENUE, BENNETT, CO 80102**
Parties: **EMMA ALAMILLO AND JUAN TAPIA
ALAMILLO
THE RICHARD W. MEYER FAMILY TRUST**

Visit Land Title's Website at www.ltgc.com for directions to any of our offices.

Estimate of Title insurance Fees	
"ALTA" Owner's Policy 06-17-06	\$1,318.00
Deletion of Standard Exception(s)	\$75.00
Tax Certificate	\$26.00
	Total \$1,419.00
If Land Title Guarantee Company will be closing this transaction, the fees listed above will be collected at closing.	
Thank you for your order!	

Note: The documents linked in this commitment should be reviewed carefully. These documents, such as covenants conditions and restrictions, may affect the title, ownership and use of the property. You may wish to engage legal assistance in order to fully understand and be aware of the implications of the effect of these documents on your property.

Chain of Title Documents:

[Adams county recorded 01/31/2019 under reception no. 2019000007687](#)

[Adams county recorded 01/31/2019 under reception no. 2019000007686](#)

[Adams county recorded 01/31/2019 under reception no. 2019000007425](#)

[Adams county recorded 06/03/2016 under reception no. 2016000043602](#)

[Adams county recorded 04/01/2005 under reception no. 20050401000335750](#)

[Adams county recorded 05/04/2001 under reception no. 795906](#)

[Adams county recorded 10/13/1999 under reception no. 601756](#)

[Adams county recorded 12/07/1982 under reception no. 409007](#)

[Adams county recorded 01/15/1946 under reception no. 298757](#)

[Adams county recorded 12/18/1941 under reception no. 265804](#)

[Adams county recorded 03/02/1928 under reception no. 139900](#)

ALTA COMMITMENT
Old Republic National Title Insurance Company
Schedule A

Order Number: K70710576-2

Property Address:

000 EAST 72ND AVENUE, BENNETT, CO 80102

1. Effective Date:

02/25/2021 at 5:00 P.M.

2. Policy to be Issued and Proposed Insured:

"ALTA" Owner's Policy 06-17-06

\$200,000.00

Proposed Insured:

EMMA ALAMILLO AND JUAN TAPIA ALAMILLO

3. The estate or interest in the land described or referred to in this Commitment and covered herein is:

A FEE SIMPLE

4. Title to the estate or interest covered herein is at the effective date hereof vested in:

THE RICHARD W. MEYER FAMILY TRUST

5. The Land referred to in this Commitment is described as follows:

THE NORTHWEST ONE-QUARTER OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 63 WEST OF THE 6TH PRINCIPAL MERIDIAN, COUNTY OF ADAMS, STATE OF COLORADO.

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ALTA COMMITMENT

Old Republic National Title Insurance Company

Schedule B, Part I

(Requirements)

Order Number: K70710576-2

All of the following Requirements must be met:

This proposed Insured must notify the Company in writing of the name of any party not referred to in this Commitment who will obtain an interest in the Land or who will make a loan on the Land. The Company may then make additional Requirements or Exceptions.

Pay the agreed amount for the estate or interest to be insured.

Pay the premiums, fees, and charges for the Policy to the Company.

Documents satisfactory to the Company that convey the Title or create the Mortgage to be insured, or both, must be properly authorized, executed, delivered, and recorded in the Public Records.

1. PROVIDE LAND TITLE GUARANTEE COMPANY WITH A CURRENT IMPROVEMENT SURVEY PLAT OF SUBJECT PROPERTY. THIS REQUIREMENT IS NECESSARY TO PROVIDE EXACT LEGAL DESCRIPTION OF SUBJECT PROPERTY. UPON REVIEW, ADDITIONAL REQUIREMENTS AND/OR EXCEPTIONS MAY BE NECESSARY.

NOTE: ANY MATTERS DISCLOSED BY SAID IMPROVEMENT SURVEY PLAT WILL BE REFLECTED ON SAID POLICY(S) TO BE ISSUED HEREUNDER.

NOTE: LAND TITLE IS NOT RESPONSIBLE FOR ORDERING SAID IMPROVEMENT SURVEY PLAT.

2. WRITTEN CONFIRMATION THAT THE INFORMATION CONTAINED IN STATEMENT OF AUTHORITY FOR THE RICHARD W. MEYER FAMILY TRUST RECORDED JANUARY 31, 2019 AT RECEPTION NO. [2019000007688](#) IS CURRENT.

NOTE: SAID INSTRUMENT DISCLOSES TIMOTHY S. MEYER AND TRACY A. BIDDULPH A/K/A TRACY A. MEYER AS THE TRUSTEES AUTHORIZED TO EXECUTE INSTRUMENTS CONVEYING, ENCUMBERING OR OTHERWISE AFFECTING TITLE TO REAL PROPERTY ON BEHALF OF SAID ENTITY. IF THIS INFORMATION IS NOT ACCURATE, A CURRENT STATEMENT OF AUTHORITY MUST BE RECORDED.

3. FURNISH TO LAND TITLE GUARANTEE COMPANY THOSE SECTIONS OF THE FULLY EXECUTED TRUST AGREEMENT FOR THE RICHARD W. MEYER FAMILY TRUST THAT DISCLOSE WHO MAY CONVEY, ACQUIRE, ENCUMBER, LEASE OR OTHERWISE DEAL WITH INTERESTS IN REAL PROPERTY FOR SAID ENTITY.

NOTE: ADDITIONAL REQUIREMENTS MAY BE NECESSARY UPON REVIEW OF THIS DOCUMENTATION.

4. WARRANTY DEED FROM THE RICHARD W. MEYER FAMILY TRUST TO EMMA ALAMILLO AND JUAN TAPIA ALAMILLO CONVEYING SUBJECT PROPERTY.

ALTA COMMITMENT

Old Republic National Title Insurance Company

Schedule B, Part I

(Requirements)

Order Number: K70710576-2

All of the following Requirements must be met:

REQUIREMENTS TO DELETE THE PRE-PRINTED EXCEPTIONS IN THE OWNER'S POLICY TO BE ISSUED

A. UPON RECEIPT BY THE COMPANY OF A SATISFACTORY FINAL AFFIDAVIT AND AGREEMENT FROM THE SELLER AND PROPOSED INSURED, AND A IMPROVEMENT LOCATION CERTIFICATE OF THE LAND, ITEMS 1-4 OF THE PRE-PRINTED EXCEPTIONS WILL BE DELETED. ANY ADVERSE MATTERS DISCLOSED BY THE FINAL AFFIDAVIT AND AGREEMENT AND IMPROVEMENT LOCATION CERTIFICATE WILL BE ADDED AS EXCEPTIONS.

B. IF LAND TITLE GUARANTEE COMPANY CONDUCTS THE CLOSING OF THE CONTEMPLATED TRANSACTIONS AND RECORDS THE DOCUMENTS IN CONNECTION THEREWITH, ITEM 5 OF THE PRE-PRINTED EXCEPTIONS WILL BE DELETED.

C. UPON RECEIPT OF PROOF OF PAYMENT OF ALL PRIOR YEARS' TAXES AND ASSESSMENTS, ITEM 6 OF THE PRE-PRINTED EXCEPTIONS WILL BE AMENDED TO READ:

TAXES AND ASSESSMENTS FOR THE YEAR 2021 AND SUBSEQUENT YEARS.

ALTA COMMITMENT
Old Republic National Title Insurance Company
Schedule B, Part II
(Exceptions)

Order Number: K70710576-2

This commitment does not republish any covenants, condition, restriction, or limitation contained in any document referred to in this commitment to the extent that the specific covenant, conditions, restriction, or limitation violates state or federal law based on race, color, religion, sex, sexual orientation, gender identity, handicap, familial status, or national origin.

- 1. Any facts, rights, interests, or claims thereof, not shown by the Public Records but that 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 encroachment, encumbrance, 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 the Public Records.**
- 4. Any lien, or right to a lien, for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the Public Records.**
- 5. Defects, liens, encumbrances, adverse claims or other matters, if any, created, first appearing in the public records or attaching subsequent to the effective date hereof but prior to the date of the proposed insured acquires of record for value the estate or interest or mortgage thereon covered by this Commitment.**
- 6. (a) Taxes or assessments that are not shown as existing liens by the records of any taxing authority that levies taxes or assessments on real property or by the Public Records; (b) proceedings by a public agency that may result in taxes or assessments, or notices of such proceedings, whether or not shown by the records of such agency or by the Public Records.**
- 7. (a) Unpatented mining claims; (b) reservations or exceptions in patents or in Acts authorizing the issuance thereof; (c) water rights, claims or title to water.**
- 8. RESERVATIONS BY THE UNION PACIFIC LAND COMPANY COMPANY OF:**
 - (1) ALL OIL, COAL AND OTHER MINERALS UNDERLYING SUBJECT PROPERTY,
 - (2) THE EXCLUSIVE RIGHT TO PROSPECT FOR, MINE AND REMOVE OIL, COAL AND OTHER MINERALS, AND
 - (3) THE RIGHT OF INGRESS AND EGRESS AND REGRESS TO PROSPECT FOR, MINE AND REMOVE OIL, COAL AND OTHER MINERALS, ALL AS CONTAINED IN DEED RECORDED SEPTEMBER 04, 1907, IN BOOK 25 AT PAGE 185.
- 9. ANY TAX, LIEN, FEE, OR ASSESSMENT BY REASON OF INCLUSION OF SUBJECT PROPERTY IN THE BENNETT FIRE PROTECTION DISTRICT, AS EVIDENCED BY INSTRUMENT RECORDED OCTOBER 02, 1962, IN BOOK 1018 AT PAGE 159.**
- 10. ANY TAX, LIEN, FEE, OR ASSESSMENT BY REASON OF INCLUSION OF SUBJECT PROPERTY IN THE LOST CREEK GROUND WATER MANAGEMENT DISTRICT, AS EVIDENCED BY INSTRUMENT RECORDED MARCH 07, 1974, IN BOOK 1916 AT PAGE 912.**
- 11. RIGHT OF WAY GRANT TO PANHANDLE EASTERN PIPE LINE COMPANY IN INSTRUMENT RECORDED FEBRUARY 02, 1979, IN BOOK 2315 AT PAGE 354.**

ALTA COMMITMENT
Old Republic National Title Insurance Company
Schedule B, Part II
(Exceptions)

Order Number: [K70710576-2](#)

12. NOTICE OF GENERAL DESCRIPTION OF AREA SERVED BY PANHANDLE EASTERN PIPE LINE COMPANY PURSUANT TO CRS 9-1.5-103 (1) (1981) CONCERNING UNDERGROUND FACILITIES, RECORDED JUNE 25, 1986 IN BOOK 3162 AT PAGE [961](#).
13. RESERVATION OF GRANTOR'S RIGHT, TITLE AND INTEREST IN AND TO ALL OIL, GAS AND OTHER MINERALS IN, UNDER AND UNDERLYING AND THAT MAY BE PRODUCED FROM THE PROPERTY AS CONTAINED IN DEED RECORDED DECEMBER 7, 1982 IN BOOK 2700 AT PAGE [157](#) .
14. REQUEST FOR NOTIFICATION OF SURFACE DEVELOPMENT AS EVIDENCED BY INSTRUMENT RECORDED MAY 20, 2002 UNDER RECEPTION NO. [C0971774](#).
15. RIGHT OF WAY FOR A 30 FOOT ROAD EASEMENT AS SHOWN ON SURVEY ATTACHED TO WARRANTY DEED RECORDED OCTOBER 30, 2017 UNDER RECEPTION NO. [2017000095163](#).
16. TERMS, CONDITIONS AND PROVISIONS OF MEMORANDUM OF AGREEMENT RECORDED OCTOBER 17, 2018 AT RECEPTION NO. [2018000084257](#).



LAND TITLE GUARANTEE COMPANY DISCLOSURE STATEMENTS

Note: Pursuant to CRS 10-11-122, notice is hereby given that:

- (A) The Subject real property may be located in a special taxing district.
- (B) A certificate of taxes due listing each taxing jurisdiction will be obtained from the county treasurer of the county in which the real property is located or that county treasurer's authorized agent unless the proposed insured provides written instructions to the contrary. (for an Owner's Policy of Title Insurance pertaining to a sale of residential real property).
- (C) The 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.

Note: Effective September 1, 1997, CRS 30-10-406 requires that all documents received for recording or filing in the clerk and recorder's office shall contain a top margin of at least one inch and a left, right and bottom margin of at least one half of an inch. The clerk and recorder may refuse to record or file any document that does not conform, except that, the requirement for the top margin shall not apply to documents using forms on which space is provided for recording or filing information at the top margin of the document.

Note: Colorado Division of Insurance Regulations 8-1-2 requires that "Every title entity shall be responsible for all matters which appear of record prior to the time of recording whenever the title entity conducts the closing and is responsible for recording or filing of legal documents resulting from the transaction which was closed". Provided that Land Title Guarantee Company conducts the closing of the insured transaction and is responsible for recording the legal documents from the transaction, exception number 5 will not appear on the Owner's Title Policy and the Lenders Policy when issued.

Note: Affirmative mechanic's lien protection for the Owner may be available (typically by deletion of Exception no. 4 of Schedule B, Section 2 of the Commitment from the Owner's Policy to be issued) upon compliance with the following conditions:

- (A) The land described in Schedule A of this commitment must be a single family residence which includes a condominium or townhouse unit.
- (B) No labor or materials have been furnished by mechanics or material-men for purposes of construction on the land described in Schedule A of this Commitment within the past 6 months.
- (C) The Company must receive an appropriate affidavit indemnifying the Company against un-filed mechanic's and material-men's liens.
- (D) The Company must receive payment of the appropriate premium.
- (E) If there has been construction, improvements or major repairs undertaken on the property to be purchased within six months prior to the Date of Commitment, the requirements to obtain coverage for unrecorded liens will include: disclosure of certain construction information; financial information as to the seller, the builder and or the contractor; payment of the appropriate premium fully executed Indemnity Agreements satisfactory to the company, and, any additional requirements as may be necessary after an examination of the aforesaid information by the Company.

No coverage will be given under any circumstances for labor or material for which the insured has contracted for or agreed to pay.

Note: Pursuant to CRS 10-11-123, notice is hereby given:

This notice applies to owner's policy commitments disclosing that a mineral estate has been severed from the surface estate, in Schedule B-2.

- (A) That there is recorded evidence that a mineral estate has been severed, leased, or otherwise conveyed from the surface estate and that there is substantial likelihood that a third party holds some or all interest in oil, gas, other minerals, or geothermal energy in the property; and
- (B) That such mineral estate may include the right to enter and use the property without the surface owner's permission.

Note: Pursuant to CRS 10-1-128(6)(a), It is unlawful to knowingly provide false, incomplete, or misleading facts or information to an insurance company for the purpose of defrauding or attempting to defraud the company. Penalties may include imprisonment, fines, denial of insurance, and civil damages. Any insurance company or agent of an insurance company who knowingly provides false, incomplete, or misleading facts or information to a policyholder or claimant for the purpose of defrauding or attempting to defraud the policyholder or claimant with regard to a settlement or award payable from insurance proceeds shall be reported to the Colorado Division of Insurance within the Department of Regulatory Agencies.

Note: Pursuant to Colorado Division of Insurance Regulations 8-1-3, notice is hereby given of the availability of a closing protection letter for the lender, purchaser, lessee or seller in connection with this transaction.



**JOINT NOTICE OF PRIVACY POLICY OF
LAND TITLE GUARANTEE COMPANY,
LAND TITLE GUARANTEE COMPANY OF SUMMIT COUNTY
LAND TITLE INSURANCE CORPORATION AND
OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY**

This Statement is provided to you as a customer of Land Title Guarantee Company as agent for Land Title Insurance Corporation and Old Republic National Title Insurance Company.

We want you to know that we recognize and respect your privacy expectations and the requirements of federal and state privacy laws. Information security is one of our highest priorities. We recognize that maintaining your trust and confidence is the bedrock of our business. We maintain and regularly review internal and external safeguards against unauthorized access to your non-public personal information ("Personal Information").

In the course of our business, we may collect Personal Information about you from:

- applications or other forms we receive from you, including communications sent through TMX, our web-based transaction management system;
 - your transactions with, or from the services being performed by us, our affiliates, or others;
 - a consumer reporting agency, if such information is provided to us in connection with your transaction;
- and
- The public records maintained by governmental entities that we obtain either directly from those entities, or from our affiliates and non-affiliates.

Our policies regarding the protection of the confidentiality and security of your Personal Information are as follows:

- We restrict access to all Personal Information about you to those employees who need to know that information in order to provide products and services to you.
- We may share your Personal Information with affiliated contractors or service providers who provide services in the course of our business, but only to the extent necessary for these providers to perform their services and to provide these services to you as may be required by your transaction.
- We maintain physical, electronic and procedural safeguards that comply with federal standards to protect your Personal Information from unauthorized access or intrusion.
- Employees who violate our strict policies and procedures regarding privacy are subject to disciplinary action.
- We regularly assess security standards and procedures to protect against unauthorized access to Personal Information.

WE DO NOT DISCLOSE ANY PERSONAL INFORMATION ABOUT YOU WITH ANYONE FOR ANY PURPOSE THAT IS NOT STATED ABOVE OR PERMITTED BY LAW.

Consistent with applicable privacy laws, there are some situations in which Personal Information may be disclosed. We may disclose your Personal Information when you direct or give us permission; when we are required by law to do so, for example, if we are served a subpoena; or when we suspect fraudulent or criminal activities. We also may disclose your Personal Information when otherwise permitted by applicable privacy laws such as, for example, when disclosure is needed to enforce our rights arising out of any agreement, transaction or relationship with you.

Our policy regarding dispute resolution is as follows: Any controversy or claim arising out of or relating to our privacy policy, or the breach thereof, shall be settled by arbitration in accordance with the rules of the American Arbitration Association, and judgment upon the award rendered by the arbitrator(s) may be entered in any court having jurisdiction thereof.



Commitment For Title Insurance

Issued by Old Republic National Title Insurance Corporation

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, Old Republic National Title Insurance Company, a Minnesota 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 Policy Amount and the name of the Proposed Insured. If all of the Schedule B, Part I—Requirements have not been met within 6 months after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

COMMITMENT CONDITIONS

1. DEFINITIONS

- (a) "Knowledge" or "Known": Actual or imputed knowledge, but not constructive notice imparted by the Public Records.
- (b) "Land": The land described in Schedule A and affixed improvements that by law constitute real property. The term "Land" does not include any property beyond the lines of the area described in Schedule A, nor any right, title, interest, estate, or easement in abutting streets, roads, avenues, alleys, lanes, ways, or waterways, but this does not modify or limit the extent that a right of access to and from the Land is to be insured by the Policy.
- (c) "Mortgage": A mortgage, deed of trust, or other security instrument, including one evidenced by electronic means authorized by law.
- (d) "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.
- (e) "Proposed Insured": Each person identified in Schedule A as the Proposed Insured of each Policy to be issued pursuant to this Commitment.
- (f) "Proposed Policy Amount": Each dollar amount specified in Schedule A as the Proposed Policy Amount of each Policy to be issued pursuant to this Commitment.
- (g) "Public Records": Records established under state statutes at the Commitment Date for the purpose of imparting constructive notice of matters relating to real property to purchasers for value and without Knowledge.
- (h) "Title": The estate or interest described in 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, Commitment terminates and the Company's liability and obligation end.

3. The Company's liability and obligation is limited by and this Commitment is not valid without:

- (a) the Notice;
- (b) the Commitment to Issue Policy;
- (c) the Commitment Conditions;
- (d) Schedule A;
- (e) Schedule B, Part I—Requirements; and
- (f) Schedule B, Part II—Exceptions; and
- (g) a counter-signature by the Company or its issuing agent that may be in electronic form.

4. COMPANY'S RIGHT TO AMEND

The Company may amend this Commitment at any time. If the Company amends this Commitment to add a defect, lien, encumbrance, adverse claim, or other matter recorded in the Public Records prior to the Commitment Date, any liability of the Company is limited by Commitment Condition 5. The Company shall not be 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 shall not be 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 will only have liability 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 shall not exceed the lesser of the Proposed Insured's actual expense incurred in good faith and described in Commitment Conditions 5(a)(i) through 5(a)(iii) or the Proposed Policy Amount.
- (e) The Company shall not be liable for the content of the Transaction Identification Data, if any.

- (f) In no event shall the Company be 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) In any event, the Company's liability is limited by the terms and provisions of the Policy.

6. LIABILITY OF THE COMPANY MUST BE BASED ON THIS COMMITMENT

- (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 and must be restricted solely to the terms and provisions of this Commitment.
- (c) Until the Policy is issued, 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 HAS BEEN 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 the purpose of providing closing or settlement services.

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. ARBITRATION

The Policy contains an arbitration clause. All arbitrable matters when the Proposed Policy Amount is \$2,000,000 or less shall be arbitrated at the option 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>.

IN WITNESS WHEREOF, Land Title Insurance Corporation has caused its corporate name and seal to be affixed by its duly authorized officers on the date shown in Schedule A to be valid when countersigned by a validating officer or other authorized signatory.


Issued by:
Land Title Guarantee Company
3033 East First Avenue Suite 600
Denver, Colorado 80206
303-321-1880




Senior Vice President



OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY
A Stock Company
400 Second Avenue South, Minneapolis, Minnesota 55401
(612) 371-1111

By  *C Monroe* President

Attest  *David Wold* Secretary

This page is only a part of a 2016 ALTA® Commitment for Title Insurance issued by Land Title Insurance Corporation. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I—Requirements; and Schedule B, Part II—Exceptions; and a counter-signature by the Company or its issuing agent that may be in electronic form.

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6302 E 142nd Pl, Thornton, CO 80602 | 720-238-9094 | wangtasticarchdesign@gmail.com

TAPIA RESIDENCE – NEIGHBORHOOD MEETING SUMMARY

MEETING DETAILS

Date: October 2, 2023

Time: 5:00 pm

Location: 7190 Converse Rd, Bennett, CO 80102

ATTENDEES

Juan Tapia (Owner)

Emma Tapia (Owner)

Juan Tapia Jr (Owner)

Alan Li (Design team)

Justin Taylor (PO Box 185, Bennett, CO 80102)

Bill (Neighbor, did not reveal address)

Cardenas Lino & Cardenas Andrea (47335 E 72nd Ave, Bennett, CO 80102)

Lopez Lino Cardenas & Cardenas Andrea (50000 E 56th Ave, Bennett, CO 80102)

Luis Solis (Lot F, 4 lots away from project location)

Mauro Terraza & Zulema Elizondo (6560 N Converse Rd, Bennett, CO 80102)

SUMMARY

The Owner mailed invitation letters via USPS on September 19, 2023, to all neighbors on the county-provided list. The USPS receipt is attached.

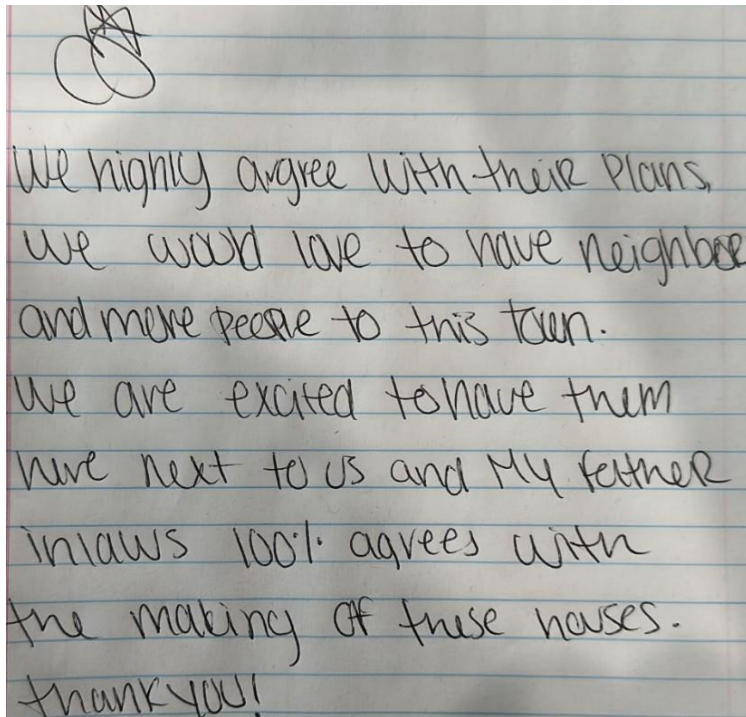
The Designer and the Owner started with a thorough project description for all neighbors. Documents sent and presented to the neighbors are attached.

Neighbor Justin Taylor (PO Box 185) arrived at 4:45pm. He expressed his concern that more residents might bring density and business to the neighborhood.

Neighbor Bill arrived at 5:15pm. He didn't provide his last name or his address. However, he expressed his support for this project and wished the design team and owner good luck.

Neighbor Cardenas Lino & Cardenas Andrea (47335 E 72nd Ave) showed up at 5:45pm and supported the project. They also provided written support letter, attached below.

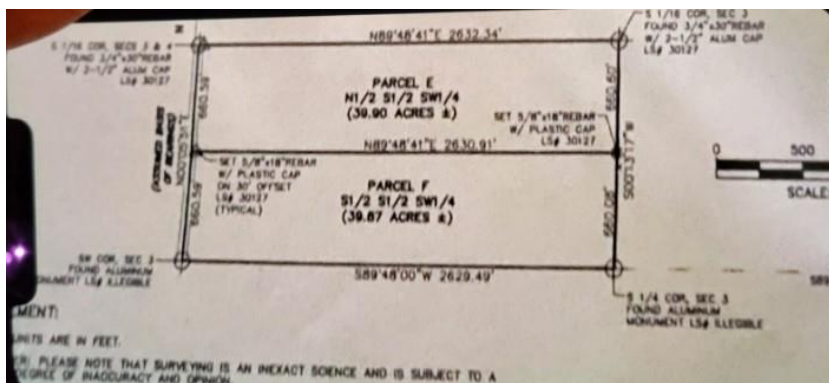
Neighbor Lopez Lino & Cardenas Andrea (50000 E 72nd Ave) showed up at 5:45pm and supported the project. They also provided written support letter, attached below.



We highly agree with their plans,
we would love to have neighbors
and more people to this town.
We are excited to have them
live next to us and My father
in laws 100% agrees with
the making of these houses.
Thank you!

Mauro Terraza & Zulema Elizondo (6560 N Converse Rd) showed up at 6:15pm and expressed support verbally for the project. They also provided their phone number 720-641-7901.

Neighbor Luis Solis (Lot F) did not have time to attend the neighborhood meeting but expressed verbally his support for project.



Everyone left by 6:15pm. The design team and the Owner waited until 6:30pm and no one else showed up.

Summary prepared by: Bing Wang, Wangtastic ArchDesign

Signature: *Bing Wang*

Summary approved by: Juan Tapia-Alamillo & Emma Alamillo

Signature: Juan Tapia-Alamillo & Emma Alamillo



UNITED STATES
POSTAL SERVICE

POSTAGE AND FEES PAID
NO. 12345
NEW YORK, NY 10001
123456789

NO. 12345 0.00

POSTAGE 2 00.00
FIRST CLASS PERMIT NO. 12345 NEW YORK, NY

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September 17, 2023

Dear Neighbor,

We would like to invite you to a neighborhood meeting for the Tapia Residence Project at 5 p.m. on Monday, October 2, 2023, at 7190 Converse Rd, Bennett, CO 80102. The site lies in the southeast corner of the intersection of N Converse Rd. and E 72nd Ave., approximately 0.5 miles west of Kiowa-Bennett Rd. Project map is attached next page.

The purpose of this meeting is to learn about the design purpose and progress of this Project. A concept meeting was held with the County of Adams on August 4, 2023.

The existing 39.1-acre site is currently vacant land consisting of native grasses. It is currently zoned A-3, with the intent to rezone to A-2. The proposed design is to subdivide the parcel into three separate single-family lots. Each consisting of a minimum of 10-acres. Houses and driveways will eventually be built on each of the three lots. Each home will be served by on-site well and septic. The project is set to begin late 2023 and conclude with all approvals by early 2024. It is anticipated that the first home will be built in early 2024.

I hope you will come to this meeting to meet with us. Please mark October 2 on your calendar and plan to attend. If you have any questions regarding this meeting, please call Juan Tapia, the property owner, at 303-519-6197, or Alan Li, the owner's Architect, at 312-928-9985.

Thank you for your time, and I hope to see you at the meeting.

Cordially,

Juan Tapia-Alamillo

Emma Alamillo

7190 Converse Rd, Bennett, CO 80102

Google Maps 7190 N Converse Rd



Imagery ©2023 Google, Imagery ©2023 Airbus, CNES / Airbus, Landsat / Copernicus, Maxar Technologies, U.S. Geological Survey, USDA/FPAC/GEO, Map data ©2023 2000 ft

TAPIA RESIDENCES - FINAL PLAT

SITUATED IN PART OF SECTION 3, T.3S., R.63W., OF THE 6TH P.M.
 COUNTY OF ADAMS, STATE OF COLORADO
 SHEET 1 OF 2

SURVEYOR'S CERTIFICATE:

I HEREBY CERTIFY I WAS IN RESPONSIBLE CHARGE OF THE SURVEY WORK USED IN THE PREPARATION OF THIS PLAT; THE POSITIONS OF THE PLATTED POINTS SHOWN HEREON HAVE AN ACCURACY OF NOT LESS THAN ONE (1) FOOT IN TEN THOUSAND (10,000) FEET PRIOR TO ADJUSTMENTS; AND ALL BOUNDARY MONUMENTS AND CONTROL CORNERS SHOWN HEREON WERE IN PLACE AS DESCRIBED ON MAY 24, 2023.

ELIJAH FRANE P.L.S. # 38376 DATE _____
 FOR 2N CIVIL, LLC

OWNER:
 EMMA ALAMILLO AND JUAN TAPIA ALAMILLO

SIGNATURE _____

PRINT NAME _____ PRINT TITLE _____

NOTARIAL:
 STATE OF COLORADO) SS
 COUNTY OF ADAMS)

THE FOREGOING INSTRUMENT WAS ACKNOWLEDGED BEFORE ME THIS ____ DAY OF _____, 20__ A.D.

EMMA ALAMILLO AND JUAN TAPIA ALAMILLO OWNERS.

WITNESS MY HAND AND OFFICIAL SEAL:

NOTARY PUBLIC _____

MAY COMMISSION EXPIRES: _____

MORTGAGE / LIEN HOLDER:

THE UNDERSIGNED AS MORTGAGE HOLDERS ON PART OR ALL OF THE HEREON SHOWN REAL PROPERTY, DO HEREBY AGREE AND CONSENT TO THE PLATTING OF SAID PROPERTY AS SHOWN HEREON.

XXXXXXXXXX, XXXXXXXXXXXX

COUNTY OF ADAMS APPROVALS:

THE FOREGOING INSTRUMENT IS APPROVED FOR FILING AND CONVEYANCE OF STREETS AND EASEMENTS AS SHOWN HEREON AND IS ACCEPTED BY THE COUNTY OF ADAMS, COLORADO, THIS ____ DAY OF _____, 20__ AD. SUBJECT TO THE CONDITION THAT THE CITY SHALL UNDERTAKE MAINTENANCE OF ANY SUCH STREETS ONLY AFTER CONSTRUCTION HAS BEEN COMPLETED BY THE SUBDIVIDER TO COUNTY OF ADAMS SPECIFICATIONS.

 COUNTY ENGINEER PLANNING DIRECTOR

DATE:

CLERK AND RECORDER'S CERTIFICATE:

ACCEPTED FOR FILING IN THE OFFICE OF THE COUNTY CLERK AND RECORDER OF ADAMS COUNTY, COLORADO ON THIS ____ DAY OF _____, 20__ AD, AT _____ O'CLOCK, __M.

 COUNTY CLERK AND RECORDER

DEPUTY _____

INSTRUMENT NO. _____

OWNERSHIP AND DEDICATION:

KNOW ALL PEOPLE BY THESE PRESENTS THAT THE UNDERSIGNED WARRANTS THAT EMMA ALAMILLO AND JUAN TAPIA ALAMILLO AS OWNERS OF A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 63 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 63 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 3, AND CONSIDERING THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 3, TO BEAR SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, WITH BEARINGS CONTAINED HEREIN RELATIVE THERETO; THENCE SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, A DISTANCE OF 1301.44 FEET TO THE NORTH SIXTEENTH CORNER BETWEEN SECTIONS 3 & 4; THENCE NORTH 89 DEGREES 50 MINUTES 40 SECONDS EAST, ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3, A DISTANCE OF 1307.12 FEET TO A POINT ON THE WEST LINE OF A PARCEL OF PROPERTY AS DESCRIBED IN DOCUMENT RECORDED JANUARY 31, 2019 AT RECEPTION NUMBER 2019000007689 OF THE ADAMS COUNTY RECORDS; THENCE NORTH 00 DEGREES 12 MINUTES 57 SECONDS EAST ALONG SAID WEST LINE, A DISTANCE OF 1299.75 FEET TO A POINT ON THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3; THENCE SOUTH 89 DEGREES 55 MINUTES 09 SECONDS WEST, ALONG SAID NORTH LINE, A DISTANCE OF 1308.85 FEET TO SAID NORTHWEST CORNER OF SECTION 3, AND THE POINT OF BEGINNING.

HAVE LAID OUT, PLATTED AND SUBDIVIDED THE SAME INTO LOTS AS SHOWN ON THIS PLAT UNDER THE NAME AND STYLE OF "TAPIA RESIDENCES", AND BY THESE PRESENTS DO HEREBY DEDICATE TO THE COUNTY OF ADAMS, COLORADO, FOR THE PERPETUAL USE OF THE PUBLIC, THE STREETS AND EASEMENTS AS SHOWN HEREON AND NOT PREVIOUSLY DEDICATED TO THE PUBLIC.

IT IS EXPRESSLY UNDERSTOOD AND AGREED BY THE UNDERSIGNED THAT ALL EXPENSES AND COSTS INVOLVED IN CONSTRUCTING AND INSTALLING SANITARY SEWER SYSTEM WORKS AND LINES, WATER SYSTEM WORKS AND LINES, GAS SERVICE LINES, ELECTRICAL SERVICE WORKS AND LINES, LANDSCAPING, CURBS, GUTTERS, STREET PAVEMENT, SIDEWALKS, AND OTHER SUCH UTILITIES AND SERVICES SHALL BE GUARANTEED AND PAID FOR BY THE OWNER OR ARRANGEMENTS MADE BY THE OWNER THEREOF WHICH ARE APPROVED BY ADAMS COUNTY, COLORADO; THAT SUCH SUMS SHALL NOT BE PAID BY ADAMS COUNTY; AND THAT ANY ITEM SO CONSTRUCTED OR INSTALLED WHEN ACCEPTED BY ADAMS COUNTY SHALL BECOME THE SOLE PROPERTY OF SAID TOWN OF BENNETT, EXCEPT PRIVATE ROADWAY CURBS, GUTTER AND PAVEMENT AND ITEMS OWNED BY MUNICIPALITY FRANCHISED UTILITIES, AND/OR OTHER SERVING PUBLIC UTILITIES, WHICH WHEN CONSTRUCTED OR INSTALLED SHALL REMAIN AND/OR BECOME THE PROPERTY OF SUCH MUNICIPALITY FRANCHISED UTILITIES, AND/OR OTHER SERVING PUBLIC ENTITIES, AND SHALL NOT BECOME THE PROPERTY OF ADAMS COUNTY.

EXECUTED THIS ____ DAY OF _____, 20__

OWNERS:

 EMMA ALAMILLO JUAN TAPIA ALAMILLO

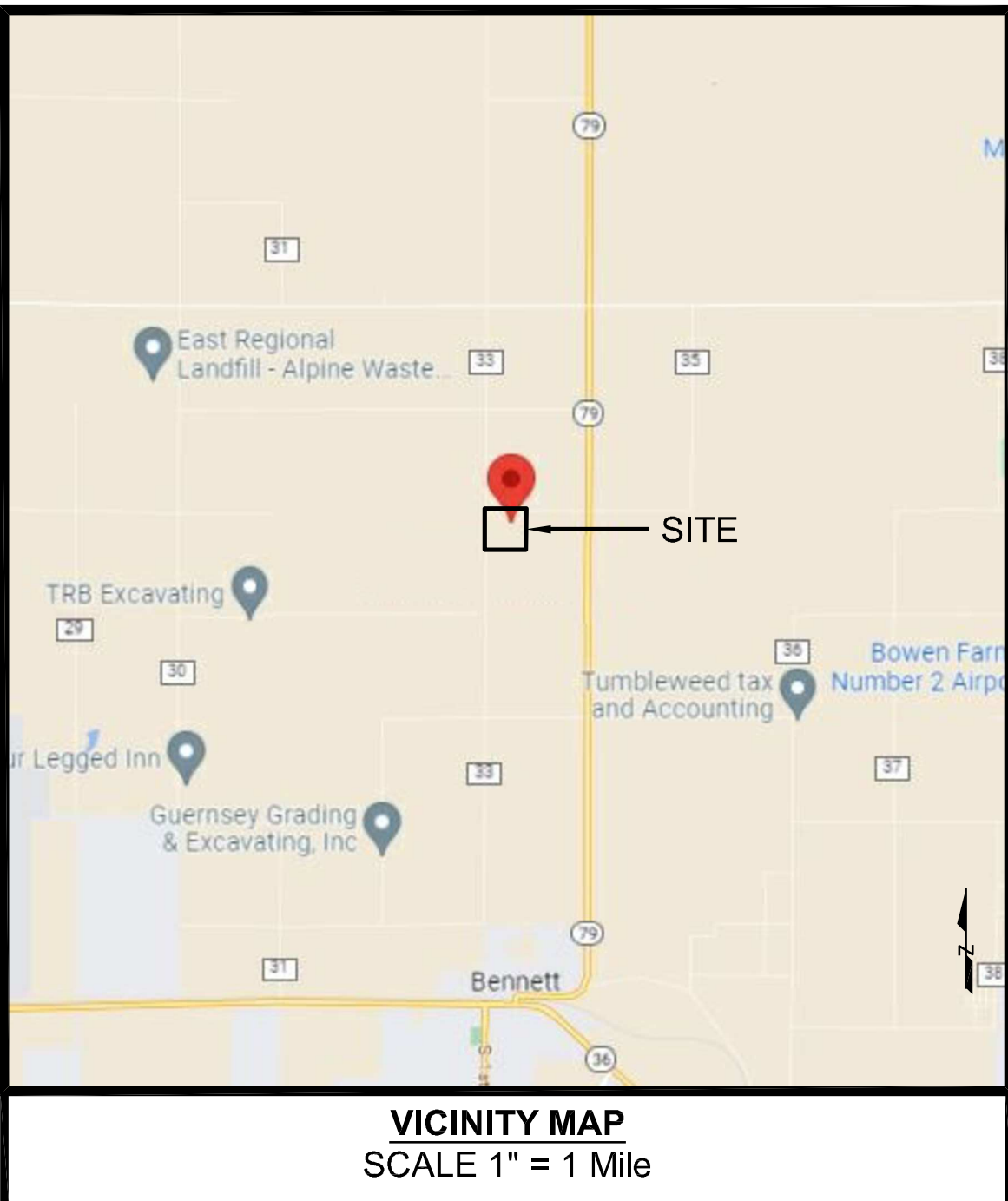
STATE OF COLORADO)
)SS:
 COUNTY OF DENVER)

THE FOREGOING DEDICATION WAS ACKNOWLEDGED BEFORE ME THIS ____ DAY OF _____, 20__, BY _____ FOR _____.
 WITNESS MY HAND AND SEAL.

 NOTARY PUBLIC

 MY COMMISSION EXPIRES


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



SITE ADDRESS:
 47790 E. 72ND AVENUE
 ADAMS COUNTY

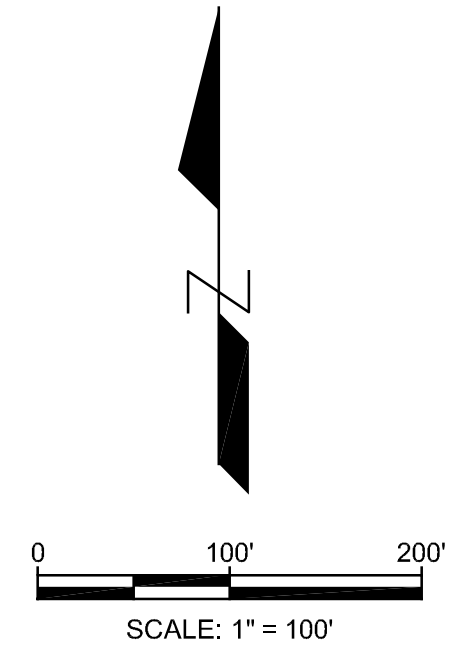
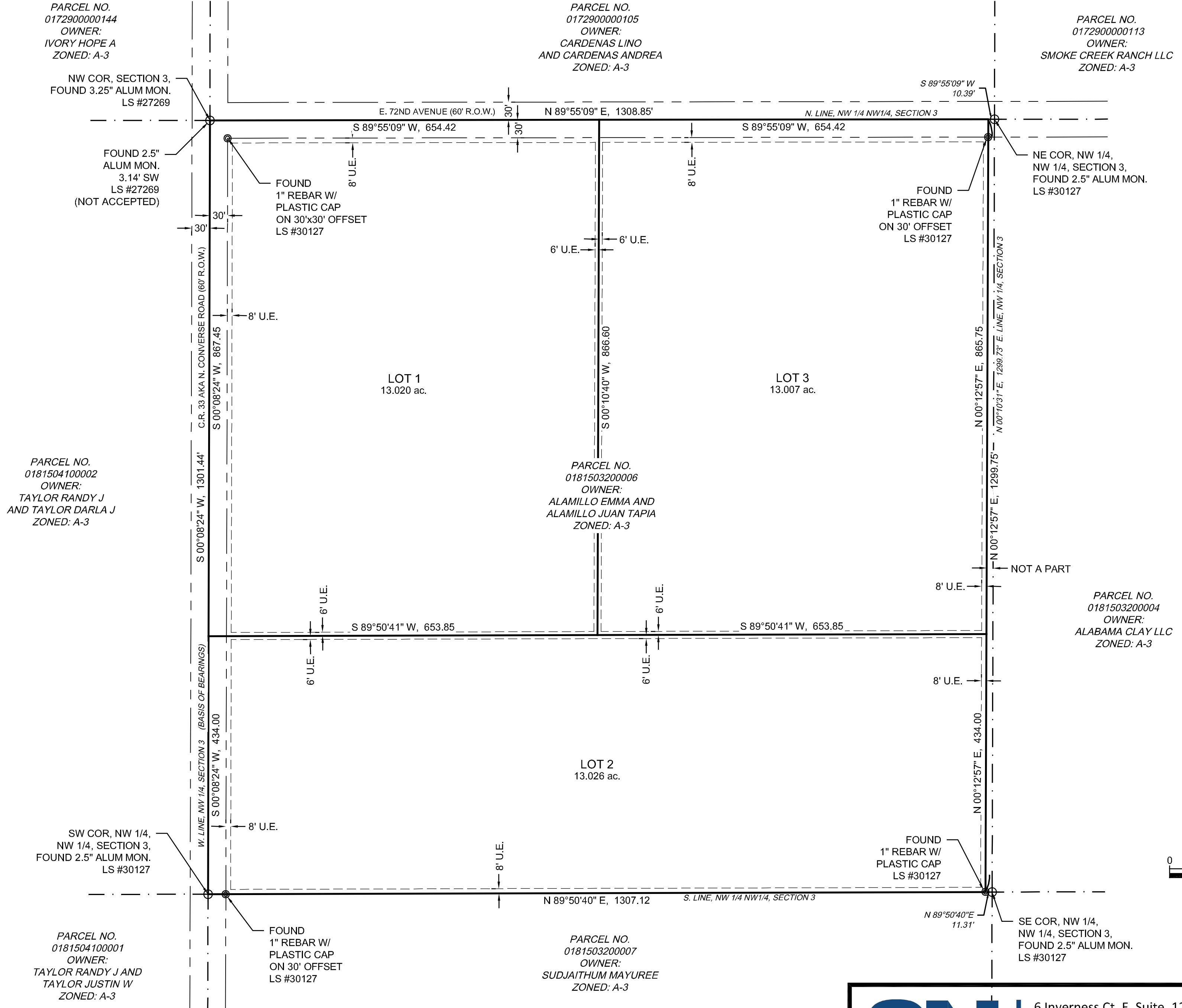
NOTES:

1. THE BASIS OF BEARINGS FOR THIS PLAN ARE BASED ON THE WEST LINE OF OF THE NORTHWEST QUARTER OF SAID SECTION 3 HAVING A BEARING OF S00°08'24"W.
2. THE EASEMENT AREA WITHIN EACH LOT IS TO BE CONTINUOUSLY MAINTAINED BY THE OWNER OF THE LOT EXCEPTING THE COUNTY OF ADAMS FROM SUCH RESPONSIBILITY. ANY STRUCTURES INCONSISTENT WITH THE USE GRANTED IN THE EASEMENT ARE PROHIBITED.
3. THE PROPERTY WITHIN THE BOUNDARIES OF THIS FINAL PLAT IS SUBJECT TO RESERVATIONS, RESTRICTIONS, COVENANTS AND EASEMENTS OF RECORD OR IN PLACE.
4. NO CONFLICTING BOUNDARY EVIDENCE WAS DISCOVERED AT THE TIME OF THE SURVEY.
5. THIS SURVEY WAS PERFORMED WITH THE BENEFIT OF A TITLE INSURANCE COMMITMENT, POLICY NO. K70710576-2, PREPARED BY LAND TITLE GUARANTEE COMPANY, DATED MARCH 05, 2021. THIS INSURANCE COMMITMENT OR A TITLE INSURANCE POLICY MAY DISCLOSE FACTS NOT REFLECTED ON THIS SURVEY. CORNER MONUMENTS WERE SET, OR FOUND AND ACCEPTED AS INDICATED HEREON.

 6 Inverness Ct. E. Suite, 125 Englewood, CO 80112 303.925.0544 T 303.925.0547 F www.2ncivil.com	ISSUED DATE:	06-16-2023
	PROJECT NUMBER:	23004
SHEET 01 OF 02		

TAPIA RESIDENCES - FINAL PLAT

SITUATED IN PART OF SECTION 3, T.3S., R.63W., OF THE 6TH P.M.
 COUNTY OF ADAMS, STATE OF COLORADO
 SHEET 2 OF 2



2N CIVIL
 6 Inverness Ct. E. Suite, 125
 Englewood, CO 80112
 303.925.0544 T
 303.925.0547 F
 www.2ncivil.com

ISSUED DATE:	06-16-2023
PROJECT NUMBER:	23004
SHEET 02 OF 02	

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TAPIA RESIDENCES - REZONING PLAN

SITUATED IN PART OF SECTION 3, T.3S., R.63W., OF THE 6TH P.M.

COUNTY OF ADAMS, STATE OF COLORADO

SHEET 1 OF 1



VICINITY MAP
SCALE 1" = 1 Mile

SITE ADDRESS:

47790 E. 72ND AVENUE
BENNETT, COLORADO 80102

PROPERTY DESCRIPTION:

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 63 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 3, AND CONSIDERING THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 3, TO BEAR SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, WITH BEARINGS CONTAINED HEREIN RELATIVE THERETO; THENCE SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, A DISTANCE OF 1301.44 FEET TO THE NORTH SIXTEENTH CORNER BETWEEN SECTIONS 3 & 4; THENCE NORTH 89 DEGREES 50 MINUTES 40 SECONDS EAST, ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3, A DISTANCE OF 1307.12 FEET TO A POINT ON THE WEST LINE OF A PARCEL OF PROPERTY AS DESCRIBED IN DOCUMENT RECORDED JANUARY 31, 2019 AT RECEPTION NUMBER 2019000007689 OF THE ADAMS COUNTY RECORDS; THENCE NORTH 00 DEGREES 12 MINUTES 57 SECONDS EAST ALONG SAID WEST LINE, A DISTANCE OF 1299.75 FEET TO A POINT ON THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3; THENCE SOUTH 89 DEGREES 55 MINUTES 09 SECONDS WEST, ALONG SAID NORTH LINE, A DISTANCE OF 1308.85 FEET TO SAID NORTHWEST CORNER OF SECTION 3, AND THE POINT OF BEGINNING.

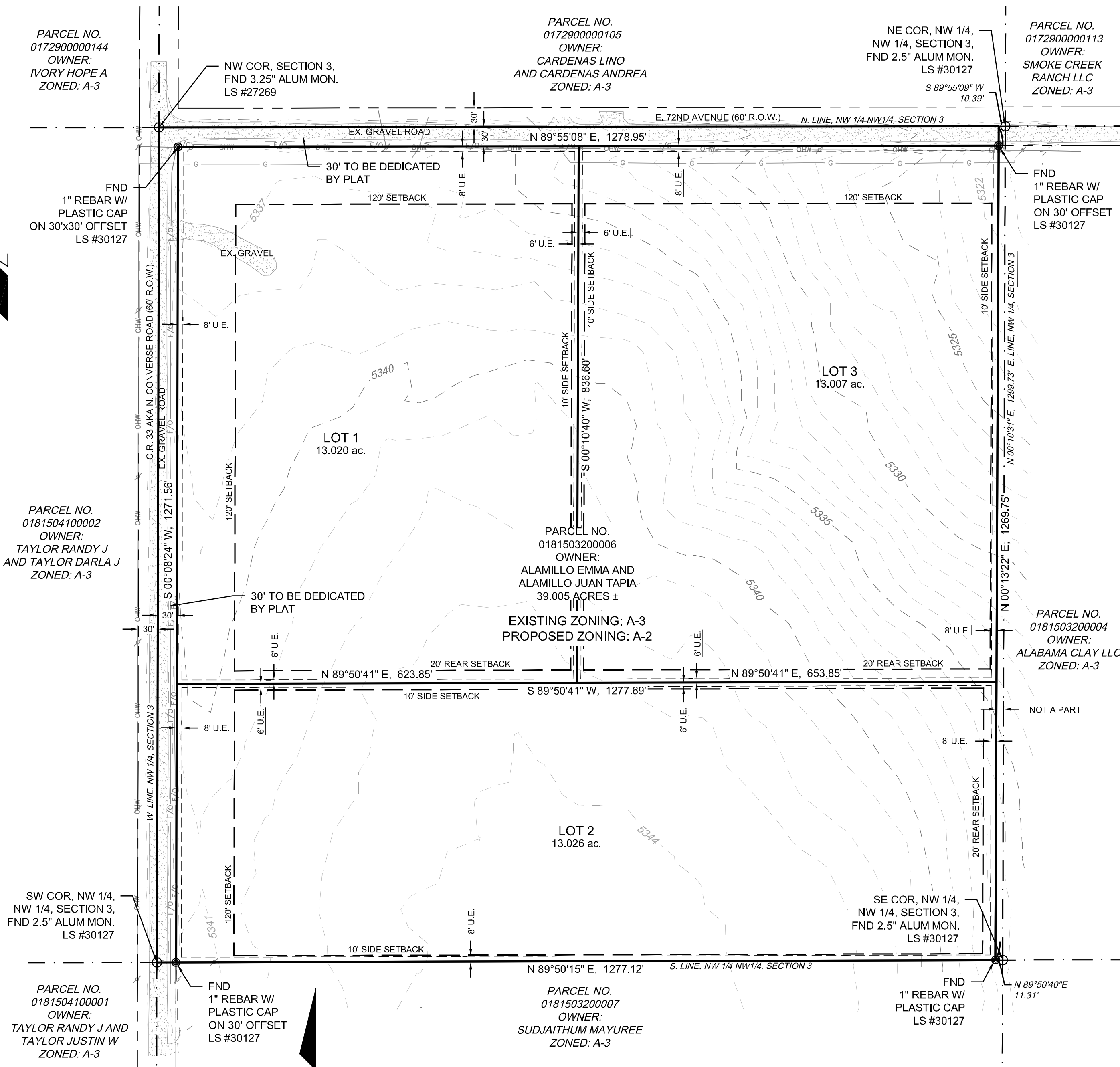
SURVEYING CERTIFICATE

I, ELIJAH FRANE, A LICENSED PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO DO HEREBY CERTIFY THAT THE SURVEY REPRESENTED BY THIS REZONE PLAN WAS MADE UNDER MY SUPERVISION AND THE MONUMENTS SHOWN THEREON ACTUALLY EXIST AND THIS REZONE PLAN ACCURATELY REPRESENTS SAID SURVEY.

LICENSED LAND SURVEYOR

BASIS OF BEARINGS:

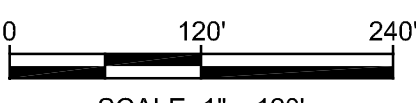
THE BASIS OF BEARINGS FOR THIS PLAN ARE BASED ON THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 3 HAVING A BEARING OF S00°08'24"W.



PARCEL NO. 0181504100001
OWNER: TAYLOR RANDY J AND TAYLOR JUSTIN W
ZONED: A-3

PARCEL NO. 0181503200007
OWNER: SUDJAITHUM MAYUREE
ZONED: A-3

FND 1\"/>



2N CIVIL
6 Inverness Ct. E. Suite, 125
Englewood, CO 80112
303.925.0544 T
303.925.0547 F
www.2ncivil.com

ISSUED DATE:	09-12-2023
PROJECT NUMBER:	23004
SHEET 01 OF 01	

J:\Projects\23\23004\dwg\Rezone\Rezone\Rezone\Plan.dwg 9/12/2023

June 15, 2023

David DeBoskey, AICP, Planner II
 Adams County Community & Economic Development
 4430 S. Adams County Pkwy, Suite W2000A
 Brighton, CO 80601

RE: Traffic Impact Letter
 Tapia Residences
 2N Civil Project No: 23004

This letter serves to outline the traffic impact of the proposed Tapia Residences, located in Adams County. The site lies to the east of N Converse Rd. and south of E 72nd Ave., approximately 0.5 miles west of Kiowa-Bennett Rd. The subject parcel is part of Section 3, Township 3 South, Range 63 West of the 6th Principal Meridian, County of Adams, State of Colorado.

N Converse Rd. & E 72nd Ave

The existing public N Converse Rd. & E 72nd Ave, which this project will gain driveway accesses from, are categorized in the Adams County Transportation Master Plan (TMP) as Section Line Arterial/Rural Arterial. The roadways are currently unpaved two-lane roads with approximately 12-foot-wide travel lanes and no apparent shoulders. The current Right-of-Way for both roadways is 60 feet wide.

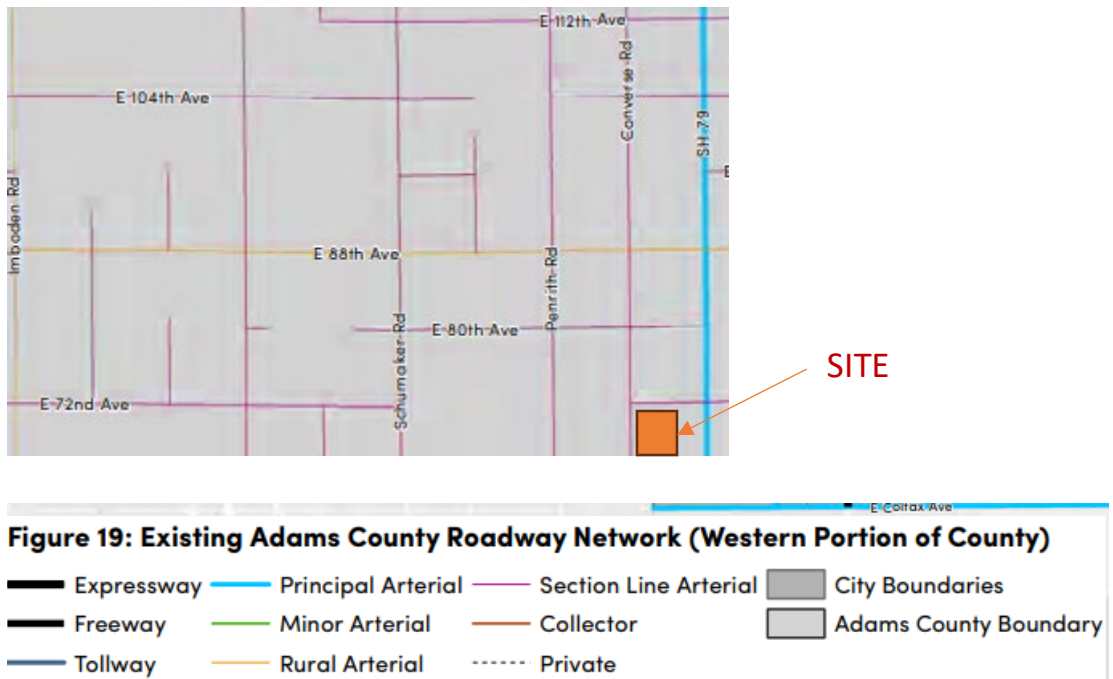


Figure 1 – Figure 19 of Adams County Transportation Master Plan

The TMP does not designate any future improvements to either of these roadways.

Private driveways will be accessed off of these two roadways. The driveways will serve single-family residences.

Trip Generation

The Master Plan does not include existing traffic volumes for either of these two roadways.

Trip generation rates for this development were obtained from the ITE Trip Generation Manual, 7th Edition for Land Use 210 (Single-Family Detached Housing). Table 1 shows the Daily, AM peak, and PM peak hour trip generation estimates. The estimated trips generated by this development are 29 two-way trips out of which 2 two-way trips occur in the AM peak hour and 3 two-way trips occur in the PM peak hour. Please see the following table:

Time of Day	Description	ITE Land Use Category	Land Use Code	New Lots	Daily Trip Rate	Daily 2-Way Trips	Directional Distribution IN	Directional Distribution OUT	Daily Trips In (vpd)	Daily Trips Out (vpd)
Daily	SF Housing	SF Housing	210	3	9.57	29	50%	50%	15	15
AM Peak	SF Housing	SF Housing	210	3	0.77	2	26%	74%	1	2
PM Peak	SF Housing	SF Housing	210	3	1.02	3	64%	36%	2	1

Conclusion

The assumed proposed trips generated will not adversely impact the traffic on either N. Converse Rd. or E 72nd Ave.

Respectfully,



Ryan Eichele, PE
 Project Manager
 2N Civil, LLC



June 15, 2023

David DeBoskey, AICP, Planner II
Adams County Community & Economic Development
4430 S. Adams County Pkwy, Suite W2000A
Brighton, CO 80601

**RE: Preliminary Drainage Analysis
Tapia Residences
2N Project No. 23004**

Dear Mr. DeBoskey,

This letter serves to address the stormwater drainage impact of the proposed Tapia Residences Subdivision. The 39.1-acre site is located in the southeast corner of the intersection of N Converse Rd. and E 72nd Ave., approximately 0.5 miles west of Kiowa-Bennett Rd. The subject parcel is part of Section 3, Township 3 South, Range 63 West of the 6th Principal Meridian, County of Adams, State of Colorado. A Vicinity Map is included in Appendix A.

Existing Drainage Characteristics

The property is situated along a ridgeline which divides flow to the northeast and northwest. The parcel was divided into three existing drainage basins. Basin EX-1 flows to the northeast and continues offsite. Basins EX-2 and EX-3 flow to the west/northwest and continue offsite. These basins ultimately flow to Lost Sand Creek via a small tributary. The ridgeline acts to minimize offsite areas from draining onto the site. A small portion of the property is located offsite and is comprised of the north half of E 72nd Ave. This area has been disregarded from the analysis.

The existing property is a vacant field with sparse native vegetation. The terrain is composed mostly of native grasses and ranges in slope from 0-4%. The soil types present onsite are 48% Adena loam [0-3% slopes], 24% Adena-Colby association gently sloping, 1% Stoneham loam [3-5% slopes], and 27% Weld loam [1-3% slopes] as designated by the Natural Resources Conservation Services (see Appendix A). All of the site is within Hydrologic Group C. Soil classified as Hydraulic Group C exhibits a slow rate of infiltration when thoroughly wet. The site is located within a Zone X flood hazard area shown on the FEMA Map titled "National Flood Hazard Layer FIRMette", located in Adams County, Colorado and Incorporated Areas, Community 080001, Panel 0710, Map Number 08001C0710H, Dated March 5, 2007." (See Appendix A). Zone X areas are areas unmapped with an area of minimal flood hazard.

Runoff from the existing drainage basins was calculated using the Rational Method to determine runoff for the 100-year storm since the basins are smaller than 90-acres as recommended by Mile High Flood District.

Proposed Development and Drainage Characteristics

The proposed development for the site includes subdividing the property into three, approximately 10-acre single family residential parcels. Lots will be accessed from either N Converse Rd. or E 72nd Ave.

Proposed flow calculations were performed using the Rational Method to calculate the additional runoff generated from the development of driveways and buildings. As recommended by Adams County and the Mile High Flood District, the proposed lots were considered to have an imperviousness of 12% for single family lots of 2.5 acres or larger. A composite impervious value was used as part of the analysis for the applicable basins. The proposed basin delineation for this study is consistent with the existing basin delineation. Refer to the attached Existing and Proposed Drainage Plans included in the Appendix.

Below is a summary table comparing the existing and proposed basin runoff flows in the 100-yr storm event using the criteria discussed above and below. Runoff calculations can be found in Appendix B.

Basin	Design Point	Existing Q_{100-yr}	Proposed Q_{100-yr} (12% IMPERV)	Proposed Q_{100-yr} (5% IMPERV)
EX-1/PR-1	DP 1	46.49	53.15	48.41
EX-2/PR-2	DP 2	18.11	20.89	18.99
EX-3/PR-3	DP 3	2.98	3.34	3.09

An impervious area of 12% for a 10-acre lot would result in an area of 1.2 acres or 52,272 square feet of impervious area, which is unlikely for lots within this development. Based on the assumption of a 24-foot wide, 500-foot-long gravel driveway and 10,000 square feet for the home and outbuildings, the corresponding impervious value equals 5% (as compared to 12% used above). This impervious value would decrease the calculated runoff as shown in the values shown above.

Stormwater Quality Control

The individual homeowner is encouraged to implement steps to help prevent erosion and water pollution. Limiting the use of impervious surfaces such as asphalt or concrete driveways and walks/patios allows stormwater to soak into the ground instead of running downstream and causing erosion. Permeable pavers can be used to allow water to pass through them, rather than run off the surface. Redirecting downspouts away from hard surfaces and onto grass or shallow depressed planting beds can help reduce the amount of runoff. Planting native vegetation and

minimizing the use of fertilizers and pesticides will help reduce the impact of stormwater on the environment.

Conclusion

The additional impervious surfaces resulting from the construction of the single-family home sites and associated improvements such as driveways and outbuildings can be considered minimal in relation to the large lot size of over 10 acres. In our professional opinion, the low density of this development will contribute to a minimal increase in stormwater runoff and will not negatively affect downstream properties. The stormwater quality recommendations provided above can be applied by the homeowner to mitigate erosion and enhance stormwater quality for the site.

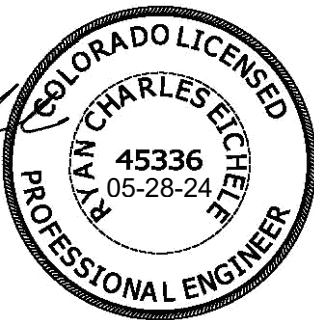
Thank you for taking the time to review this letter. If you have any questions or require additional information, please let us know.

Sincerely,

2N CIVIL, LLC



Ryan Eichele, P.E.
Project Manager

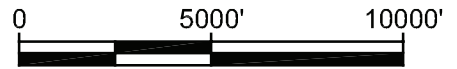
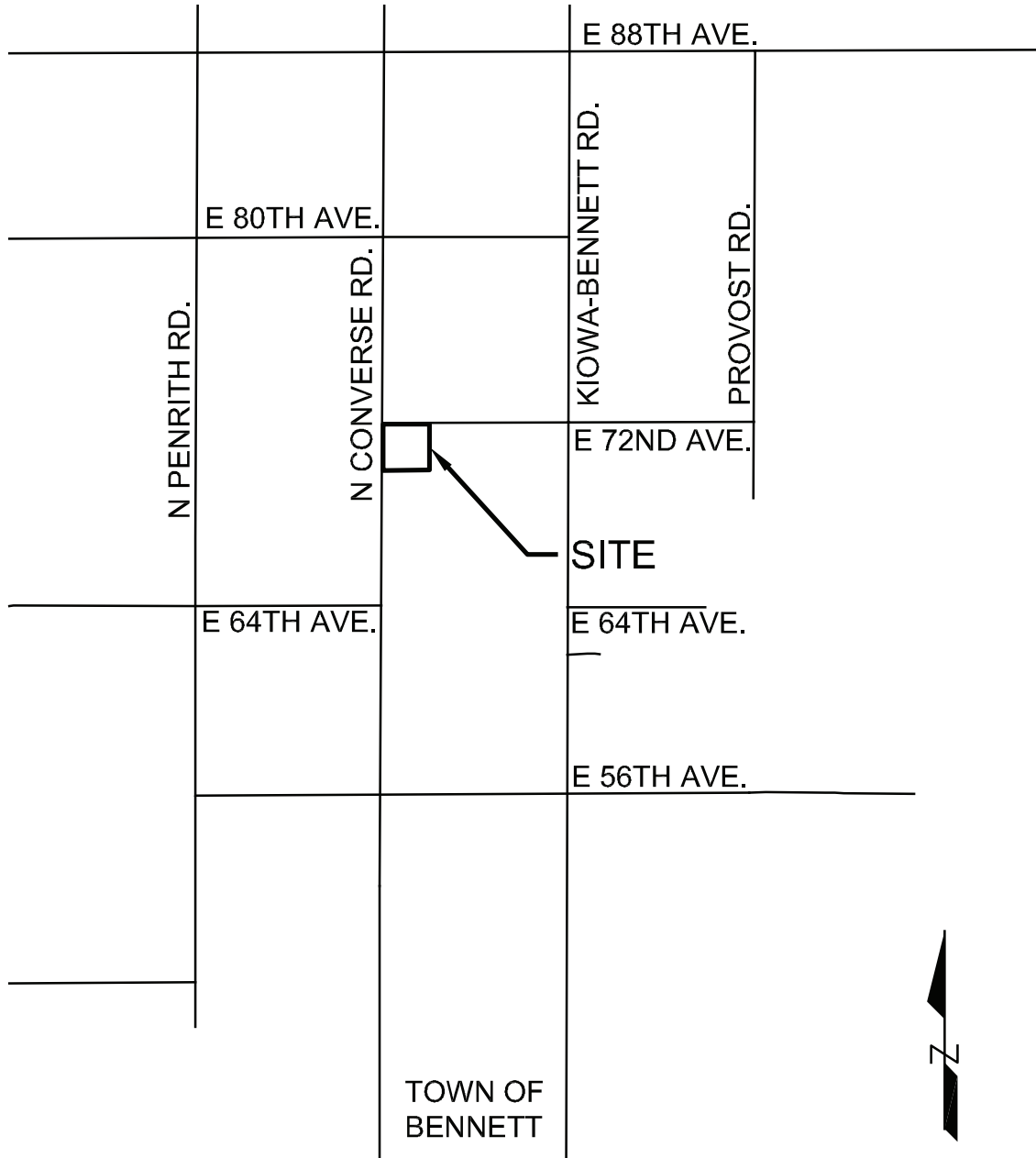


Enc.

APPENDIX A

Vicinity Map
Soils Map
FEMA Map

VICINITY MAP



SCALE: 1" = 5000'

Project Number: 23004

VICINITY MAP

2N Civil, LLC

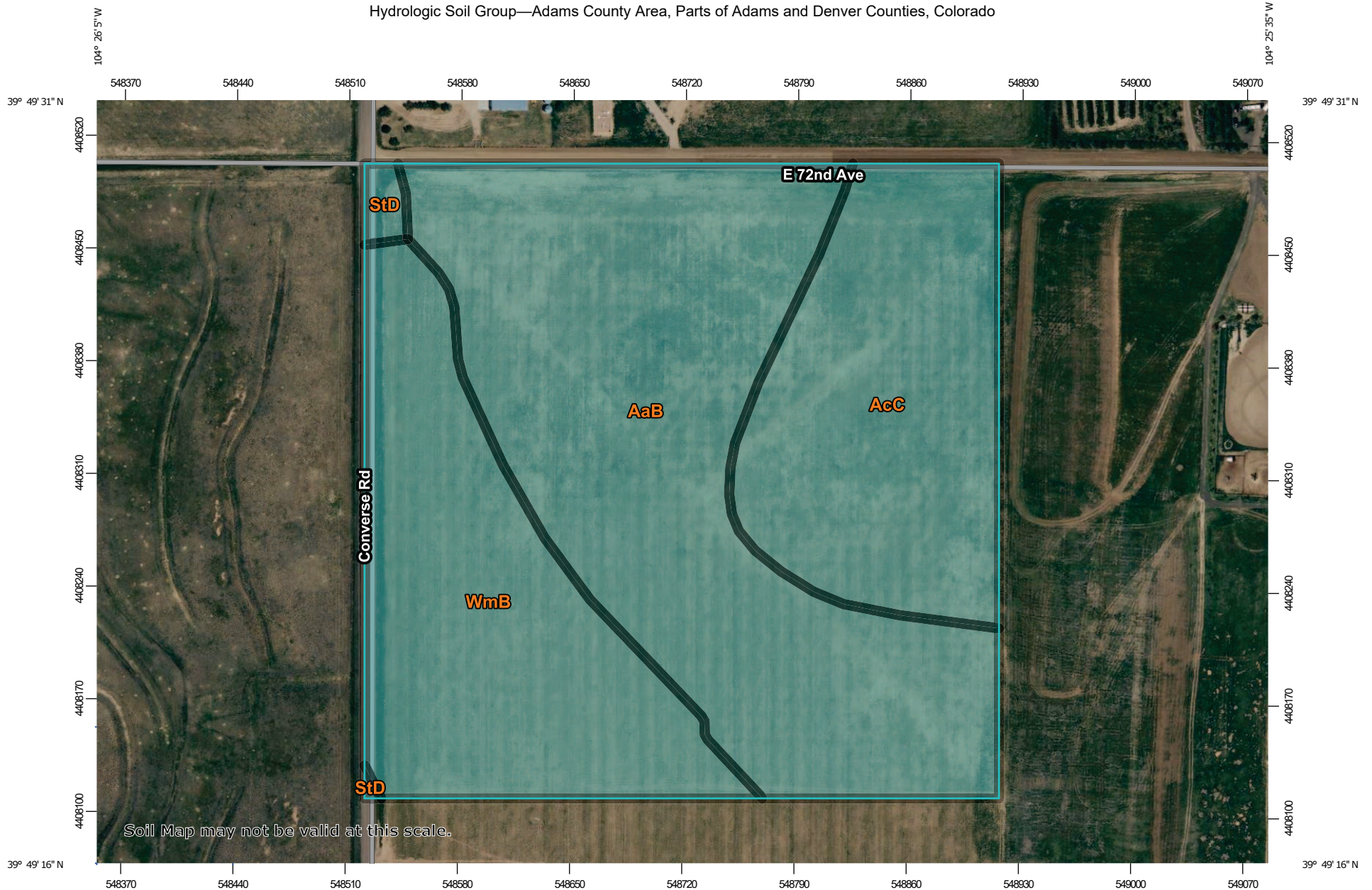
6 Inverness Ct. E., Suite 125
Englewood, CO 80112

Phone 303-925-0544 Fax 303-925-0547
www.2NCivil.com

Drawn By: RCE
Checked By:
Revisions: 06-19-23

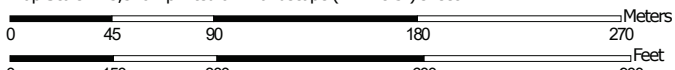


Hydrologic Soil Group—Adams County Area, Parts of Adams and Denver Counties, Colorado



Soil Map may not be valid at this scale.

Map Scale: 1:3,340 if printed on A landscape (11" x 8.5") sheet.




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 1:20,000.

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: Adams County Area, Parts of Adams and Denver Counties, Colorado
 Survey Area Data: Version 19, Sep 1, 2022

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
AaB	Adena loam, 0 to 3 percent slopes	C	18.5	47.9%
AcC	Adena-Colby association, gently sloping	C	9.5	24.4%
StD	Stoneham loam, 3 to 5 percent slopes	C	0.3	0.9%
WmB	Weld loam, 1 to 3 percent slopes	C	10.4	26.8%
Totals for Area of Interest			38.7	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

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

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 (NAVD 88). 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 the 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, GRS1980 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. 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, NNGS12
 National Geodetic Survey
 SSMC-3, #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 by the Adams County and Commerce City GIS departments. The coordinate system used for the production of the digital FIRM is Universal Transverse Mercator, Zone 13N, referenced to North American Datum of 1983 and the GRS 80 spheroid, Western Hemisphere.

This map reflects more detailed and up-to-date **stream channel configurations** 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.

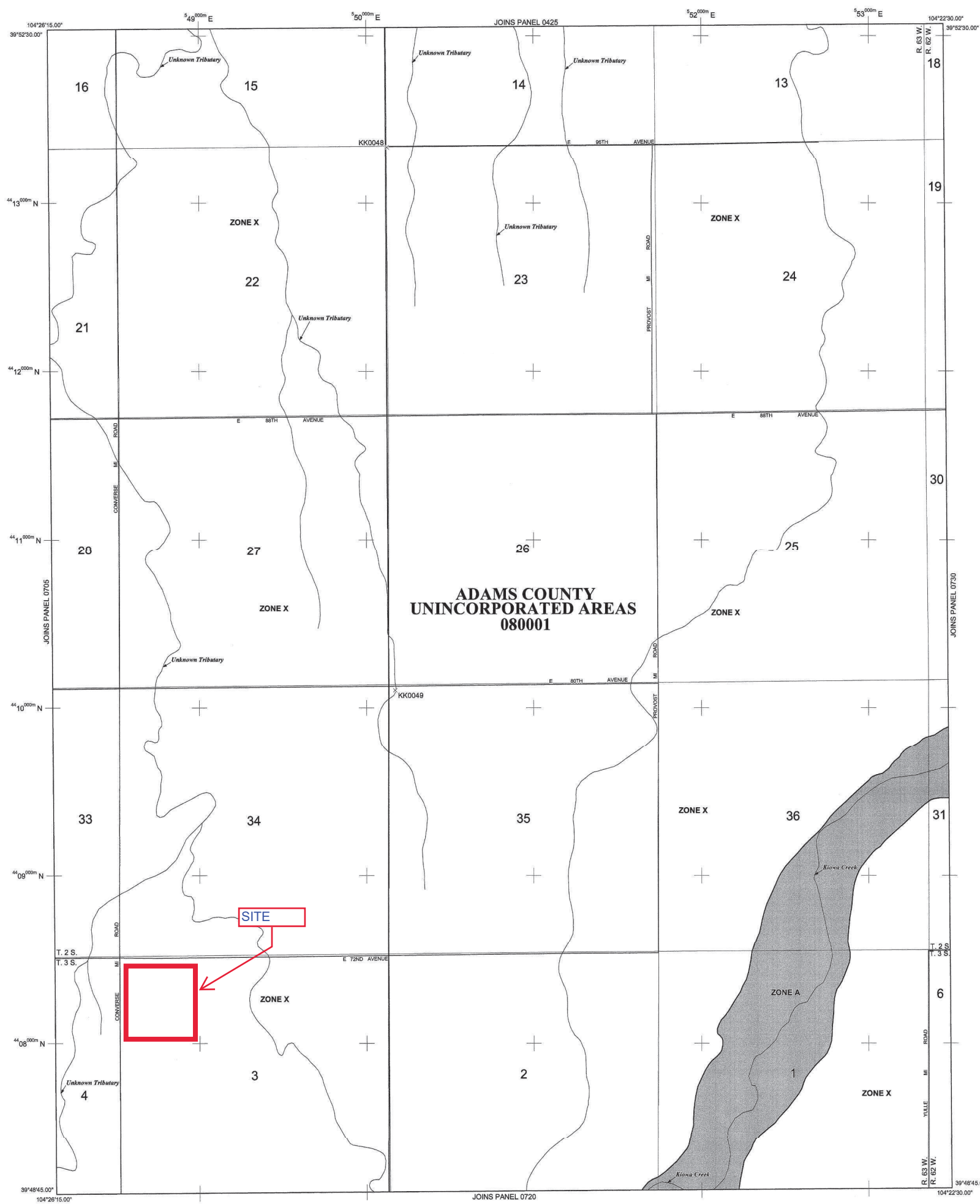
Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the **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/>.

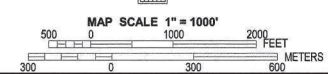
This digital Flood Insurance Rate Map (FIRM) was produced through a cooperative partnership between the State of Colorado Water Conservation Board, the Urban Drainage and Flood Control District, and the Federal Emergency Management Agency (FEMA). The State of Colorado Water Conservation Board and the Urban Drainage and Flood Control District have implemented a long-term approach of floodplain management to reduce the costs associated with flooding. As part of this effort, both the State of Colorado and the Urban Drainage and Flood Control District have joined in Cooperating Technical Partner agreements with FEMA to produce this digital FIRM.

Additional flood hazard information and resources are available from local communities, the Colorado Water Conservation Board, and the Urban Drainage and Flood Control District.



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 of 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.
 - 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)
 - Cross section line
 - Transsect line
 - Geographic coordinates referenced to the North American Datum of 1983 (NAD 83)
 - 1000-meter universal transverse mercator grid ticks, zone 13
 - 5000-foot grid ticks; Alabama State Plane coordinate system, east zone (FIPSZONE 0101), Transverse Mercator
 - 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 August 16, 1995
- EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL March 5, 2007 - to update map format.
- 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 1-800-638-6820.



NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0710H

FIRM
FLOOD INSURANCE RATE MAP
ADAMS COUNTY,
COLORADO
AND INCORPORATED AREAS

PANEL 710 OF 1150
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:	NUMBER	PANEL	SUFFIX
COMMUNITY	ADAMS COUNTY	080001	0710 H

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
08001C0710H

MAP REVISED
MARCH 5, 2007

Federal Emergency Management Agency

APPENDIX B

Rational Method Calculations
Existing Drainage Plan
Proposed Drainage Plan

Calculation of Peak Runoff using Rational Method

Designer: RYAN EICHELE, P.E.
 Company: ZN CIVIL, LLC
 Date: 6/16/2023
 Project: TAPIA RESIDENCES
 Location: ADAMS COUNTY

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$$t_1 = \frac{0.395(1.1 - C_2)\sqrt{L_1}}{S^{0.33}}$$

$$t_1 = \frac{L_1}{60K\sqrt{S_1}} = \frac{L_1}{60V_1}$$

Computed $t_c = t_1 + t_2$

Regional $t_c = (26 - 17i) + \frac{L_1}{60(14i + 9)\sqrt{S_1}}$

$t_{\text{minimum}} = 5$ (urban)
 $t_{\text{minimum}} = 10$ (non-urban)

Selected $t_c = \max\{t_{\text{minimum}}, \min(\text{Computed } t_c, \text{Regional } t_c)\}$

Select UDFCD location for NOAA Atlas 14 Rainfall Depths from the pulldown list OR enter your own depths obtained from the NOAA website (click this link)

2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr
1.00	1.42	1.68	2.35	2.71		

1-hour rainfall depth, P1 (in) = $\frac{a}{b + t_c^c}$

Rainfall Intensity Equation Coefficients = $\frac{a}{b + t_c^c}$ (in/hr) = $\frac{a + P_1}{(b + t_c)^c}$

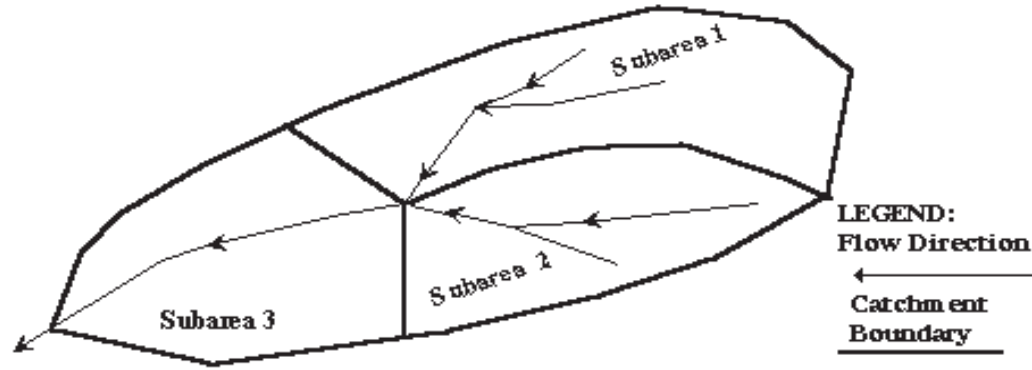
Q(cfs) = CIA

Subcatchment Name	Area (ac)	NRCS Hydrologic Soil Group	Percent Imperviousness	Runoff Coefficient, C							Overland (Initial) Flow Time				Channelized (Travel) Flow Time					Time of Concentration			Rainfall Intensity, I (in/hr)							Peak Flow, Q (cfs)								
				2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr	Overland Flow Length L _i (ft)	U/S Elevation (ft) (Optional)	D/S Elevation (ft) (Optional)	Overland Flow Slope S _i (ft/ft)	Overland Flow Time t _i (min)	Channelized Flow Length L _c (ft)	U/S Elevation (ft) (Optional)	D/S Elevation (ft) (Optional)	Channelized Flow Slope S _c (ft/ft)	NRCS Conveyance Factor K	Channelized Flow Velocity V _c (ft/sec)	Channelized Flow Time t _c (min)	Computed t _c (min)	Regional t _c (min)	Selected t _c (min)	2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr	2-yr	5-yr	10-yr	25-yr	50-yr	100-yr
EX-1	25.86	C	2.4	0.01	0.05	0.15	0.33	0.41	0.49	0.60	500.00	5342.66	5338.20	0.009	43.82	968.00	5338.20	5321.54	0.017	5	0.66	24.60	68.41	38.75	38.75	1.34	1.91	2.26		3.16	3.64		0.45	2.71	8.75		33.06	46.49
EX-2	11.64	C	3.9	0.02	0.07	0.16	0.34	0.41	0.50	0.60	500.00	5344.52	5342.98	0.003	61.54	1137.00	5342.98	5335.28	0.007	5	0.41	46.05	107.60	49.48	49.48	1.15	1.63	1.93		2.70	3.11		0.29	1.26	3.60		12.95	18.11
EX-3	1.28	C	3.5	0.02	0.06	0.16	0.34	0.41	0.50	0.60	409.00	5343.74	5340.73	0.007	41.88	0.01			0.000	5	0.02	0.01	41.89	25.41	25.41	1.73	2.45	2.90		4.06	4.68		0.04	0.20	0.59		2.13	2.98
PR-1	25.86	C	12.3	0.08	0.14	0.22	0.39	0.45	0.53	0.63	500.00			0.009	40.32	968.00			0.017	5	0.65	24.75	65.07	35.44	35.44	1.42	2.02	2.38		3.34	3.85		2.92	7.06	13.72		39.15	53.15
PR-2	11.64	C	13.4	0.09	0.14	0.23	0.39	0.46	0.54	0.63	500.00			0.003	57.43	1137.00			0.007	5	0.42	45.30	102.72	44.96	44.96	1.23	1.75	2.07		2.89	3.33		1.25	2.93	5.54		15.44	20.89
PR-3	1.28	C	13.1	0.09	0.14	0.23	0.39	0.46	0.54	0.63	409.00			0.007	39.36	0.01			0.000	5	0.02	0.01	39.37	23.78	23.78	1.79	2.54	3.01		4.21	4.86		0.20	0.46	0.88		2.47	3.34
PR-1	25.86	C	5.4	0.03	0.08	0.17	0.35	0.42	0.51	0.61	500.00			0.009	42.67	968.00			0.017	5	0.65	24.75	67.42	37.76	37.76	1.36	1.94	2.29		3.21	3.70		1.12	3.96	10.18		34.81	48.41
PR-2	11.64	C	6.7	0.04	0.09	0.18	0.36	0.43	0.51	0.61	500.00			0.003	60.69	1137.00			0.007	5	0.42	45.30	105.99	47.65	47.65	1.18	1.67	1.98		2.77	3.19		0.55	1.75	4.17		13.72	18.99
PR-3	1.28	C	6.4	0.04	0.09	0.18	0.35	0.42	0.51	0.61	409.00			0.007	41.61	0.01			0.000	5	0.05	0.00	41.62	24.92	24.92	1.75	2.48	2.93		4.10	4.73		0.08	0.28	0.67		2.23	3.09

Area-Weighted Runoff Coefficient Calculations

Version 2.00 released May 2017

Designer: RYAN EICHELE, P.E.
Company: 2N CIVIL, LLC
Date: 6/16/2023
Project: TAPIA RESIDENCES
Location: ADAMS COUNTY



Subcatchment Name
EX-1

Cells of this color are for required user-input
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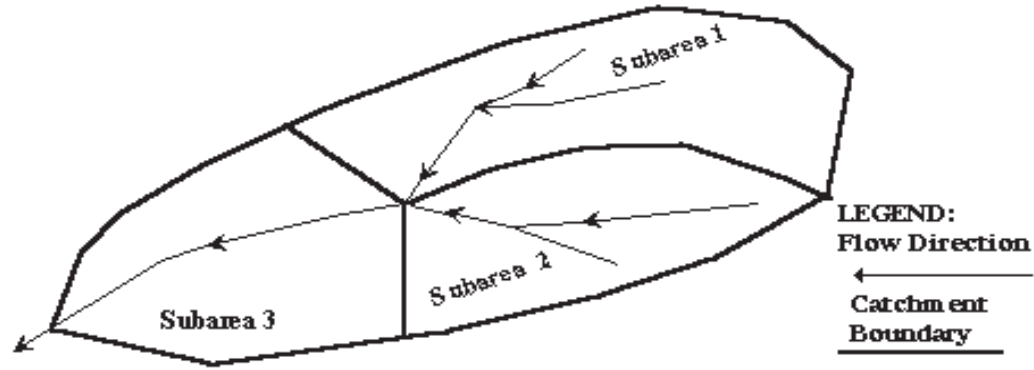
See sheet "Design Info" for imperviousness-based runoff coefficient values.

Sub-Area ID	Area (ac)	NRCS Hydrologic Soil Group	Percent Imperviousness	Runoff Coefficient, C						
				2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr
GRASS	25.56	C	2.0	0.01	0.05	0.15	0.33	0.40	0.49	0.59
GRAVEL	0.30	C	40.0	0.30	0.36	0.43	0.54	0.59	0.65	0.71
Total Area (ac)	25.86		Area-Weighted C	0.01	0.05	0.15	0.33	0.41	0.49	0.60
			Area-Weighted Override C	0.01	0.05	0.15	0.33	0.41	0.49	0.60

Area-Weighted Runoff Coefficient Calculations

Version 2.00 released May 2017

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Project: TAPIA RESIDENCES
Location: ADAMS COUNTY



Subcatchment Name
EX-2

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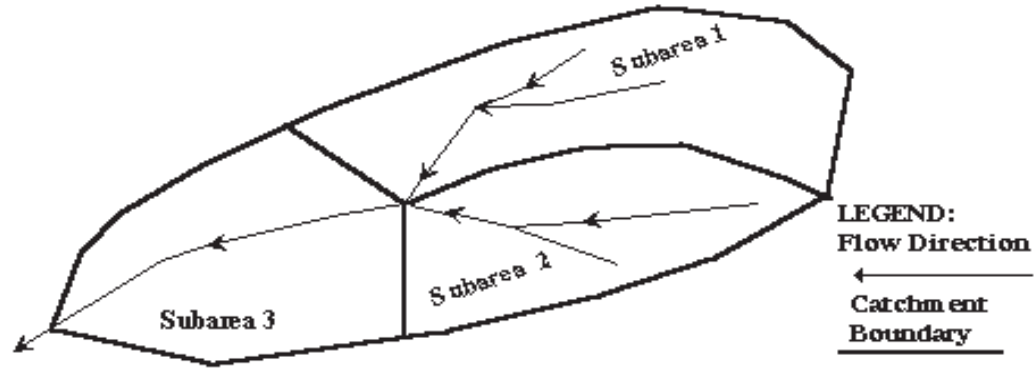
See sheet "Design Info" for imperviousness-based runoff coefficient values.

Sub-Area ID	Area (ac)	NRCS Hydrologic Soil Group	Percent Imperviousness	Runoff Coefficient, C						
				2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr
GRASS	11.07	C	2.0	0.01	0.05	0.15	0.33	0.40	0.49	0.59
GRAVEL	0.57	C	40.0	0.30	0.36	0.43	0.54	0.59	0.65	0.71
Total Area (ac)	11.64	Area-Weighted C		0.02	0.07	0.16	0.34	0.41	0.50	0.60
		Area-Weighted Override C		0.02	0.07	0.16	0.34	0.41	0.50	0.60

Area-Weighted Runoff Coefficient Calculations

Version 2.00 released May 2017

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Company: 2N CIVIL, LLC
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Project: TAPIA RESIDENCES
Location: ADAMS COUNTY



Subcatchment Name
EX-3

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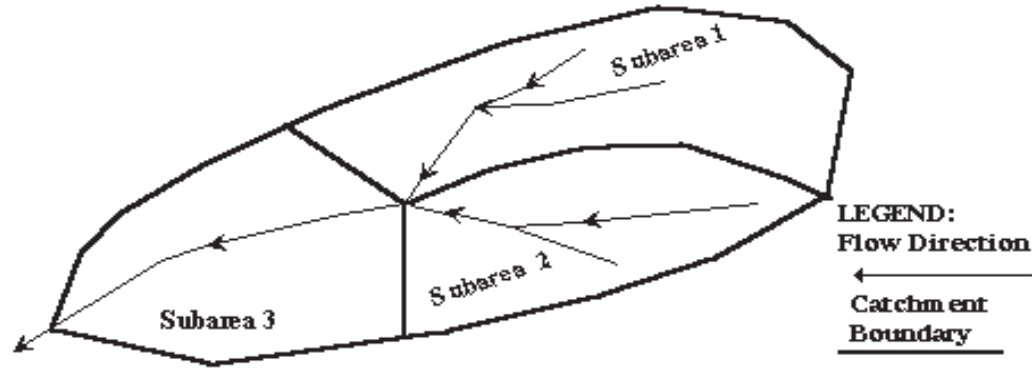
See sheet "Design Info" for imperviousness-based runoff coefficient values.

Sub-Area ID	Area (ac)	NRCS Hydrologic Soil Group	Percent Imperviousness	Runoff Coefficient, C						
				2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr
GRASS	1.23	C	2.0	0.01	0.05	0.15	0.33	0.40	0.49	0.59
GRAVEL	0.05	C	40.0	0.30	0.36	0.43	0.54	0.59	0.65	0.71
Total Area (ac)	1.28	Area-Weighted C		0.02	0.06	0.16	0.34	0.41	0.50	0.60
		Area-Weighted Override C		0.02	0.06	0.16	0.34	0.41	0.50	0.60

Area-Weighted Runoff Coefficient Calculations

Version 2.00 released May 2017

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Date: 6/16/2023
Project: TAPIA RESIDENCES
Location: ADAMS COUNTY



Subcatchment Name
PR-1 (12%)

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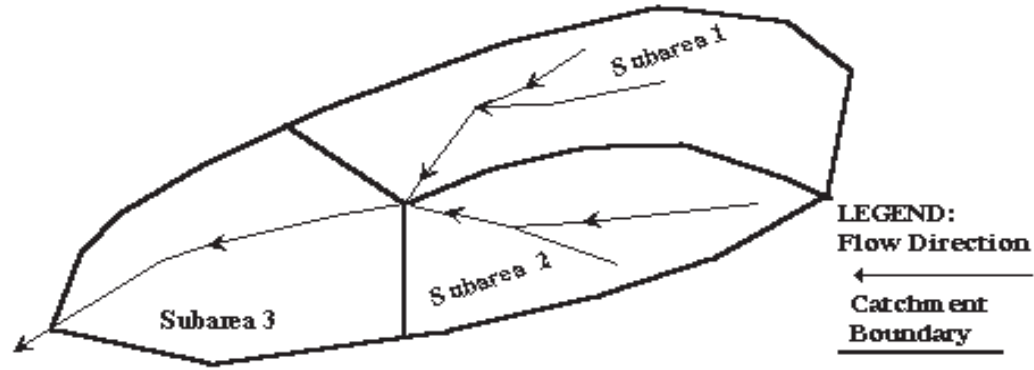
See sheet "Design Info" for imperviousness-based runoff coefficient values.

Sub-Area ID	Area (ac)	NRCS Hydrologic Soil Group	Percent Imperviousness	Runoff Coefficient, C						
				2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr
SINGLE FAMILY	25.56	C	12.0	0.08	0.13	0.22	0.39	0.45	0.53	0.63
GRAVEL	0.30	C	40.0	0.30	0.36	0.43	0.54	0.59	0.65	0.71
Total Area (ac)	25.86			0.08	0.14	0.22	0.39	0.45	0.53	0.63
			Area-Weighted C	0.08	0.14	0.22	0.39	0.45	0.53	0.63
			Area-Weighted Override C	0.08	0.14	0.22	0.39	0.45	0.53	0.63

Area-Weighted Runoff Coefficient Calculations

Version 2.00 released May 2017

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Date: 6/16/2023
Project: TAPIA RESIDENCES
Location: ADAMS COUNTY



Subcatchment Name
PR-2 (12%)

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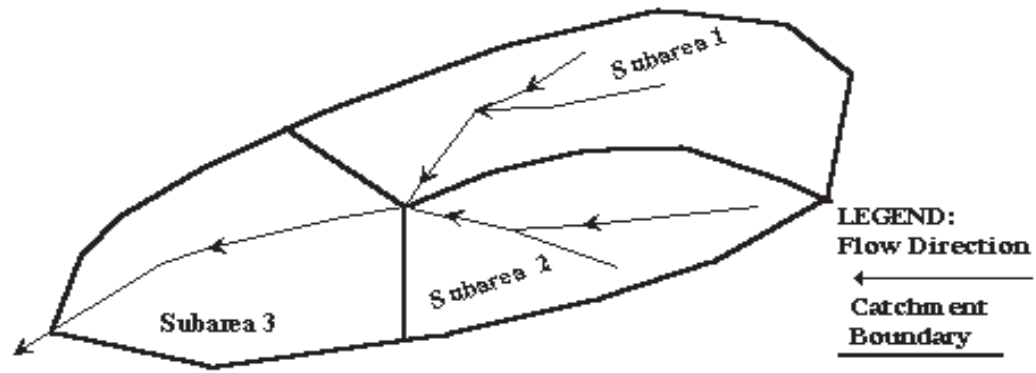
See sheet "Design Info" for imperviousness-based runoff coefficient values.

Sub-Area ID	Area (ac)	NRCS Hydrologic Soil Group	Percent Imperviousness	Runoff Coefficient, C						
				2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr
SINGLE FAMILY	11.07	C	12.0	0.08	0.13	0.22	0.39	0.45	0.53	0.63
GRAVEL	0.57	C	40.0	0.30	0.36	0.43	0.54	0.59	0.65	0.71
Total Area (ac)	11.64	Area-Weighted C		0.09	0.14	0.23	0.39	0.46	0.54	0.63
		Area-Weighted Override C		0.09	0.14	0.23	0.39	0.46	0.54	0.63

Area-Weighted Runoff Coefficient Calculations

Version 2.00 released May 2017

Designer: RYAN EICHELE, P.E.
Company: 2N CIVIL, LLC
Date: 6/16/2023
Project: TAPIA RESIDENCES
Location: ADAMS COUNTY



Subcatchment Name
PR-3 (12%)

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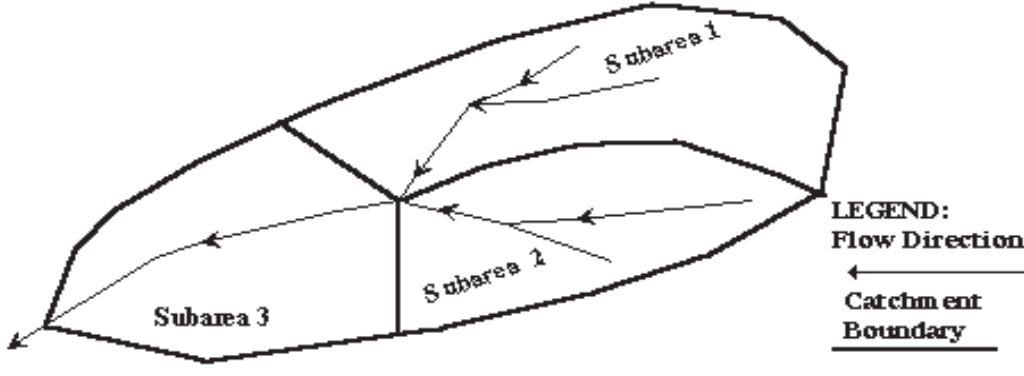
See sheet "Design Info" for imperviousness-based runoff coefficient values.

Sub-Area ID	Area (ac)	NRCS Hydrologic Soil Group	Percent Imperviousness	Runoff Coefficient, C						
				2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr
SINGLE FAMILY	1.23	C	12.0	0.08	0.13	0.22	0.39	0.45	0.53	0.63
GRAVEL	0.05	C	40.0	0.30	0.36	0.43	0.54	0.59	0.65	0.71
Total Area (ac)	1.28		Area-Weighted C	0.09	0.14	0.23	0.39	0.46	0.54	0.63
			Area-Weighted Override C	0.09	0.14	0.23	0.39	0.46	0.54	0.63

Area-Weighted Runoff Coefficient Calculations

Version 2.00 released May 2017

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Location: ADAMS COUNTY



Subcatchment Name
PR-1 (5%)

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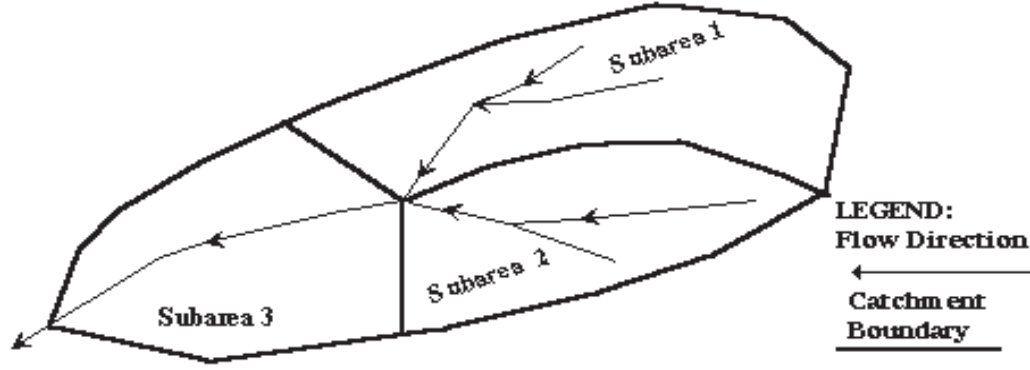
See sheet "Design Info" for imperviousness-based runoff coefficient values.

Sub-Area ID	Area (ac)	NRCS Hydrologic Soil Group	Percent Imperviousness	Runoff Coefficient, C						
				2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr
SINGLE FAMILY	25.56	C	5.0	0.03	0.08	0.17	0.35	0.42	0.50	0.60
GRAVEL	0.30	C	40.0	0.30	0.36	0.43	0.54	0.59	0.65	0.71
Total Area (ac)	25.86	Area-Weighted C		0.03	0.08	0.17	0.35	0.42	0.51	0.61
		Area-Weighted Override C		0.03	0.08	0.17	0.35	0.42	0.51	0.61

Area-Weighted Runoff Coefficient Calculations

Version 2.00 released May 2017

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Company: 2N CIVIL, LLC
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Location: ADAMS COUNTY



Subcatchment Name
PR-2 (5%)

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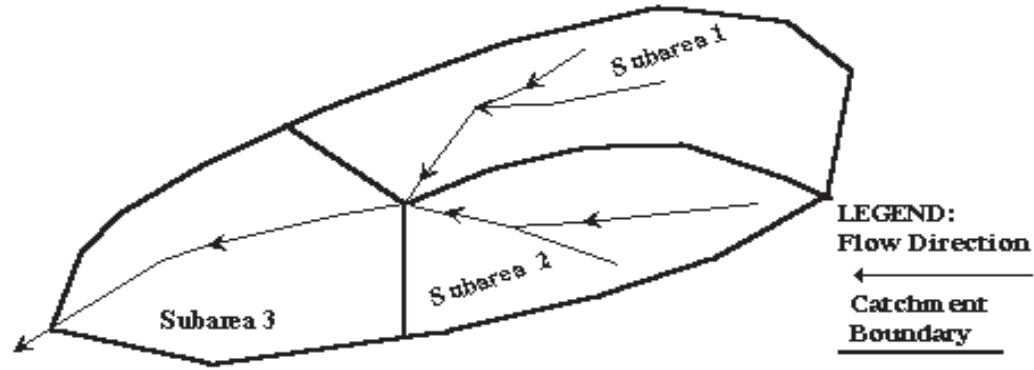
See sheet "Design Info" for imperviousness-based runoff coefficient values.

Sub-Area ID	Area (ac)	NRCS Hydrologic Soil Group	Percent Imperviousness	Runoff Coefficient, C						
				2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr
SINGLE FAMILY	11.07	C	5.0	0.03	0.08	0.17	0.35	0.42	0.50	0.60
GRAVEL	0.57	C	40.0	0.30	0.36	0.43	0.54	0.59	0.65	0.71
Total Area (ac)	11.64	Area-Weighted C		0.04	0.09	0.18	0.36	0.43	0.51	0.61
		Area-Weighted Override C		0.04	0.09	0.18	0.36	0.43	0.51	0.61

Area-Weighted Runoff Coefficient Calculations

Version 2.00 released May 2017

Designer: RYAN EICHELE, P.E.
Company: 2N CIVIL, LLC
Date: 6/16/2023
Project: TAPIA RESIDENCES
Location: ADAMS COUNTY



Subcatchment Name
PR-3 (5%)

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See sheet "Design Info" for imperviousness-based runoff coefficient values.

Sub-Area ID	Area (ac)	NRCS Hydrologic Soil Group	Percent Imperviousness	Runoff Coefficient, C						
				2-yr	5-yr	10-yr	25-yr	50-yr	100-yr	500-yr
SINGLE FAMILY	1.23	C	5.0	0.03	0.08	0.17	0.35	0.42	0.50	0.60
GRAVEL	0.05	C	40.0	0.30	0.36	0.43	0.54	0.59	0.65	0.71
Total Area (ac)	1.28	Area-Weighted C		0.04	0.09	0.18	0.35	0.42	0.51	0.61
		Area-Weighted Override C		0.04	0.09	0.18	0.35	0.42	0.51	0.61

Tapia Residences - Stormwater Calculations
Existing Conditions - Composite % Impervious Value

16-Jun-23



Basin EX-1

Land Use	Area	% I
Historic	25.56	2%
Gravel (packed)	0.30	40%
Sum Area =	25.86	
Composite % =		2.44%

Basin EX-2

Land Use	Area	% I
Historic	11.07	2%
Gravel (packed)	0.57	40%
Sum Area =	11.64	
Composite % =		3.86%

Basin EX-3

Land Use	Area	% I
Historic	1.23	2%
Gravel (packed)	0.05	40%
Sum Area =	1.28	
Composite % =		3.48%

Tapia Residences - Stormwater Calculations
Existing Conditions - Summary Runoff Table

16-Jun-23



Summary Runoff Table - Existing Conditions

DESIGN POINT	CONTRIBUTING BASIN(S)	CONTRIBUTING AREA (AC)	Q ₁₀ (cfs)	Q ₁₀₀ (cfs)	NOTES:
1	EX-1	25.86	8.75	46.49	Flows to Lost Sand Creek
2	EX-3	11.64	3.60	18.11	Flows to Lost Sand Creek
3	EX-3	1.28	0.59	2.98	Flows to Lost Sand Creek

Tapia Residences - Stormwater Calculations
Proposed Conditions - Composite % Impervious Value

16-Jun-23



Basin PR-1

Land Use	Area	% I
Gravel (packed)	0.30	40%
Single Family (2.5 ac or greater)	25.56	12%
Sum Area =	25.86	
Composite % =		12.32%

Basin PR-2

Land Use	Area	% I
Gravel (packed)	0.57	40%
Single Family (2.5 ac or greater)	11.07	12%
Sum Area =	11.64	
Composite % =		13.37%

Basin PR-3

Land Use	Area	% I
Gravel (packed)	0.05	40%
Single Family (2.5 ac or greater)	1.23	12%
Sum Area =	1.28	
Composite % =		13.09%

Basin PR-1

Land Use	Area	% I
Gravel (packed)	0.30	40%
Single Family (2.5 ac or greater)	25.56	5%
Sum Area =	25.86	
Composite % =		5.41%

Basin PR-2

Land Use	Area	% I
Gravel (packed)	0.57	40%
Single Family (2.5 ac or greater)	11.07	5%
Sum Area =	11.64	
Composite % =		6.71%

Basin PR-3

Land Use	Area	% I
Gravel (packed)	0.05	40%
Single Family (2.5 ac or greater)	1.23	5%
Sum Area =	1.28	
Composite % =		6.37%

Tapia Residences - Stormwater Calculations
Proposed Conditions - Summary Runoff Table

16-Jun-23



Summary Runoff Table - Proposed Conditions

DESIGN POINT	CONTRIBUTING BASIN(S)	CONTRIBUTING AREA (AC)	Q ₁₀ (cfs) 12% IMPERV	Q ₁₀₀ (cfs) 12% IMPERV	Q ₁₀ (cfs) 5% IMPERV	Q ₁₀₀ (cfs) 5% IMPERV	NOTES:
1	PR-1	25.86	13.72	53.15	10.18	48.41	Flows to Lost Sand Creek
2	PR-2	11.64	5.54	20.89	4.17	18.99	Flows to Lost Sand Creek
3	PR-3	1.28	0.88	3.34	0.67	3.09	Flows to Lost Sand Creek

EXISTING DRAINAGE PLAN

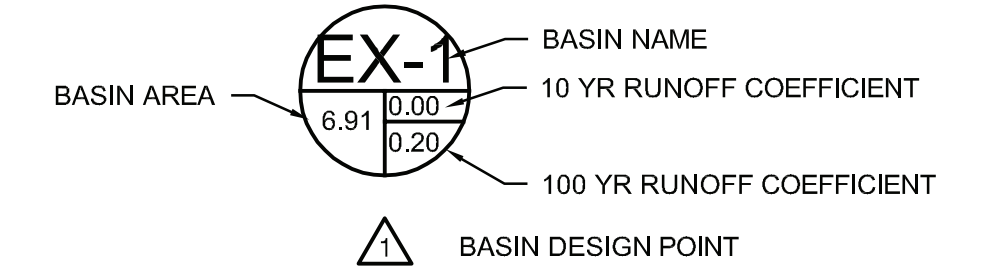
TAPIA RESIDENCES

LOCATED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 63 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF ADAMS, STATE OF COLORADO



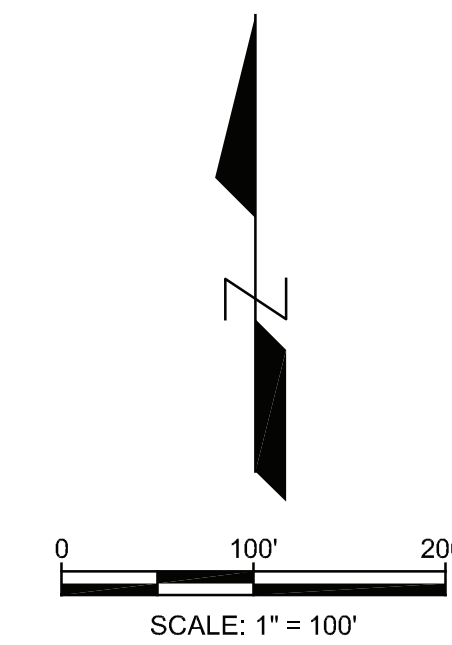
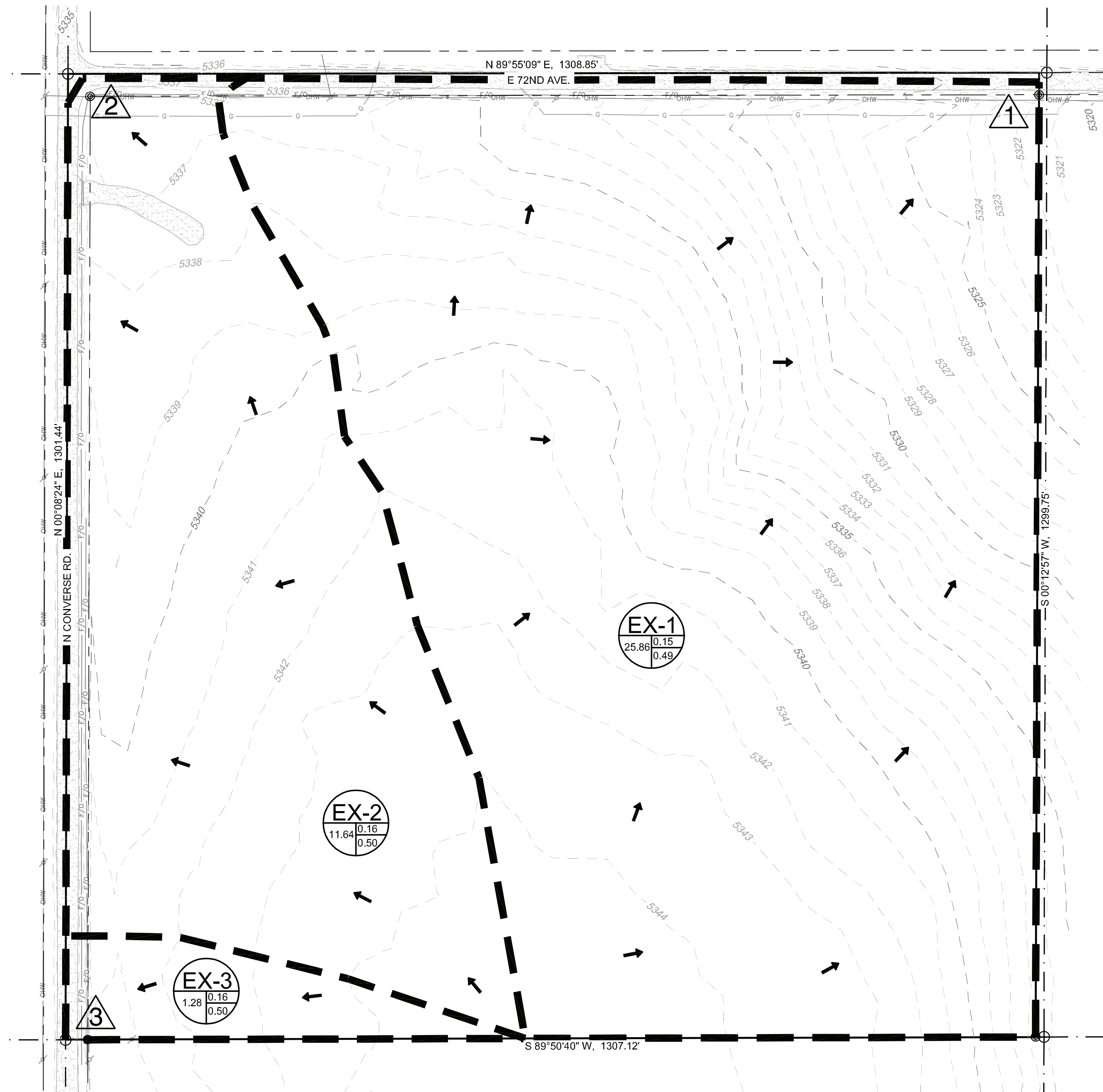
LEGEND

- 6550 --- EXISTING MAJOR CONTOUR
- 6551 --- EXISTING MINOR CONTOUR
- EXISTING FLOW DIRECTION
- EXISTING DRAINAGE BASIN LINES



Summary Runoff Table - Existing Conditions

DESIGN POINT	CONTRIBUTING BASIN(S)	CONTRIBUTING AREA (AC)	Q ₁₀ (cfs)	Q ₁₀₀ (cfs)	NOTES:
1	EX-1	25.86	8.75	46.49	Flows to Lost Sand Creek
2	EX-3	11.64	3.60	18.11	Flows to Lost Sand Creek
3	EX-3	1.28	0.59	2.98	Flows to Lost Sand Creek



PREPARED FOR:
TAPIA, LLC

EXISTING DRAINAGE PLAN
TAPIA RESIDENCES
ADAMS COUNTY, COLORADO

BY: DATE:

REVISIONS:

- 1.
- 2.
- 3.
- 4.

PROJECT NUMBER: 23004

ISSUED DATE: 6/16/2023

DESIGNED BY: RCE

REVIEWED BY: RCE

EXISTING DRAINAGE PLAN

PROPOSED DRAINAGE PLAN

TAPIA RESIDENCES

LOCATED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 63 WEST OF THE SIXTH PRINCIPAL MERIDIAN, COUNTY OF ADAMS, STATE OF COLORADO



PREPARED FOR:
TAPIA, LLC

PROPOSED DRAINAGE PLAN
TAPIA RESIDENCES
ADAMS COUNTY, COLORADO

BY: DATE:

REVISIONS:
1.
2.
3.
4.

PROJECT NUMBER: 23004

ISSUED DATE: 6/16/2023

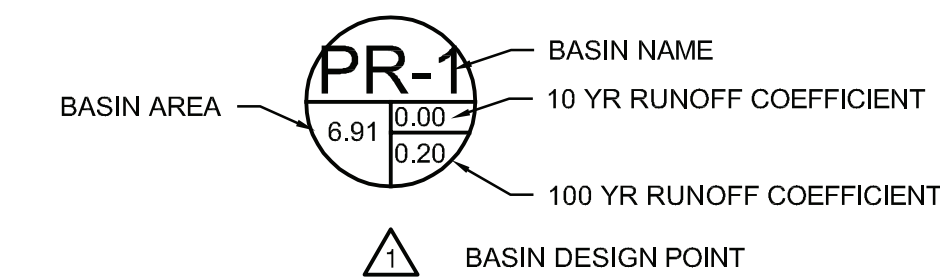
DESIGNED BY: RCE

REVIEWED BY: RCE

PROPOSED DRAINAGE PLAN

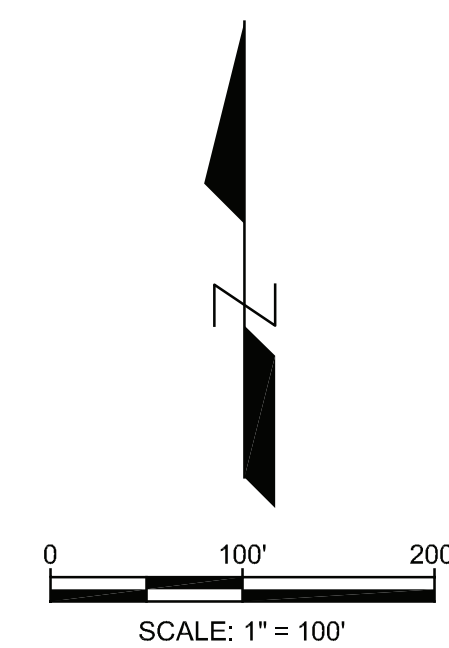
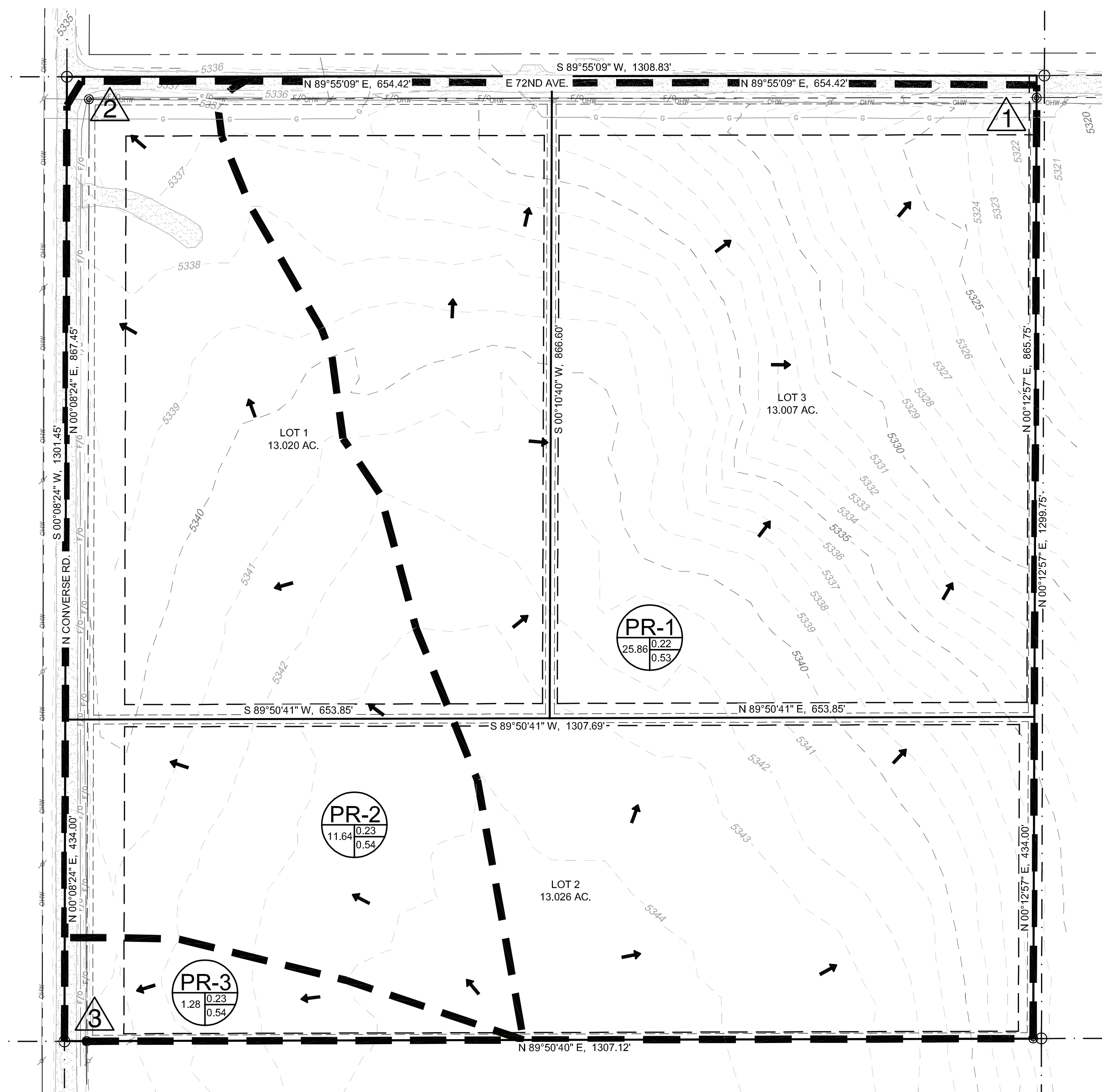
LEGEND

- 6550 --- EXISTING MAJOR CONTOUR
- 6551 --- EXISTING MINOR CONTOUR
- EXISTING FLOW DIRECTION
- PROPOSED DRAINAGE BASIN LINES



Summary Runoff Table - Proposed Conditions

DESIGN POINT	CONTRIBUTING BASIN(S)	CONTRIBUTING AREA (AC)	Q ₁₀ (cfs) 12% IMPERV	Q ₁₀₀ (cfs) 12% IMPERV	Q ₁₀ (cfs) 5% IMPERV	Q ₁₀₀ (cfs) 5% IMPERV	NOTES:
1	PR-1	25.86	13.72	53.15	10.18	48.41	Flows to Lost Sand Creek
2	PR-2	11.64	5.54	20.89	4.17	18.99	Flows to Lost Sand Creek
3	PR-3	1.28	0.88	3.34	0.67	3.09	Flows to Lost Sand Creek



**COLORADO GROUND WATER COMMISSION
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR A DETERMINATION OF A RIGHT TO AN ALLOCATION OF
GROUNDWATER IN THE LOST CREEK DESIGNATED GROUNDWATER BASIN

DETERMINATION NO.: 4674-BD

AQUIFER: Laramie-Fox Hills

APPLICANT: Juan Tapia Alamillo and Emma Alamillo

In compliance with section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, Juan Tapia Alamillo and Emma Alamillo (Applicant) submitted an application to the Colorado Ground Water Commission (Commission) for a determination of a right to an allocation of designated groundwater from the Laramie-Fox Hills Aquifer.

FINDINGS

1. The application was received by the Commission on February 14, 2024.
2. The Applicant requests a determination of right to an allocation of designated groundwater (Determination) in the Laramie-Fox Hills aquifer (Aquifer) underlying 39.0532 acres, generally described as part of the NW 1/4 of the NW 1/4 of Section 3, Township 3 South, Range 63 West, Sixth P.M., in Adams County (Overlying Land). According to a Nontributary Groundwater Landownership Statement dated March 5, 2024, attached hereto as Exhibit A, the Applicant owns the 39.0532 acres of land, which are further described in said Ownership Statement, and claims control of the right to the groundwater in the Aquifer underlying the land.
3. The Overlying Land is located within the boundaries of the Lost Creek Designated Groundwater Basin and Lost Creek Ground Water Management District. The Commission has jurisdiction over the designated groundwater that is the subject of this Determination.
4. The Commission's Staff has evaluated the application relying on the claims to control of the groundwater in the Aquifer underlying the Overlying Land made by the Applicant.
5. The Applicant intends to apply the groundwater in the Aquifer underlying the Overlying Land to the following beneficial uses: domestic, including in-house use; irrigation; agricultural; commercial; industrial; fire protection; livestock watering; replacement; and recreational uses. The Applicant's proposed place of use of the groundwater in the Aquifer underlying the Overlying Land is the above described 39.0532 acres of Overlying Land.
6. Pursuant to section 37-90-107(7)(a), and in accordance with the Designated Basin Rules, the Commission shall allocate the groundwater in the Aquifer underlying the Overlying Land on the basis of the ownership of the Overlying Land.
7. The amount of water in storage in the Aquifer underlying the 39.0532 acres of Overlying Land claimed by the Applicant is 820 acre-feet. This determination was based on the following as specified in the Designated Basin Rules.
 - a. The average specific yield of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 15 percent.

- b. The average thickness of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 140 feet.
8. A review of the records in the Office of the State Engineer has disclosed that none of the groundwater in the Aquifer underlying the Overlying Land has been either previously determined to be allocated by the Commission, has been permitted for withdrawal by large capacity wells that have rights that were initiated prior to November 19, 1973 that are subject to section 37-90-107(7)(b), or has been permitted for withdrawal by existing small capacity wells withdrawing water under permits issued pursuant to section 37-90-105, C.R.S. The amount of designated groundwater in the Aquifer underlying the Overlying Land that is available for allocation in this Determination is 820 acre-feet.
9. Pursuant to section 37-90-107(7)(c)(III), an approved determination of a right to an allocation shall be considered a final determination of the amount of groundwater so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
10. Pursuant to section 37-90-107(7)(d), the Commission has authority to issue well permits pursuant to subsection 107(7) (i.e. permits for large capacity wells) for the withdrawal of designated groundwater from the Aquifer. Pursuant to section 37-90-107(7)(a) the Commission shall adopt the necessary rules to carry out the provisions of subsection (7). Pursuant to section 37-90-111(h), C.R.S., the Commission is empowered to adopt rules necessary to carry out the provisions of Article 90 of Title 37. In accordance with that authority, the Commission has adopted the Rules and Regulations for the Management and Control of Designated Ground Water (2 CCR 410-1) (“Designated Basin Rules”, or “Rules”).
11. Large capacity well permits issued pursuant to section 37-90-107(7) are subject to the following provisions of statute and the Designated Basin Rules.
 - a. Pursuant to section 37-90-107(7)(a) well permits issued pursuant to subsection 107(7) shall allow withdrawals on the basis of an aquifer life of one hundred years. The 820 acre-feet of water in the Aquifer underlying the Overlying Land available for allocation in this Determination, if permitted for withdrawal by large capacity wells on the basis of an aquifer life of one hundred years, would result in an allowed average annual amount of withdrawal of 8.2 acre-feet per year.
 - b. Any amounts of groundwater in the Aquifer allocated in this Determination that are permitted for withdrawal pursuant to section 37-90-105, by small capacity well permits issued after the issuance of this Determination reduce the amount of water, and the allowed average annual amount of withdrawal, that may be withdrawn by wells permitted pursuant to section 37-90-107(7).
 - c. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of groundwater from the Aquifer underlying the Overlying Land will not, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the groundwater in the Aquifer underlying the Overlying Land is nontributary groundwater as defined in Rule 4.2.22 of the Designated Basin Rules. Pursuant to the Rules, no more than 98% of the amount of the groundwater in the Aquifer underlying the Overlying Land withdrawn annually shall be consumed.

12. Pursuant to section 37-90-105(1), the State Engineer has the authority to approve small capacity well permits. While water withdrawn from the Aquifer from beneath the Overlying Land by small capacity wells may consist of the groundwater allocated herein, the Commission recognizes that in approving small capacity permits the State Engineer is not bound by the terms and conditions of this Determination, and may approve small capacity permits based on standards and with such conditions as the State Engineer considers appropriate.
13. The ability of wells permitted to withdraw the authorized amount of water from this nonrenewable Aquifer may be less than the one hundred years upon which the amount of water in the Aquifer is allocated, due to anticipated water level declines.
14. On March 29, 2024, in accordance with Rule 9.1 of the Designated Basin Rules, written recommendations concerning this application were requested from the Lost Creek Ground Water Management District. No written recommendations from the District were received.
15. In accordance with sections 37-90-107(7)(c)(II) and 37-90-112, C.R.S., the application was published in the Eastern Colorado News newspaper on April 5, 2024 and April 12, 2024. No objections to the application were received within the time limit set by statute.

ORDER

In accordance with section 37-90-107(7) and the Designated Basin Rules, the Commission hereby determines a right to an allocation of designated groundwater in the Laramie-Fox Hills Aquifer underlying 39.0532 acres of land, generally described as part of the NW 1/4 of the NW 1/4 of Section 3, Township 3 South, Range 63 West, Sixth P.M., further described in Exhibit A, subject to the following conditions.

16. The amount (i.e. volume) of water in the Aquifer underlying the 39.0532 acres of Overlying Land allocated herein is 820 acre-feet (Underlying Groundwater).
17. The amount (i.e. volume) of Underlying Groundwater allocated herein shall be considered final, except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes, if such information indicates that the initial estimate of the amount of Underlying Groundwater in the Aquifer was incorrect.
18. Approval of this Determination meets the requirements of section 37-90-107(7)(d)(II), that requires a determination of groundwater to be withdrawn by a well be made prior to the granting of a well permit pursuant to section 37-90-107(7).
19. Well permits issued pursuant to section 37-90-107(7), (i.e. large capacity wells) and this Determination are subject to the following conditions.
 - a. The total amount of Underlying Groundwater that may be withdrawn from the Aquifer by all large capacity wells permitted pursuant to this Determination may not exceed a volume 820 acre-feet, less any amount of the Underlying Groundwater allocated herein permitted to be withdrawn by small capacity wells issued permits pursuant to section 37-90-105 after the issuance of this Determination. The amounts of water permitted to

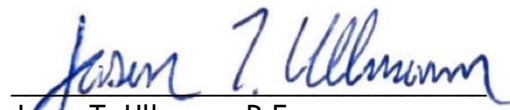
be withdrawn by such small capacity wells shall be considered to be one-hundred times the annual withdrawals permitted to be withdrawn by those wells.

- b. The allowed average annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water shall be equal to the volume of water permitted to be withdrawn by that well (or well field) divided by one-hundred years.
- c. The allowed maximum annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water may exceed the allowed average annual amount of withdrawal allowed by the well permit(s) as long as the total volume of water withdrawn by such well(s) does not exceed the product of the number of years since the date(s) of issuance of the well permit(s) times the allowed average annual amount of withdrawal allowed by the well permit(s).
- d. The Applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
- e. No more than 98% of the amount of Underlying Groundwater withdrawn annually shall be consumed. The Commission may require well owners to demonstrate periodically that no more than 98% of the Underlying Groundwater withdrawn annually is being consumed.
- f. The use of the Underlying Groundwater shall be limited to the following beneficial uses: domestic, including in-house use; irrigation; agricultural; commercial; industrial; fire protection; livestock watering; replacement; and recreational uses. The place of use of the Underlying Groundwater shall be limited to the above described 39.0532 acres of Overlying Land. The Underlying Groundwater that is the subject of this Determination may be reused and successively used to extinction to the extent dominion and control over the water is maintained and its volume can be distinguished from the volume of any stream system into which it is introduced to the satisfaction of the Commission. The Underlying Groundwater is located within the Lost Creek Ground Water Management District where local District rules apply which may further limit the withdrawal and use of the subject designated groundwater.
- g. The wells must be located on the above described 39.0532 acres of Overlying Land.
- h. No well shall be located within 600 feet of any existing large-capacity well in the same Aquifer unless a Waiver of Claim of Injury is obtained from the owner of the existing well or unless the Commission, after a hearing, finds that circumstances in a particular instance warrant that a well may be permitted without regard to this limitation.
- i. The wells must be constructed to withdraw water from only the Laramie-Fox Hills Aquifer.
- j. The entire depth of each well must be geophysically logged prior to installing the casing in the same manner as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
- k. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual

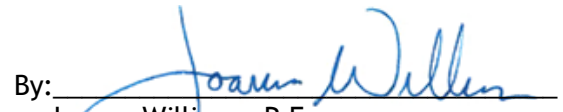
diversion records shall be collected and permanently maintained by the well owner and submitted to the Commission and the Lost Creek Ground Water Management District upon request.

- l. The well shall be marked in a conspicuous place with this determination number, the well permit number, and the name of the Aquifer. The well owner shall take necessary means and precautions to preserve these markings.
20. A copy of this Determination shall be recorded by the Applicant in the public records of the county in which the Overlying Land is located so that a title examination of the above described 39.0532 acres of Overlying Land area, or any part thereof, shall reveal the existence of this Determination.
21. The right to an allocation of designated groundwater determined herein is a vested property right with specific ownership. Some or all of the water right may be transferred independent of the land under which the right originated. Any action taken that is intended to convey, transfer, and/or sell the subject water right shall explicitly identify this Determination number, the specific Aquifer, and the total amount (i.e. volume) of the right that is being conveyed.

Dated this 16th day of May, 2024.



Jason T. Ullmann, P.E.
Executive Director
Colorado Ground Water Commission

By: 

Joanna Williams, P.E.
Chief of Water Supply, Designated Basins

NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

This form is to be submitted with applications for the following, when the applicant is the owner of the overlying land.

1) A well permit to withdraw groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or other aquifer the applicant claims contains nontributary groundwater, outside of a Designated Groundwater Basin subject to section 37-90-137(4), C.R.S., except when the right to withdraw the groundwater has been determined by a valid decree; OR

2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin.

NOTE: Form submittal instructions can be found on our website Colorado.gov/water. See instructions on the reverse of this form. Type or print in black or blue ink.

1. APPLICANT INFORMATION			
Name of Applicant Juan Tapia Alamillo and Emma Alamillo c/o Hayes Poznanovic Korver LLC			
Mailing Address	City	State	Zip Code
700 17th Street, Suite 1800, Denver, CO, 80202			
Telephone Number (include area code)	Email		
303-825-1980	eric@hpkwaterlaw.com		
2. AQUIFER Laramie-Fox Hills			
3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located.			
Number of acres: <u>39.0532</u> in the county of: <u>Adams</u>			
described as follows (insert legal description).			
<u>See attached deed and legal description.</u>			

- I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.			
4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions).			
5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.			
Signature:			Date: March 5, 2024
Print name and title: Eric K Trout - Attorney - Hayes Poznanovic Korver LLC			

Electronically Recorded RECEPTION#: 2021000049516,
4/22/2021 at 2:31 PM, 1 OF 3,
REC: \$23.00 DocStamp: \$20.00
TD Pgs: 2 Josh Zygielbaum, Adams County, CO.



State Documentary Fee
Date: April 09, 2021
\$20.00

General Warranty Deed
(Pursuant to C.R.S. 38-30-113(1)(a))

Grantor(s), **THE RICHARD W. MEYER FAMILY TRUST**, whose street address is **000 EAST 72ND AVENUE, BENNETT, CO 80102**, City or Town of **BENNETT**, County of **Adams** and State of **Colorado**, for the consideration of **(\$200,000.00) ***Two Hundred Thousand and 00/100***** dollars, in hand paid, hereby sell(s) and convey(s) to **EMMA ALAMILLO AND JUAN TAPIA ALAMILLO**, as Joint Tenants whose street address is **4936 Fraser Way, Denver, CO 80239**, City or Town of **Denver**, County of **Denver** and State of **Colorado**, the following real property in the County of **Adams** and State of **Colorado**, to wit:

See Attached Exhibit A

also known by street and number as: **000 EAST 72ND AVENUE, BENNETT, CO 80102**

with all its appurtenances and warrant(s) the title to the same, subject to Statutory Exceptions.

Signed this day of **April 09, 2021**.

THE RICHARD W. MEYER FAMILY TRUST

By: *Timothy S. Meyer*
TIMOTHY S. MEYER, TRUSTEE

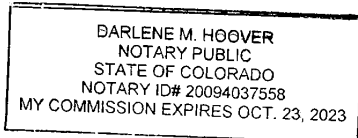
By: SEE ATTACHED SIGNATURE PAGE
TRACY A. BIDDULPH A/K/A TRACY A. MEYER, TRUSTEE

State of **Colorado**)
)ss.
City and County of **Denver**)

The foregoing instrument was acknowledged before me on this day of **April 9th, 2021** by **TIMOTHY S. MEYER AS TRUSTEE FOR THE RICHARD W. MEYER FAMILY TRUST**

Witness my hand and official seal,

My Commission expires: *10/23/2023* *Darlene M. Hoover*
Notary Public



When recorded return to: **EMMA ALAMILLO AND JUAN TAPIA ALAMILLO**
4936 Fraser Way, Denver, CO 80239



SIGNATURE PAGE ATTACHMENT EXHIBIT

ADDRESS: 000 EAST 72ND AVENUE, BENNETT, CO 80102

THE RICHARD W. MEYER FAMILY TRUST

Tracy A. Biddulph
TRACY A. BIDDULPH A/K/A TRACY A. MEYER,
TRUSTEE

State of Virginia)
City of Fredericksburg)ss
County of Stafford)

The foregoing instrument was acknowledged before me on this day of **April 9th, 2021**
by **TRACY A. BIDDULPH A/K/A TRACY A. MEYER AS TRUSTEE FOR THE RICHARD W. MEYER FAMILY TRUST**

[Signature]
Notary Public

My Commission expires 05/31/2025

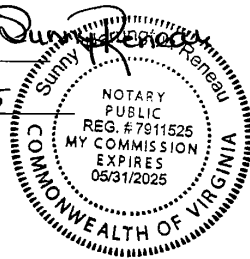


Exhibit A

Escrow No. 70710576

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 63 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 3, AND CONSIDERING THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 3, TO BEAR SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO;

THENCE SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, A DISTANCE OF 1301.44 FEET TO THE NORTH SIXTEENTH CORNER BETWEEN SECTIONS 3 & 4; THENCE NORTH 89 DEGREES 50 MINUTES 40 SECONDS EAST, ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3, A DISTANCE OF 1307.12 FEET TO A POINT ON THE WEST LINE OF A PARCEL OF PROPERTY AS DESCRIBED IN DOCUMENT RECORDED JANUARY 31, 2019 AT RECEPTION NUMBER 2019000007689 OF THE ADAMS COUNTY RECORDS; THENCE NORTH 00 DEGREES 12 MINUTES 57 SECONDS EAST ALONG SAID WEST LINE, A DISTANCE OF 1299.75 FEET TO A POINT ON THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3; THENCE SOUTH 89 DEGREES 55 MINUTES 09 SECONDS WEST, ALONG SAID NORTH LINE, A DISTANCE OF 1308.85 FEET TO SAID NORTHWEST CORNER OF SECTION 3, AND THE POINT OF BEGINNING.

LEGAL DESCRIPTION PREPARED BY KEITH WESTFALL, COLORADO P.L.S. 30127

**COLORADO GROUND WATER COMMISSION
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR A DETERMINATION OF A RIGHT TO AN ALLOCATION OF
GROUNDWATER IN THE LOST CREEK DESIGNATED GROUNDWATER BASIN

DETERMINATION NO.: 4675-BD

AQUIFER: Lower Arapahoe

APPLICANT: Juan Tapia Alamillo and Emma Alamillo

In compliance with section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, Juan Tapia Alamillo and Emma Alamillo (Applicant) submitted an application to the Colorado Ground Water Commission (Commission) for a determination of a right to an allocation of designated groundwater from the Lower Arapahoe Aquifer.

FINDINGS

1. The application was received by the Commission on February 14, 2024.
2. The Applicant requests a determination of right to an allocation of designated groundwater (Determination) in the Lower Arapahoe aquifer (Aquifer) underlying 39.0532 acres, generally described as part of the NW 1/4 of the NW 1/4 of Section 3, Township 3 South, Range 63 West, Sixth P.M., in Adams County (Overlying Land). According to a Nontributary Groundwater Landownership Statement dated March 5, 2024, attached hereto as Exhibit A, the Applicant owns the 39.0532 acres of land, which are further described in said Ownership Statement, and claims control of the right to the groundwater in the Aquifer underlying the land.
3. The Overlying Land is located within the boundaries of the Lost Creek Designated Groundwater Basin and Lost Creek Ground Water Management District. The Commission has jurisdiction over the designated groundwater that is the subject of this Determination.
4. The Commission's Staff has evaluated the application relying on the claims to control of the groundwater in the Aquifer underlying the Overlying Land made by the Applicant.
5. The Applicant intends to apply the groundwater in the Aquifer underlying the Overlying Land to the following beneficial uses: domestic, including in-house use; irrigation; agricultural; commercial; industrial; fire protection; livestock watering; replacement; and recreational uses. The Applicant's proposed place of use of the groundwater in the Aquifer underlying the Overlying Land is the above described 39.0532 acres of Overlying Land.
6. Pursuant to section 37-90-107(7)(a), and in accordance with the Designated Basin Rules, the Commission shall allocate the groundwater in the Aquifer underlying the Overlying Land on the basis of the ownership of the Overlying Land.
7. The amount of water in storage in the Aquifer underlying the 39.0532 acres of Overlying Land claimed by the Applicant is 631 acre-feet. This determination was based on the following as specified in the Designated Basin Rules.
 - a. The average specific yield of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 17 percent.

- b. The average thickness of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 95 feet.
8. A review of the records in the Office of the State Engineer has disclosed that none of the groundwater in the Aquifer underlying the Overlying Land has been either previously determined to be allocated by the Commission, has been permitted for withdrawal by large capacity wells that have rights that were initiated prior to November 19, 1973 that are subject to section 37-90-107(7)(b), or has been permitted for withdrawal by existing small capacity wells withdrawing water under permits issued pursuant to section 37-90-105, C.R.S. The amount of designated groundwater in the Aquifer underlying the Overlying Land that is available for allocation in this Determination is 631 acre-feet.
9. Pursuant to section 37-90-107(7)(c)(III), an approved determination of a right to an allocation shall be considered a final determination of the amount of groundwater so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
10. Pursuant to section 37-90-107(7)(d), the Commission has authority to issue well permits pursuant to subsection 107(7) (i.e. permits for large capacity wells) for the withdrawal of designated groundwater from the Aquifer. Pursuant to section 37-90-107(7)(a) the Commission shall adopt the necessary rules to carry out the provisions of subsection (7). Pursuant to section 37-90-111(h), C.R.S., the Commission is empowered to adopt rules necessary to carry out the provisions of Article 90 of Title 37. In accordance with that authority, the Commission has adopted the Rules and Regulations for the Management and Control of Designated Ground Water (2 CCR 410-1) (“Designated Basin Rules”, or “Rules”).
11. Large capacity well permits issued pursuant to section 37-90-107(7) are subject to the following provisions of statute and the Designated Basin Rules.
 - a. Pursuant to section 37-90-107(7)(a) well permits issued pursuant to subsection 107(7) shall allow withdrawals on the basis of an aquifer life of one hundred years. The 631 acre-feet of water in the Aquifer underlying the Overlying Land available for allocation in this Determination, if permitted for withdrawal by large capacity wells on the basis of an aquifer life of one hundred years, would result in an allowed average annual amount of withdrawal of 6.31 acre-feet per year.
 - b. Any amounts of groundwater in the Aquifer allocated in this Determination that are permitted for withdrawal pursuant to section 37-90-105, by small capacity well permits issued after the issuance of this Determination reduce the amount of water, and the allowed average annual amount of withdrawal, that may be withdrawn by wells permitted pursuant to section 37-90-107(7).
 - c. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of groundwater from the Aquifer underlying the Overlying Land will not, within one hundred years, deplete the flow of a natural stream or its alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the groundwater in the Aquifer underlying the Overlying Land is nontributary groundwater as defined in Rule 4.2.22 of the Designated Basin Rules. Pursuant to the Rules, no more than 98% of the amount of the groundwater in the Aquifer underlying the Overlying Land withdrawn annually shall be consumed.

12. Pursuant to section 37-90-105(1), the State Engineer has the authority to approve small capacity well permits. While water withdrawn from the Aquifer from beneath the Overlying Land by small capacity wells may consist of the groundwater allocated herein, the Commission recognizes that in approving small capacity permits the State Engineer is not bound by the terms and conditions of this Determination, and may approve small capacity permits based on standards and with such conditions as the State Engineer considers appropriate.
13. The ability of wells permitted to withdraw the authorized amount of water from this nonrenewable Aquifer may be less than the one hundred years upon which the amount of water in the Aquifer is allocated, due to anticipated water level declines.
14. On March 29, 2024, in accordance with Rule 9.1 of the Designated Basin Rules, written recommendations concerning this application were requested from the Lost Creek Ground Water Management District. No written recommendations from the District were received.
15. In accordance with sections 37-90-107(7)(c)(II) and 37-90-112, C.R.S., the application was published in the Eastern Colorado News newspaper on April 5, 2024 and April 12, 2024. No objections to the application were received within the time limit set by statute.

ORDER

In accordance with section 37-90-107(7) and the Designated Basin Rules, the Commission hereby determines a right to an allocation of designated groundwater in the Lower Arapahoe Aquifer underlying 39.0532 acres of land, generally described as part of the NW 1/4 of the NW 1/4 of Section 3, Township 3 South, Range 63 West, Sixth P.M., further described in Exhibit A, subject to the following conditions.

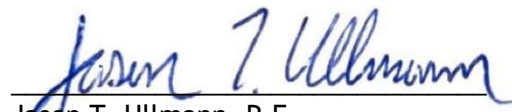
16. The amount (i.e. volume) of water in the Aquifer underlying the 39.0532 acres of Overlying Land allocated herein is 631 acre-feet (Underlying Groundwater).
17. The amount (i.e. volume) of Underlying Groundwater allocated herein shall be considered final, except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes, if such information indicates that the initial estimate of the amount of Underlying Groundwater in the Aquifer was incorrect.
18. Approval of this Determination meets the requirements of section 37-90-107(7)(d)(II), that requires a determination of groundwater to be withdrawn by a well be made prior to the granting of a well permit pursuant to section 37-90-107(7).
19. Well permits issued pursuant to section 37-90-107(7), (i.e. large capacity wells) and this Determination are subject to the following conditions.
 - a. The total amount of Underlying Groundwater that may be withdrawn from the Aquifer by all large capacity wells permitted pursuant to this Determination may not exceed a volume 631 acre-feet, less any amount of the Underlying Groundwater allocated herein permitted to be withdrawn by small capacity wells issued permits pursuant to section 37-90-105 after the issuance of this Determination. The amounts of water permitted to

- be withdrawn by such small capacity wells shall be considered to be one-hundred times the annual withdrawals permitted to be withdrawn by those wells.
- b. The allowed average annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water shall be equal to the volume of water permitted to be withdrawn by that well (or well field) divided by one-hundred years.
 - c. The allowed maximum annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water may exceed the allowed average annual amount of withdrawal allowed by the well permit(s) as long as the total volume of water withdrawn by such well(s) does not exceed the product of the number of years since the date(s) of issuance of the well permit(s) times the allowed average annual amount of withdrawal allowed by the well permit(s).
 - d. The Applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
 - e. No more than 98% of the amount of Underlying Groundwater withdrawn annually shall be consumed. The Commission may require well owners to demonstrate periodically that no more than 98% of the Underlying Groundwater withdrawn annually is being consumed.
 - f. The use of the Underlying Groundwater shall be limited to the following beneficial uses: domestic, including in-house use; irrigation; agricultural; commercial; industrial; fire protection; livestock watering; replacement; and recreational uses. The place of use of the Underlying Groundwater shall be limited to the above described 39.0532 acres of Overlying Land. The Underlying Groundwater that is the subject of this Determination may be reused and successively used to extinction to the extent dominion and control over the water is maintained and its volume can be distinguished from the volume of any stream system into which it is introduced to the satisfaction of the Commission. The Underlying Groundwater is located within the Lost Creek Ground Water Management District where local District rules apply which may further limit the withdrawal and use of the subject designated groundwater.
 - g. The wells must be located on the above described 39.0532 acres of Overlying Land.
 - h. No well shall be located within 600 feet of any existing large-capacity well in the same Aquifer unless a Waiver of Claim of Injury is obtained from the owner of the existing well or unless the Commission, after a hearing, finds that circumstances in a particular instance warrant that a well may be permitted without regard to this limitation.
 - i. The wells must be constructed to withdraw water from only the Lower Arapahoe Aquifer.
 - j. The entire depth of each well must be geophysically logged prior to installing the casing in the same manner as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
 - k. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and permanently maintained by the well owner and

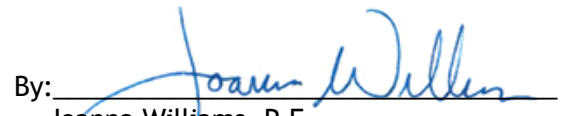
submitted to the Commission and the Lost Creek Ground Water Management District upon request.

- l. The well shall be marked in a conspicuous place with this determination number, the well permit number, and the name of the Aquifer. The well owner shall take necessary means and precautions to preserve these markings.
20. A copy of this Determination shall be recorded by the Applicant in the public records of the county in which the Overlying Land is located so that a title examination of the above described 39.0532 acres of Overlying Land area, or any part thereof, shall reveal the existence of this Determination.
21. The right to an allocation of designated groundwater determined herein is a vested property right with specific ownership. Some or all of the water right may be transferred independent of the land under which the right originated. Any action taken that is intended to convey, transfer, and/or sell the subject water right shall explicitly identify this Determination number, the specific Aquifer, and the total amount (i.e. volume) of the right that is being conveyed.

Dated this 16th day of May, 2024.



Jason T. Ullmann, P.E.
Executive Director
Colorado Ground Water Commission

By: 

Joanna Williams, P.E.
Chief of Water Supply, Designated Basins

NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

This form is to be submitted with applications for the following, when the applicant is the owner of the overlying land.

1) A well permit to withdraw groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or other aquifer the applicant claims contains nontributary groundwater, outside of a Designated Groundwater Basin subject to section 37-90-137(4), C.R.S., except when the right to withdraw the groundwater has been determined by a valid decree; OR

2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin.

NOTE: Form submittal instructions can be found on our website Colorado.gov/water. See instructions on the reverse of this form. Type or print in black or blue ink.

1. APPLICANT INFORMATION			
Name of Applicant Juan Tapia Alamillo and Emma Alamillo c/o Hayes Poznanovic Korver LLC			
Mailing Address 700 17th Street, Suite 1800, Denver, CO, 80202		City Denver	State CO
Telephone Number (include area code) 303-825-1980		Email eric@hpkwaterlaw.com	
2. AQUIFER Lower Arapahoe			
3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located. Number of acres: 39.0532 in the county of: Adams described as follows (insert legal description). See attached deed and legal description. _____ _____ _____ _____ _____ - I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.			
4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions).			
5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge. Signature: Eric K Trout Date: March 5, 2024 Print name and title: Eric K Trout - Attorney - Hayes Poznanovic Korver LLC			

Electronically Recorded RECEPTION#: 2021000049516,
4/22/2021 at 2:31 PM, 1 OF 3,
REC: \$23.00 DocStamp: \$20.00
TD Pgs: 2 Josh Zygielbaum, Adams County, CO.

Exhibit A
4675-BD
Page 2 of 4

Received
Feb. 16, 2024
DWR



State Documentary Fee
Date: April 09, 2021
\$20.00

General Warranty Deed
(Pursuant to C.R.S. 38-30-113(1)(a))

Grantor(s), **THE RICHARD W. MEYER FAMILY TRUST**, whose street address is **000 EAST 72ND AVENUE, BENNETT, CO 80102**, City or Town of **BENNETT**, County of **Adams** and State of **Colorado**, for the consideration of **(\$200,000.00) ***Two Hundred Thousand and 00/100***** dollars, in hand paid, hereby sell(s) and convey(s) to **EMMA ALAMILLO AND JUAN TAPIA ALAMILLO**, as Joint Tenants whose street address is **4936 Fraser Way, Denver, CO 80239**, City or Town of **Denver**, County of **Denver** and State of **Colorado**, the following real property in the County of **Adams** and State of **Colorado**, to wit:

See Attached Exhibit A

also known by street and number as: **000 EAST 72ND AVENUE, BENNETT, CO 80102**

with all its appurtenances and warrant(s) the title to the same, subject to Statutory Exceptions.

Signed this day of **April 09, 2021**.

THE RICHARD W. MEYER FAMILY TRUST

By: Timothy S. Meyer
TIMOTHY S. MEYER, TRUSTEE

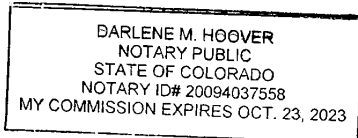
By: SEE ATTACHED SIGNATURE PAGE
TRACY A. BIDDULPH A/K/A TRACY A. MEYER, TRUSTEE

State of **Colorado**)
)ss.
City and County of **Denver**)

The foregoing instrument was acknowledged before me on this day of **April 9th, 2021** by **TIMOTHY S. MEYER AS TRUSTEE FOR THE RICHARD W. MEYER FAMILY TRUST**

Witness my hand and official seal,

My Commission expires: 10/23/2023 Darlene M. Hoover
Notary Public



When recorded return to: **EMMA ALAMILLO AND JUAN TAPIA ALAMILLO**
4936 Fraser Way, Denver, CO 80239



SIGNATURE PAGE ATTACHMENT EXHIBIT

ADDRESS: 000 EAST 72ND AVENUE, BENNETT, CO 80102

THE RICHARD W. MEYER FAMILY TRUST

Tracy A. Biddulph
TRACY A. BIDDULPH A/K/A TRACY A. MEYER,
TRUSTEE

State of Virginia)
City of Fredericksburg)ss
County of Stafford)

The foregoing instrument was acknowledged before me on this day of April 9th, 2021
by TRACY A. BIDDULPH A/K/A TRACY A. MEYER AS TRUSTEE FOR THE RICHARD W. MEYER FAMILY TRUST

[Signature]
Notary Public

My Commission expires 05/31/2025

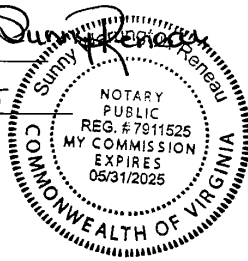


Exhibit A

Escrow No. 70710576

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 63 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 3, AND CONSIDERING THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 3, TO BEAR SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO;

THENCE SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, A DISTANCE OF 1301.44 FEET TO THE NORTH SIXTEENTH CORNER BETWEEN SECTIONS 3 & 4; THENCE NORTH 89 DEGREES 50 MINUTES 40 SECONDS EAST, ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3, A DISTANCE OF 1307.12 FEET TO A POINT ON THE WEST LINE OF A PARCEL OF PROPERTY AS DESCRIBED IN DOCUMENT RECORDED JANUARY 31, 2019 AT RECEPTION NUMBER 2019000007689 OF THE ADAMS COUNTY RECORDS; THENCE NORTH 00 DEGREES 12 MINUTES 57 SECONDS EAST ALONG SAID WEST LINE, A DISTANCE OF 1299.75 FEET TO A POINT ON THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3; THENCE SOUTH 89 DEGREES 55 MINUTES 09 SECONDS WEST, ALONG SAID NORTH LINE, A DISTANCE OF 1308.85 FEET TO SAID NORTHWEST CORNER OF SECTION 3, AND THE POINT OF BEGINNING.

LEGAL DESCRIPTION PREPARED BY KEITH WESTFALL, COLORADO P.L.S. 30127

**COLORADO GROUND WATER COMMISSION
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR A DETERMINATION OF A RIGHT TO AN ALLOCATION OF
GROUNDWATER IN THE LOST CREEK DESIGNATED GROUNDWATER BASIN

DETERMINATION NO.: 4676-BD

AQUIFER: Upper Arapahoe

APPLICANT: Juan Tapia Alamillo and Emma Alamillo

In compliance with section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, Juan Tapia Alamillo and Emma Alamillo (Applicant) submitted an application to the Colorado Ground Water Commission (Commission) for a determination of a right to an allocation of designated groundwater from the Upper Arapahoe Aquifer.

FINDINGS

1. The application was received by the Commission on February 14, 2024.
2. The Applicant requests a determination of right to an allocation of designated groundwater (Determination) in the Upper Arapahoe aquifer (Aquifer) underlying 39.0532 acres, generally described as part of the NW 1/4 of the NW 1/4 of Section 3, Township 3 South, Range 63 West, Sixth P.M., in Adams County (Overlying Land). According to a Nontributary Groundwater Landownership Statement dated March 5, 2024, attached hereto as Exhibit A, the Applicant owns the 39.0532 acres of land, which are further described in said Ownership Statement, and claims control of the right to the groundwater in the Aquifer underlying the land.
3. The Overlying Land is located within the boundaries of the Lost Creek Designated Groundwater Basin and Lost Creek Ground Water Management District. The Commission has jurisdiction over the designated groundwater that is the subject of this Determination.
4. The Commission's Staff has evaluated the application relying on the claims to control of the groundwater in the Aquifer underlying the Overlying Land made by the Applicant.
5. The Applicant intends to apply the groundwater in the Aquifer underlying the Overlying Land to the following beneficial uses: domestic, including in-house use; irrigation; agricultural; commercial; industrial; fire protection; livestock watering; replacement; and recreational uses. The Applicant's proposed place of use of the groundwater in the Aquifer underlying the Overlying Land is the above described 39.0532 acres of Overlying Land.
6. Pursuant to section 37-90-107(7)(a), and in accordance with the Designated Basin Rules, the Commission shall allocate the groundwater in the Aquifer underlying the Overlying Land on the basis of the ownership of the Overlying Land.
7. The amount of water in storage in the Aquifer underlying the 39.0532 acres of Overlying Land claimed by the Applicant is 797 acre-feet. This determination was based on the following as specified in the Designated Basin Rules.
 - a. The average specific yield of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 17 percent.

- b. The average thickness of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 120 feet.
8. A review of the records in the Office of the State Engineer has disclosed that a well operating pursuant to section 37-90-105, C.R.S., (i.e. a small-capacity well), permit no. 328722, is located on the Overlying Land and is permitted to withdraw 0.4 acre-feet per year of groundwater from the Aquifer from beneath the Overlying Land. The amount of water considered to be withdrawn from the aquifer by this well over a period equal to an aquifer life of one hundred years is 40 acre-feet. In applying Rule 5.3.2.5 of the Designated Basin Rules to computing the amount of water available for allocation in this Determination, the amount of groundwater in the Aquifer underlying the Overlying Land available for allocation in this Determination is reduced by 40 acre-feet to 757 acre-feet. Except for that well, review of the records in the Office of the State Engineer finds no other previous allocations or permitted withdrawals from the Aquifer underlying the Overlying Land.
9. Pursuant to section 37-90-107(7)(c)(III), an approved determination of a right to an allocation shall be considered a final determination of the amount of groundwater so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
10. Pursuant to section 37-90-107(7)(d), the Commission has authority to issue well permits pursuant to subsection 107(7) (i.e. permits for large capacity wells) for the withdrawal of designated groundwater from the Aquifer. Pursuant to section 37-90-107(7)(a) the Commission shall adopt the necessary rules to carry out the provisions of subsection (7). Pursuant to section 37-90-111(h), C.R.S., the Commission is empowered to adopt rules necessary to carry out the provisions of Article 90 of Title 37. In accordance with that authority, the Commission has adopted the Rules and Regulations for the Management and Control of Designated Ground Water (2 CCR 410-1) (“Designated Basin Rules”, or “Rules”).
11. Large capacity well permits issued pursuant to section 37-90-107(7) are subject to the following provisions of statute and the Designated Basin Rules.
 - a. Pursuant to section 37-90-107(7)(a) well permits issued pursuant to subsection 107(7) shall allow withdrawals on the basis of an aquifer life of one hundred years. The 757 acre-feet of water in the Aquifer underlying the Overlying Land available for allocation in this Determination, if permitted for withdrawal by large capacity wells on the basis of an aquifer life of one hundred years, would result in an allowed average annual amount of withdrawal of 7.57 acre-feet per year.
 - b. Any amounts of groundwater in the Aquifer allocated in this Determination that are permitted for withdrawal pursuant to section 37-90-105, by small capacity well permits issued after the issuance of this Determination reduce the amount of water, and the allowed average annual amount of withdrawal, that may be withdrawn by wells permitted pursuant to section 37-90-107(7).
 - c. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of groundwater from the Aquifer underlying the Overlying Land will, within one hundred years, deplete the flow of a natural stream or an alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the groundwater in the Aquifer underlying the Overlying Land is considered

to be not-nontributary groundwater as defined in Rule 4.2.23 of the Designated Basin Rules. Also, the location of the land claimed by the Applicant is farther than one mile from the Aquifer contact with the alluvium. Pursuant to the Rules, at least four percent (4%) of the amount of the underlying water withdrawn annually must be returned to the alluvial aquifer in the vicinity of the permitted point or points of withdrawal, unless other locations are approved by the Commission. Pursuant to the Rules the Applicant may at any time be required to identify the proposed, or actual, location of the delivery of the replacement water and how the required four percent (4%) of water diverted will be, or is being, delivered into the alluvial aquifer.

12. Pursuant to section 37-90-105(1), the State Engineer has the authority to approve small capacity well permits. While water withdrawn from the Aquifer from beneath the Overlying Land by small capacity wells may consist of the groundwater allocated herein, the Commission recognizes that in approving small capacity permits the State Engineer is not bound by the terms and conditions of this Determination, and may approve small capacity permits based on standards and with such conditions as the State Engineer considers appropriate.
13. The ability of wells permitted to withdraw the authorized amount of water from this nonrenewable Aquifer may be less than the one hundred years upon which the amount of water in the Aquifer is allocated, due to anticipated water level declines.
14. On March 29, 2024, in accordance with Rule 9.1 of the Designated Basin Rules, written recommendations concerning this application were requested from the Lost Creek Ground Water Management District. No written recommendations from the District were received.
15. In accordance with sections 37-90-107(7)(c)(II) and 37-90-112, C.R.S., the application was published in the Eastern Colorado News newspaper on April 5, 2024 and April 12, 2024. No objections to the application were received within the time limit set by statute.

ORDER

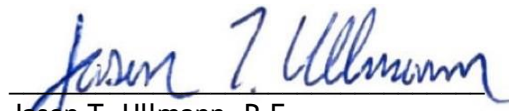
In accordance with section 37-90-107(7) and the Designated Basin Rules, the Commission hereby determines a right to an allocation of designated groundwater in the Upper Arapahoe Aquifer underlying 39.0532 acres of land, generally described as part of the NW 1/4 of the NW 1/4 of Section 3, Township 3 South, Range 63 West, Sixth P.M., further described in Exhibit A, subject to the following conditions.

16. The amount (i.e. volume) of water in the Aquifer underlying the 39.0532 acres of Overlying Land allocated herein is 757 acre-feet (Underlying Groundwater).
17. The amount (i.e. volume) of Underlying Groundwater allocated herein shall be considered final, except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes, if such information indicates that the initial estimate of the amount of Underlying Groundwater in the Aquifer was incorrect.
18. Approval of this Determination meets the requirements of section 37-90-107(7)(d)(II), that requires a determination of groundwater to be withdrawn by a well be made prior to the granting of a well permit pursuant to section 37-90-107(7).

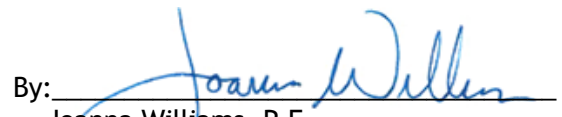
19. Well permits issued pursuant to section 37-90-107(7), (i.e. large capacity wells) and this Determination are subject to the following conditions.
- a. The total amount of Underlying Groundwater that may be withdrawn from the Aquifer by all large capacity wells permitted pursuant to this Determination may not exceed a volume 757 acre-feet, less any amount of the Underlying Groundwater allocated herein permitted to be withdrawn by small capacity wells issued permits pursuant to section 37-90-105 after the issuance of this Determination. The amounts of water permitted to be withdrawn by such small capacity wells shall be considered to be one-hundred times the annual withdrawals permitted to be withdrawn by those wells.
 - b. The allowed average annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water shall be equal to the volume of water permitted to be withdrawn by that well (or well field) divided by one-hundred years.
 - c. The allowed maximum annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water may exceed the allowed average annual amount of withdrawal allowed by the well permit(s) as long as the total volume of water withdrawn by such well(s) does not exceed the product of the number of years since the date(s) of issuance of the well permit(s) times the allowed average annual amount of withdrawal allowed by the well permit(s).
 - d. The Applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
 - e. At least four percent (4%) of the amount of Underlying Groundwater withdrawn annually must be returned to the alluvial aquifer in the vicinity of the permitted point or points of withdrawal, unless other locations are approved by the Commission. The Applicant may at any time be required to identify the proposed, or actual, location of the delivery of the replacement water and how the required four percent (4%) of water diverted will be, or is being, delivered into the alluvial aquifer.
 - f. The use of the Underlying Groundwater shall be limited to the following beneficial uses: domestic, including in-house use; irrigation; agricultural; commercial; industrial; fire protection; livestock watering; replacement; and recreational uses. The place of use of the Underlying Groundwater shall be limited to the above described 39.0532 acres of Overlying Land. The Underlying Groundwater that is the subject of this Determination may be reused and successively used to extinction to the extent dominion and control over the water is maintained and its volume can be distinguished from the volume of any stream system into which it is introduced to the satisfaction of the Commission. The Underlying Groundwater is located within the Lost Creek Ground Water Management District where local District rules apply which may further limit the withdrawal and use of the subject designated groundwater.
 - g. The wells must be located on the above described 39.0532 acres of Overlying Land.
 - h. No well shall be located within 600 feet of any existing large-capacity well in the same Aquifer unless a Waiver of Claim of Injury is obtained from the owner of the existing well

- or unless the Commission, after a hearing, finds that circumstances in a particular instance warrant that a well may be permitted without regard to this limitation.
- i. The wells must be constructed to withdraw water from only the Upper Arapahoe Aquifer.
 - j. The entire depth of each well must be geophysically logged prior to installing the casing in the same manner as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
 - k. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and permanently maintained by the well owner and submitted to the Commission and the Lost Creek Ground Water Management District upon request.
 - l. The well shall be marked in a conspicuous place with this determination number, the well permit number, and the name of the Aquifer. The well owner shall take necessary means and precautions to preserve these markings.
20. A copy of this Determination shall be recorded by the Applicant in the public records of the county in which the Overlying Land is located so that a title examination of the above described 39.0532 acres of Overlying Land area, or any part thereof, shall reveal the existence of this Determination.
21. The right to an allocation of designated groundwater determined herein is a vested property right with specific ownership. Some or all of the water right may be transferred independent of the land under which the right originated. Any action taken that is intended to convey, transfer, and/or sell the subject water right shall explicitly identify this Determination number, the specific Aquifer, and the total amount (i.e. volume) of the right that is being conveyed.

Dated this 16th day of May, 2024.



Jason T. Ullmann, P.E.
Executive Director
Colorado Ground Water Commission

By: 

Joanna Williams, P.E.
Chief of Water Supply, Designated Basins

NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT

This form is to be submitted with applications for the following, when the applicant is the owner of the overlying land.
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 2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin.
 NOTE: Form submittal instructions can be found on our website Colorado.gov/water. See instructions on the reverse of this form.
 Type or print in black or blue ink.

1. APPLICANT INFORMATION			
Name of Applicant Juan Tapia Alamillo and Emma Alamillo c/o Hayes Poznanovic Korver LLC			
Mailing Address 700 17th Street, Suite 1800, Denver, CO, 80202		City Denver	State CO
Telephone Number (include area code) 303-825-1980		Email eric@hpkwaterlaw.com	
2. AQUIFER Upper Arapahoe			
3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located. Number of acres: <u>39.0532</u> in the county of: <u>Adams</u> described as follows (insert legal description). <u>See attached deed and legal description.</u> <hr/> <hr/> <hr/> <hr/> <hr/> - I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.			
4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions).			
5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge. Signature: <i>Eric K Trout</i> Date: March 5, 2024 Print name and title: Eric K Trout - Attorney - Hayes Poznanovic Korver LLC			

Electronically Recorded RECEPTION#: 2021000049516,
4/22/2021 at 2:31 PM, 1 OF 3,
REC: \$23.00 DocStamp: \$20.00
TD Pgs: 2 Josh Zygielbaum, Adams County, CO.



State Documentary Fee
Date: April 09, 2021
\$20.00

General Warranty Deed
(Pursuant to C.R.S. 38-30-113(1)(a))

Grantor(s), **THE RICHARD W. MEYER FAMILY TRUST**, whose street address is **000 EAST 72ND AVENUE, BENNETT, CO 80102**, City or Town of **BENNETT**, County of **Adams** and State of **Colorado**, for the consideration of **(\$200,000.00) ***Two Hundred Thousand and 00/100***** dollars, in hand paid, hereby sell(s) and convey(s) to **EMMA ALAMILLO AND JUAN TAPIA ALAMILLO**, as Joint Tenants whose street address is **4936 Fraser Way, Denver, CO 80239**, City or Town of **Denver**, County of **Denver** and State of **Colorado**, the following real property in the County of **Adams** and State of **Colorado**, to wit:

See Attached Exhibit A

also known by street and number as: **000 EAST 72ND AVENUE, BENNETT, CO 80102**

with all its appurtenances and warrant(s) the title to the same, subject to Statutory Exceptions.

Signed this day of **April 09, 2021**.

THE RICHARD W. MEYER FAMILY TRUST

By: *Timothy S. Meyer*
TIMOTHY S. MEYER, TRUSTEE

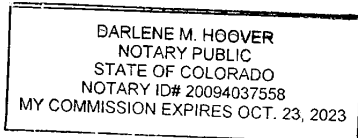
By: SEE ATTACHED SIGNATURE PAGE
TRACY A. BIDDULPH A/K/A TRACY A. MEYER, TRUSTEE

State of **Colorado**)
)ss.
City and County of **Denver**)

The foregoing instrument was acknowledged before me on this day of **April 9th, 2021** by **TIMOTHY S. MEYER AS TRUSTEE FOR THE RICHARD W. MEYER FAMILY TRUST**

Witness my hand and official seal,

My Commission expires: *10/23/2023* *Darlene M. Hoover*
Notary Public



When recorded return to: **EMMA ALAMILLO AND JUAN TAPIA ALAMILLO**
4936 Fraser Way, Denver, CO 80239



SIGNATURE PAGE ATTACHMENT EXHIBIT

ADDRESS: 000 EAST 72ND AVENUE, BENNETT, CO 80102

THE RICHARD W. MEYER FAMILY TRUST

Tracy A. Biddulph
TRACY A. BIDDULPH A/K/A TRACY A. MEYER,
TRUSTEE

State of Virginia)
City of Fredericksburg)ss
County of Stafford)

The foregoing instrument was acknowledged before me on this day of **April 9th, 2021**
by **TRACY A. BIDDULPH A/K/A TRACY A. MEYER AS TRUSTEE FOR THE RICHARD W. MEYER FAMILY TRUST**

[Signature]
Notary Public

My Commission expires 05/31/2025

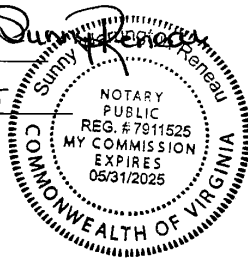


Exhibit A

Escrow No. 70710576

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 63 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 3, AND CONSIDERING THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 3, TO BEAR SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO;

THENCE SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, A DISTANCE OF 1301.44 FEET TO THE NORTH SIXTEENTH CORNER BETWEEN SECTIONS 3 & 4; THENCE NORTH 89 DEGREES 50 MINUTES 40 SECONDS EAST, ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3, A DISTANCE OF 1307.12 FEET TO A POINT ON THE WEST LINE OF A PARCEL OF PROPERTY AS DESCRIBED IN DOCUMENT RECORDED JANUARY 31, 2019 AT RECEPTION NUMBER 2019000007689 OF THE ADAMS COUNTY RECORDS; THENCE NORTH 00 DEGREES 12 MINUTES 57 SECONDS EAST ALONG SAID WEST LINE, A DISTANCE OF 1299.75 FEET TO A POINT ON THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3; THENCE SOUTH 89 DEGREES 55 MINUTES 09 SECONDS WEST, ALONG SAID NORTH LINE, A DISTANCE OF 1308.85 FEET TO SAID NORTHWEST CORNER OF SECTION 3, AND THE POINT OF BEGINNING.

LEGAL DESCRIPTION PREPARED BY KEITH WESTFALL, COLORADO P.L.S. 30127

**COLORADO GROUND WATER COMMISSION
FINDINGS AND ORDER**

IN THE MATTER OF AN APPLICATION FOR A DETERMINATION OF A RIGHT TO AN ALLOCATION OF
GROUNDWATER IN THE LOST CREEK DESIGNATED GROUNDWATER BASIN

DETERMINATION NO.: 4677-BD

AQUIFER: Denver

APPLICANT: Juan Tapia Alamillo and Emma Alamillo

In compliance with section 37-90-107(7), C.R.S., and the Designated Basin Rules, 2 CCR 410-1, Juan Tapia Alamillo and Emma Alamillo (Applicant) submitted an application to the Colorado Ground Water Commission (Commission) for a determination of a right to an allocation of designated groundwater from the Denver Aquifer.

FINDINGS

1. The application was received by the Commission on February 14, 2024.
2. The Applicant requests a determination of right to an allocation of designated groundwater (Determination) in the Denver aquifer (Aquifer) underlying 39.0532 acres, generally described as part of the NW 1/4 of the NW 1/4 of Section 3, Township 3 South, Range 63 West, Sixth P.M., in Adams County (Overlying Land). According to a Nontributary Groundwater Landownership Statement dated March 5, 2024, attached hereto as Exhibit A, the Applicant owns the 39.0532 acres of land, which are further described in said Ownership Statement, and claims control of the right to the groundwater in the Aquifer underlying the land.
3. The Overlying Land is located within the boundaries of the Lost Creek Designated Groundwater Basin and Lost Creek Ground Water Management District. The Commission has jurisdiction over the designated groundwater that is the subject of this Determination.
4. The Commission's Staff has evaluated the application relying on the claims to control of the groundwater in the Aquifer underlying the Overlying Land made by the Applicant.
5. The Applicant intends to apply the groundwater in the Aquifer underlying the Overlying Land to the following beneficial uses: domestic, including in-house use; irrigation; agricultural; commercial; industrial; fire protection; livestock watering; replacement; and recreational uses. The Applicant's proposed place of use of the groundwater in the Aquifer underlying the Overlying Land is the above described 39.0532 acres of Overlying Land.
6. Pursuant to section 37-90-107(7)(a), and in accordance with the Designated Basin Rules, the Commission shall allocate the groundwater in the Aquifer underlying the Overlying Land on the basis of the ownership of the Overlying Land.
7. The amount of water in storage in the Aquifer underlying the 39.0532 acres of Overlying Land claimed by the Applicant is 863 acre-feet. This determination was based on the following as specified in the Designated Basin Rules.
 - a. The average specific yield of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 17 percent.

- b. The average thickness of those saturated aquifer materials containing sufficient water that can be drained by gravity and placed to beneficial use is 130 feet.
8. A review of the records in the Office of the State Engineer has disclosed that none of the groundwater in the Aquifer underlying the Overlying Land has been either previously determined to be allocated by the Commission, has been permitted for withdrawal by large capacity wells that have rights that were initiated prior to November 19, 1973 that are subject to section 37-90-107(7)(b), or has been permitted for withdrawal by existing small capacity wells withdrawing water under permits issued pursuant to section 37-90-105, C.R.S. The amount of designated groundwater in the Aquifer underlying the Overlying Land that is available for allocation in this Determination is 863 acre-feet.
9. Pursuant to section 37-90-107(7)(c)(III), an approved determination of a right to an allocation shall be considered a final determination of the amount of groundwater so determined; except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes.
10. Pursuant to section 37-90-107(7)(d), the Commission has authority to issue well permits pursuant to subsection 107(7) (i.e. permits for large capacity wells) for the withdrawal of designated groundwater from the Aquifer. Pursuant to section 37-90-107(7)(a) the Commission shall adopt the necessary rules to carry out the provisions of subsection (7). Pursuant to section 37-90-111(h), C.R.S., the Commission is empowered to adopt rules necessary to carry out the provisions of Article 90 of Title 37. In accordance with that authority, the Commission has adopted the Rules and Regulations for the Management and Control of Designated Ground Water (2 CCR 410-1) (“Designated Basin Rules”, or “Rules”).
11. Large capacity well permits issued pursuant to section 37-90-107(7) are subject to the following provisions of statute and the Designated Basin Rules.
 - a. Pursuant to section 37-90-107(7)(a) well permits issued pursuant to subsection 107(7) shall allow withdrawals on the basis of an aquifer life of one hundred years. The 863 acre-feet of water in the Aquifer underlying the Overlying Land available for allocation in this Determination, if permitted for withdrawal by large capacity wells on the basis of an aquifer life of one hundred years, would result in an allowed average annual amount of withdrawal of 8.63 acre-feet per year.
 - b. Any amounts of groundwater in the Aquifer allocated in this Determination that are permitted for withdrawal pursuant to section 37-90-105, by small capacity well permits issued after the issuance of this Determination reduce the amount of water, and the allowed average annual amount of withdrawal, that may be withdrawn by wells permitted pursuant to section 37-90-107(7).
 - c. In accordance with Rule 5.3.6 of the Designated Basin Rules, it has been determined that withdrawal of groundwater from the Aquifer underlying the Overlying Land will, within one hundred years, deplete the flow of a natural stream or an alluvial aquifer at an annual rate greater than one-tenth of one percent of the annual rate of withdrawal and, therefore, the groundwater in the Aquifer underlying the Overlying Land is considered to be not-nontributary groundwater as defined in Rule 4.2.23 of the Designated Basin Rules. Also, the location of the land claimed by the Applicant is closer than one mile from the Aquifer contact with the alluvium. Withdrawal of water from the Aquifer

underlying the Overlying Land would impact the alluvial aquifer of the Lost Creek Designated Groundwater Basin, which has been determined to be over-appropriated. Commission approval of a replacement plan pursuant to section 37-90-107.5, C.R.S., and Rule 5.6 of the Designated Basin Rules, that provides for the replacement of the actual depletion to the alluvial aquifer and is adequate to prevent any material injury to existing water rights of other appropriators, is required prior to approval of well permits for wells to be located on this land area to withdraw the groundwater in the Aquifer underlying the Overlying Land. Pursuant to the Rules the replacement plan shall provide for the depletion of the alluvial water for the first 100 years due to all previous pumping, and if pumping continues beyond 100 years shall replace actual impact until pumping ceases, assuming water table conditions in the Aquifer.

12. Pursuant to section 37-90-105(1), the State Engineer has the authority to approve small capacity well permits. While water withdrawn from the Aquifer from beneath the Overlying Land by small capacity wells may consist of the groundwater allocated herein, the Commission recognizes that in approving small capacity permits the State Engineer is not bound by the terms and conditions of this Determination, and may approve small capacity permits based on standards and with such conditions as the State Engineer considers appropriate.
13. The ability of wells permitted to withdraw the authorized amount of water from this nonrenewable Aquifer may be less than the one hundred years upon which the amount of water in the Aquifer is allocated, due to anticipated water level declines.
14. On March 29, 2024, in accordance with Rule 9.1 of the Designated Basin Rules, written recommendations concerning this application were requested from the Lost Creek Ground Water Management District. No written recommendations from the District were received.
15. In accordance with sections 37-90-107(7)(c)(II) and 37-90-112, C.R.S., the application was published in the Eastern Colorado News newspaper on April 5, 2024 and April 12, 2024. No objections to the application were received within the time limit set by statute.

ORDER

In accordance with section 37-90-107(7) and the Designated Basin Rules, the Commission hereby determines a right to an allocation of designated groundwater in the Denver Aquifer underlying 39.0532 acres of land, generally described as part of the NW 1/4 of the NW 1/4 of Section 3, Township 3 South, Range 63 West, Sixth P.M., further described in Exhibit A, subject to the following conditions.

16. The amount (i.e. volume) of water in the Aquifer underlying the 39.0532 acres of Overlying Land allocated herein is 863 acre-feet (Underlying Groundwater).
17. The amount (i.e. volume) of Underlying Groundwater allocated herein shall be considered final, except that the Commission shall retain jurisdiction for subsequent adjustment of such amount to conform to the actual local aquifer characteristics from adequate information obtained from well drilling or test holes, if such information indicates that the initial estimate of the amount of Underlying Groundwater in the Aquifer was incorrect.

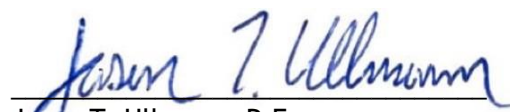
18. Approval of this Determination meets the requirements of section 37-90-107(7)(d)(II), that requires a determination of groundwater to be withdrawn by a well be made prior to the granting of a well permit pursuant to section 37-90-107(7).
19. Well permits issued pursuant to section 37-90-107(7), (i.e. large capacity wells) and this Determination are subject to the following conditions.
 - a. The total amount of Underlying Groundwater that may be withdrawn from the Aquifer by all large capacity wells permitted pursuant to this Determination may not exceed a volume 863 acre-feet, less any amount of the Underlying Groundwater allocated herein permitted to be withdrawn by small capacity wells issued permits pursuant to section 37-90-105 after the issuance of this Determination. The amounts of water permitted to be withdrawn by such small capacity wells shall be considered to be one-hundred times the annual withdrawals permitted to be withdrawn by those wells.
 - b. The allowed average annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water shall be equal to the volume of water permitted to be withdrawn by that well (or well field) divided by one-hundred years.
 - c. The allowed maximum annual amount of withdrawal by any large capacity well (or well field) permitted to withdraw the allocated water may exceed the allowed average annual amount of withdrawal allowed by the well permit(s) as long as the total volume of water withdrawn by such well(s) does not exceed the product of the number of years since the date(s) of issuance of the well permit(s) times the allowed average annual amount of withdrawal allowed by the well permit(s).
 - d. The Applicant may pump the allowed average annual amount of withdrawal and the allowed maximum annual amount of withdrawal from one or more wells of a well field in any combination, so long as the total combined withdrawal of the wells does not exceed the amounts described in this Order.
 - e. Commission approval of a replacement plan, that provides for the replacement of the actual depletion to the alluvial aquifer and is adequate to prevent any material injury to existing water rights of other appropriators in the alluvial aquifer, is required prior to approval of well permits that allow the withdrawal of the Underlying Groundwater. The replacement plan shall provide for the depletion of the alluvial water for the first 100 years due to all previous pumping, and if pumping continues beyond 100 years shall replace actual impact until pumping ceases, assuming water table conditions in the Aquifer.
 - f. The use of the Underlying Groundwater shall be limited to the following beneficial uses: domestic, including in-house use; irrigation; agricultural; commercial; industrial; fire protection; livestock watering; replacement; and recreational uses. The place of use of the Underlying Groundwater shall be limited to the above described 39.0532 acres of Overlying Land. The Underlying Groundwater that is the subject of this Determination may be reused and successively used to extinction to the extent dominion and control over the water is maintained and its volume can be distinguished from the volume of any stream system into which it is introduced to the satisfaction of the Commission. The Underlying Groundwater is located within the Lost Creek Ground Water Management District where local District rules apply which may further limit the withdrawal and use of the subject designated groundwater.

Aquifer: Denver

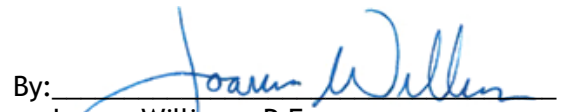
Applicant: Juan Tapia Alamillo and Emma Alamillo

- g. The wells must be located on the above described 39.0532 acres of Overlying Land.
 - h. No well shall be located within 600 feet of any existing large-capacity well in the same Aquifer unless a Waiver of Claim of Injury is obtained from the owner of the existing well or unless the Commission, after a hearing, finds that circumstances in a particular instance warrant that a well may be permitted without regard to this limitation.
 - i. The wells must be constructed to withdraw water from only the Denver Aquifer.
 - j. The entire depth of each well must be geophysically logged prior to installing the casing in the same manner as set forth in Rule 9 of the Statewide Nontributary Ground Water Rules, 2 CCR 402-7.
 - k. A totalizing flow meter or other Commission approved measuring device shall be installed on each well and maintained in good working order by the well owner. Annual diversion records shall be collected and permanently maintained by the well owner and submitted to the Commission and the Lost Creek Ground Water Management District upon request.
 - l. The well shall be marked in a conspicuous place with this determination number, the well permit number, and the name of the Aquifer. The well owner shall take necessary means and precautions to preserve these markings.
20. A copy of this Determination shall be recorded by the Applicant in the public records of the county in which the Overlying Land is located so that a title examination of the above described 39.0532 acres of Overlying Land area, or any part thereof, shall reveal the existence of this Determination.
21. The right to an allocation of designated groundwater determined herein is a vested property right with specific ownership. Some or all of the water right may be transferred independent of the land under which the right originated. Any action taken that is intended to convey, transfer, and/or sell the subject water right shall explicitly identify this Determination number, the specific Aquifer, and the total amount (i.e. volume) of the right that is being conveyed.

Dated this 16th day of May, 2024.



Jason T. Ullmann, P.E.
Executive Director
Colorado Ground Water Commission

By: 

Joanna Williams, P.E.
Chief of Water Supply, Designated Basins

NONTRIBUTARY GROUNDWATER LANDOWNERSHIP STATEMENT


This form is to be submitted with applications for the following, when the applicant is the owner of the overlying land.

1) A well permit to withdraw groundwater from the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or other aquifer the applicant claims contains nontributary groundwater, outside of a Designated Groundwater Basin subject to section 37-90-137(4), C.R.S., except when the right to withdraw the groundwater has been determined by a valid decree; OR

2) A determination of water right in the Dawson, Denver, Arapahoe or Laramie-Fox Hills aquifers, or a well permit to withdraw groundwater from those aquifers that are subject to Designated Basin Rule 5.4, within a Designated Groundwater Basin.

NOTE: Form submittal instructions can be found on our website Colorado.gov/water. See instructions on the reverse of this form. Type or print in black or blue ink.

1. APPLICANT INFORMATION			
Name of Applicant Juan Tapia Alamillo and Emma Alamillo c/o Hayes Poznanovic Korver LLC			
Mailing Address	City	State	Zip Code
700 17th Street, Suite 1800, Denver, CO, 80202			
Telephone Number (include area code)	Email		
303-825-1980	eric@hpkwaterlaw.com		
2. AQUIFER Denver			
3. CLAIM OF OWNERSHIP – I hereby claim that I am the owner of the following described property, as evidenced by the attached copy of a deed recorded in the county in which the property is located.			
Number of acres: <u>39.0532</u> in the county of: <u>Adams</u>			
described as follows (insert legal description).			
<u>See attached deed and legal description.</u>			

- I further claim that the right to withdraw the groundwater in the aquifer underlying the above described property has not been reserved by another, nor has consent been given to another for the right to its withdrawal.			
4. THE APPLICANT MUST PROVIDE – a Verification of Notice of Application (form no. GWS-43) (see instructions for exceptions).			
5. SIGNATURE – Sign or enter name(s) of applicant(s) or authorized agent. The making of false statements herein constitutes perjury in the second degree, which is punishable as a class 1 misdemeanor pursuant to C.R.S. 24-4-104(13)(a). I have read the statements herein, know the contents thereof, and state that they are true to my knowledge.			
Signature:			Date: March 5, 2024
Print name and title: Eric K Trout - Attorney - Hayes Poznanovic Korver LLC			

Electronically Recorded RECEPTION#: 2021000049516,
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Date: April 09, 2021
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(Pursuant to C.R.S. 38-30-113(1)(a))

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See Attached Exhibit A

also known by street and number as: **000 EAST 72ND AVENUE, BENNETT, CO 80102**

with all its appurtenances and warrant(s) the title to the same, subject to Statutory Exceptions.

Signed this day of **April 09, 2021**.

THE RICHARD W. MEYER FAMILY TRUST

By: *Timothy S Meyer*
TIMOTHY S. MEYER, TRUSTEE

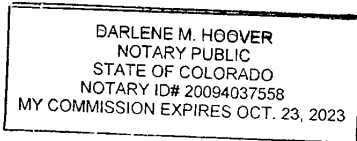
By: SEE ATTACHED SIGNATURE PAGE
TRACY A. BIDDULPH A/K/A TRACY A. MEYER, TRUSTEE

State of **Colorado**)
)ss.
City and County of **Denver**)

The foregoing instrument was acknowledged before me on this day of **April 9th, 2021** by **TIMOTHY S. MEYER AS TRUSTEE FOR THE RICHARD W. MEYER FAMILY TRUST**

Witness my hand and official seal,

My Commission expires: *10/23/2023* *Darlene M Hoover*
Notary Public



When recorded return to: **EMMA ALAMILLO AND JUAN TAPIA ALAMILLO**
4936 Fraser Way, Denver, CO 80239



SIGNATURE PAGE ATTACHMENT EXHIBIT

ADDRESS: 000 EAST 72ND AVENUE, BENNETT, CO 80102

THE RICHARD W. MEYER FAMILY TRUST

Tracy A. Biddulph
TRACY A. BIDDULPH A/K/A TRACY A. MEYER,
TRUSTEE

State of Virginia)
City of Fredericksburg)ss
County of Stafford)

The foregoing instrument was acknowledged before me on this day of **April 9th, 2021**
by **TRACY A. BIDDULPH A/K/A TRACY A. MEYER AS TRUSTEE FOR THE RICHARD W. MEYER FAMILY TRUST**

[Signature]
Notary Public

My Commission expires 05/31/2025

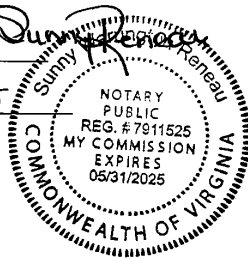


Exhibit A

Escrow No. 70710576

A PARCEL OF LAND LOCATED IN THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 3, TOWNSHIP 3 SOUTH, RANGE 63 WEST OF THE 6TH P.M., COUNTY OF ADAMS, STATE OF COLORADO, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE NORTHWEST CORNER OF SAID SECTION 3, AND CONSIDERING THE WEST LINE OF THE NORTHWEST QUARTER OF SAID SECTION 3, TO BEAR SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO;

THENCE SOUTH 00 DEGREES 08 MINUTES 24 SECONDS WEST, A DISTANCE OF 1301.44 FEET TO THE NORTH SIXTEENTH CORNER BETWEEN SECTIONS 3 & 4; THENCE NORTH 89 DEGREES 50 MINUTES 40 SECONDS EAST, ALONG THE SOUTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3, A DISTANCE OF 1307.12 FEET TO A POINT ON THE WEST LINE OF A PARCEL OF PROPERTY AS DESCRIBED IN DOCUMENT RECORDED JANUARY 31, 2019 AT RECEPTION NUMBER 2019000007689 OF THE ADAMS COUNTY RECORDS; THENCE NORTH 00 DEGREES 12 MINUTES 57 SECONDS EAST ALONG SAID WEST LINE, A DISTANCE OF 1299.75 FEET TO A POINT ON THE NORTH LINE OF THE NORTHWEST QUARTER OF THE NORTHWEST QUARTER OF SAID SECTION 3; THENCE SOUTH 89 DEGREES 55 MINUTES 09 SECONDS WEST, ALONG SAID NORTH LINE, A DISTANCE OF 1308.85 FEET TO SAID NORTHWEST CORNER OF SECTION 3, AND THE POINT OF BEGINNING.

LEGAL DESCRIPTION PREPARED BY KEITH WESTFALL, COLORADO P.L.S. 30127



ORIGINAL PERMIT APPLICANT(S)

EMMA ALAMILLO
 JUAN TAPIA-ALAMILLO

APPROVED WELL LOCATION

Water Division: 1 Water District: 1
 Designated Basin: LOST CREEK
 Management District: LOST CREEK
 County: ADAMS
 Parcel Name: N/A
 Physical Address: 7190 N CONVERSE RD BENNETT, CO
 80102
 NW 1/4 NW 1/4 Section 3 Township 3.0 S Range 63.0 W Sixth P.M.

UTM COORDINATES (Meters, Zone:13, NAD83)

Easting: 548591.0 Northing: 4408419.0

PERMIT TO CONSTRUCT A NEW WELL

ISSUANCE OF THIS PERMIT DOES NOT CONFER A WATER RIGHT
CONDITIONS OF APPROVAL

- 1) This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of this permit does not ensure that no injury will occur to another vested water right or preclude another owner of a vested water right from seeking relief in a civil court action.
- 2) The construction of this well shall be in compliance with the Water Well Construction Rules 2 CCR 402-2, unless approval of a variance has been granted by the State Board of Examiners of Water Well Construction and Pump Installation Contractors in accordance with Rule 18.
- 3) Approved pursuant to CRS 37-90-105 for a well on a tract of land of 39 in a portion of the NW1/4 of the NW1/4 of Section 4, Township 3 South, Range 63 West of the Sixth P.M., Adams County, more particularly described on Exhibit A in the permit file.
- 4) Water from this well may be used for domestic purposes inside 1 single family dwelling, and the watering of 4 of the owner's own large non-commercial domestic animals.
- 5) The irrigated area shall not exceed 1,000 square feet of lawn and garden.
- 6) The pumping rate of this well shall not exceed 15 GPM.
- 7) The annual withdrawal of groundwater from this well shall not exceed 0.4 acre-foot.
- 8) Production from this well is restricted to the Upper Arapahoe aquifer, which corresponds to the interval between 370 feet and 510 feet below the ground surface.
- 9) A totalizing flow meter must be installed on this well and maintained in good working order. Permanent records of all diversions must be maintained by the well owner (recorded at least annually) and submitted to the Lost Creek Ground Water Management District and the Division of Water Resources upon request.
- 10) This well shall be constructed within 200 feet of the location specified on this permit.

NOTE: This well will be completed in a Type 1 aquifer penetrating only one confining layer and must be constructed in accordance with Well Construction Rule 10.4.5.1 (2 CCR 402-2).

NOTE: This well is withdrawing water from a non-renewable aquifer. While the withdrawals from this aquifer are administered based on a 100 year aquifer life, water level declines may prevent this well from diverting the permitted amounts for that 100 years.

NOTE: This well is located within the Lost Creek Ground Water Management District where local District Rules apply which may further limit the withdrawal and use of designated ground water as authorized under this permit.

NOTE: This permit has been approved with a change to the permit application as submitted by the applicant. The annual appropriation has been reduced to comply with the District rules. You are hereby notified that you have the right to appeal the issuance of this permit, by filing a written request with this office within sixty (60) days of the date of issuance, pursuant to the State Administrative Procedures Act. (See Section 24-4-104 through 106, C.R.S.)

WELL PERMIT NUMBER 328722-

RECEIPT NUMBER 10023401

NOTE: This permit will expire on the expiration date unless the well is constructed by that date. A Well Construction and Yield Estimate Report (GWS-31) must be submitted to the Division of Water Resources to verify the well has been constructed. An extension of the expiration date may be available. Contact the DWR for additional information or refer to the extension request form (GWS-64) available at: dwr.colorado.gov



Date Issued: 10/5/2022

Expiration Date: 10/5/2024

Issued By SHANNON PORTER

PERMIT HISTORY

07-19-2023 PERMIT AMENDMENT (LOCATION)

Permit to Install An On-site Waste Water Treatment System

PROPERTY INFORMATION:**OWNER INFORMATION:**

JuanTapia-Alamillo and Emma Alamillo

Address: 47790 E 72nd Ave
Bennett, CO 80102--

Dwelling Type: Single Family

No. of Bedrooms: 5

County: Adams

Water Supply: Private Well

Address: 49652 E County Road 6
Bennett, CO 80102-

APN: 0181503200005

Onsite ID: home

Phone: 303-519-6197

PERMIT INFORMATION:

ON0042876

Permit Type: OWTS

Construction Phase: Install - Construction



Michael Voorhees 11/22/2022



Permit to Install An On-site Waste Water Treatment System

PROPERTY INFORMATION:

OWNER INFORMATION: Juan Tapia Alamillo

Address: 7190 Converse Rd
 Bennett CO 80102

Dwelling Type: Single Family

Address: 49652 E Co Rd 6
 Bennett CO 80102

No. of Bedrooms: 5

County: Adams

Water Supply: Private Well

APN: 0181503200006

Onsite ID: House

Phone: (303) 519-6197

PERMIT INFORMATION:

Permit Type: Install

System Design:

System Designed By: W. W. Enterprises

Design Date: 09/14/2022

Design Number: 22-3740

Electrical Inspection Required? No

Associated Professionals

Business Name:

OWTS Installer

Name:

NAWT Certification:

Exp.:

Phone:

Email:

FOR AN ON-SITE WASTEWATER TREATMENT SYSTEM

CONDITIONS FOR INSTALLATION

Installers must be licensed by Adams County Health Department. No installation shall be covered or used until inspected, correction made if necessary, and approved or expressly authorized by Adams County Health Department. The system installer must provide a record drawing before the system is covered.

LIMITATIONS AND DISCLAIMER

A permit to Install shall expire 1 Year from the date of issuance unless extended to a fixed date upon request by the Applicant and approved by Adams County Health Department.



Permit to Install An On-site Waste Water Treatment System

PROPERTY INFORMATION:

OWNER INFORMATION: Juan Tapia Alamillo

Address: 7190 Converse Rd
 Bennett CO 80102

Dwelling Type: Single Family
 No. of Bedrooms: 5

Address: 49652 E Co Rd 6
 Bennett CO 80102

County: Adams

Water Supply: Private Well

APN: 0181503200006

Onsite ID: House

Phone: (303) 519-6197

PERMIT INFORMATION:

Permit Type: Install

OWTS PERMIT COMMENTS

Install the system as per W.W. Enterprises Project No. 22-3740 REVISED 9/14/22. Install a minimum 1,500 gallon, 2-compartment CDPHE approved treatment tank, feeding to a distribution box with speed levelers, distributing to a chambered trench system consisting of 5 trenches with 23 chambers per trench for a total of 115 chambers.

Maintain all regulation setbacks.

Permit Valid From 11/22/2022 to 11/22/2023

 Michael Voorhees
 11/22/2022



W.W. ENTERPRISES

Consulting Engineering

2115 9th Street, P.O. Box 1242, Limon, Colorado 80828 (719) 775-9314

July 18, 2022
Project No: 22-3740

ONSITE WASTEWATER TREATMENT SYSTEM SIZING

DESCRIPTION:

**7190 Converse Road, Bennett,
Adams County, Colorado**

Prepared for:
Michael Wong
3959 S. Lookout Hill Street
Watkins, CO 80137
303-913-8262



TEST PIT RESULTS

On July 11, 2022, a subsurface investigation was conducted at this site by WW Enterprises. Two (2) test pits had been excavated in the area of the new OWTS location. The soils at the site are consistent in the test pits. Topsoil with roots overlies the site. Light brown, damp, clayey sand was encountered beneath the topsoil to the 8' bottom of test pit depths.

The clayey sand is Soil Type 3 sandy clay loam with blocky (bk) soil structure and moderate (2) soil grade. Therefore, the most limiting soil encountered is Soil Type 3 sandy clay loam, so the system does not need to be engineered, only sized. An LTAR of 0.35 gpd/sf is to be used for sizing the system.

SIZE AND DESIGN-BASIS

The following items were used to determine the size of the required Onsite Wastewater Treatment System (OWTS) for the proposed site.

- Single family residence with 5 bedrooms.
- Soil Type 3 sandy clay loam soils.
- LTAR of 0.35 gpd/sf used for sizing.
- Chamber trench system.
- No flow from water softener, spas, or pools.

ENGINEERED SYSTEMS

With the Soil Type 3 sandy clay loam soil at the site, an engineered system is not required for this system. A gravity flow trench system is to be used for the site. Groundwater and restrictive layers were not encountered, the ground slope is less than 20 degrees, and pressure distribution is not to be used.

CALCULATION OF INFILTRATIVE SURFACE OF SOIL TREATMENT AREA

- A. The bottom area of trenches is the only infiltrative surface. No sidewall credit is allowed or taken.
- B. The long-term acceptance rate (LTAR) for the Soil Type 3 sandy clay loam soil at the site is 0.35 gallons per day per square foot (gal/day/sf), per Table 10. It was recommended that an LTAR of 0.35 gal/day/sf will be used for sizing this system.
- C. The site evaluation included visual tactile evaluation and laboratory testing of the soils at the property. The lesser LTAR was used to determine the size of the soil treatment area.
- D. The factors for adjusting the size of the soil treatment area were taken from Tables 12 and 13. The size adjustment factors for methods of application for a trench is 1.0 for gravity method of effluent application from treatment unit preceding soil treatment area. The size adjustment factor for types of distribution media is 0.7 for trenches when chambers are used.

- E. The required area for a soil treatment area is determined by the following formula:

$$\text{Soil Treatment Area (STA) (in square feet)} = \frac{\text{Design Flow (gal/day)}}{\text{LTAR (gal/day/sf)}}$$

- 1) Adjusted Soil Treatment Area = Required Soil Treatment Area X Size Adjustment Factor(s).
- 2) Size adjustment factors for methods of application are in Table 12.
- 3) Size adjustment factors for types of storage/distribution media are in Table 13.
- 4) The required soil treatment area is receiving TL1 effluent and may be multiplied by one size adjustment factor from Tables 12 and 13, or both.
- 5) The soil treatment area is receiving TL1 effluent, so it is not required to be pressure dosed.

ALLOWABLE SOIL TREATMENT AREA REDUCTIONS AND INCREASES

- A. The soil treatment area size is determined by dividing the design flow rate by the long-term acceptance rate may be adjusted by factors for method treatment, soil treatment area design, and type of distribution media.
- B. For the purpose of Tables 12 and 13, a "baseline system" (adjustment factor of 1.00) is considered to be TL1 applied by gravity to a gravel-filled trench.
- C. The maximum reduction from all combined reductions including higher level treatment shall be not greater than 50 percent (50%) of the baseline system required for a soil treatment area.
- D. The higher-level treatment categories listed in Table 4 do not apply for this system.

DESIGN OF DISTRIBUTION SYSTEMS

The design of the distribution system was done per Section 12 of Regulation No. 0-17 "Onsite Wastewater Treatment Systems" for the Tri-County Health Department.

- A. General
 - 1) The infiltrative surface and distribution lines must be level.
 - 2) The infiltrative surface must be no deeper than four feet (4'). The depth will be measured from the downslope side of the trench.
 - 3) Trenches must follow the ground surface contours so variations in infiltrative surface depth are minimized.
 - 4) Pipe for gravity distribution must be no less than three-inch (3") diameter.
 - 5) A final cover of soil suitable for vegetation at least ten inches (10") deep must be placed from the top of the geotextile or similar pervious material in a rock and pipe system, chamber, or manufactured media up to the final surface grade of the soil treatment area.
 - 6) Following construction, the ground surface must be graded to divert storm water runoff or other outside water from the soil treatment area. The area must be protected against erosion. Subsurface drains upslope of the soil treatment area may be installed to divert subsurface flow around the area.

- 7) Backfilling and compaction of soil treatment areas shall be accomplished in a manner that does not impair the intended function and performance of the storage/distribution median and soil and distribution laterals, allows for the establishment of vegetative cover, minimizes settlement, and maintains proper drainage.
- B. Distribution Lines
- 1) Distribution lines (chamber rows) in a soil treatment area must be as even as possible. Uneven settling of portions of the distribution system following construction must be addressed by provisions in the design to adjust flows between lines.
 - 2) Distribution lines shall be a maximum 150' long. These will not be used in this system.
 - 3) Distribution lines longer than 100' shall be pressure dosed. This does not apply for this site, as pressure dosing will not be used.
 - 4) The end of a distribution pipe or chambers must be capped, unless it is in a bed or trenches in a level soil treatment area, where the ends of the lines may be looped.
- C. Inspection Ports
- 1) The bottom of the inspection port tube must extend to the infiltrative surface and not be connected to the end of the distribution pipe.
 - 2) Additional inspection ports connected to distribution pipes may be installed.
 - 3) The top of the inspection ports may be below the final grade of the surface if each has a cover at the surface such as a valve box for a lawn irrigation system.
- D. Trenches
- 1) Trenches must be three feet (3') wide or less.
 - 2) The separating distance between trenches must be a minimum of four feet (4'), sidewall-to-sidewall.
 - 3) Chambers used in a trench must be as close to the center of the trench as possible.
- E. Beds
- Beds will not be used for this system.
- F. Serial and Sequential Distribution
- 1) A serial or sequential distribution system may be used where the ground slope does not allow for suitable installation of a single, level soil treatment area unless a distribution box or dosing chamber is used. For the slopes on the site, it is not anticipated that this will be needed.
 - 2) The horizontal distance from the side of the absorption system to the surface of the ground on a slope must be adequate to prevent lateral flow and surfacing.
 - 3) Adjacent trenches or beds must be connected with a stepdown/relief line or a drop box arrangement such that each trench fills with effluent to the top of the gravel or chamber outlet before flowing to succeeding treatment area.

- G. Storage/Distribution Media
- 1) Rock and Pipe
Rock and pipe will not be used for this system.
 - 2) Tire Chips
Tire chips will not be used for this system.
 - 3) Chambers
Infiltrator Quick 4 Chambers will be used for this system.
 - 4) Manufactured Media
Manufactured media will not be used for this system.
- H. Pressure Distribution
Pressure distribution will not be used for this system.
- I. Driplines
Driplines will not be used for this system.

SOIL REPLACEMENT

Soil replacement will not be used for this system.

SEPTIC TANK

Per Table 9, the minimum septic tank size based on the number of bedrooms is a 1500-gallon tank capacity for 5-bedrooms. The septic tank is to be designed for a maximum 48" buried depth.

DISTRIBUTION BOX

Because of potential settlement of the system in the future, a variable rate distribution box should be used. This will allow for future adjustment of effluent to each line, if needed.

DESIGN OF SOIL TREATMENT AREA (STA)

Per Table 2 Single-Family Residential Design Flows, the proposed 5-bedroom house for the property is to have a design flow of 675 gallons per day.

$$\begin{aligned}
 \text{Soil Treatment Area (STA)} &= \text{Design Flow (gallons per day)} / \text{LTAR (gal/day/sf)} \\
 &= 675 \text{ gallons per day} / 0.35 \text{ gal/day/sf} \\
 &= 1929 \text{ square feet (sf)}.
 \end{aligned}$$

$$\begin{aligned}
 \text{Adjusted Soil Treatment Area} &= \text{Required STA} \times \text{Size Adjustment Factor(s)} \\
 \text{Trench Area} &= 1929 \text{ sf} \times 1.0(\text{for trench}) \times 0.7(\text{for chambers}) \\
 &= 1350 \text{ sf}
 \end{aligned}$$

Trench Calculations

$$1350 \text{ sf} / 3' \text{ wide trenches} = 450' \text{ length of trenches.}$$

450' / 5 trenches = 90' long trenches. The trench length needs to be divisible by 4' for the 4' long chambers. Therefore, a trench length of 92' will be used. Each trench will have 92' / 4' per chamber = 23 chambers. Therefore, a total of 23 chambers x 5 trenches = 115 chambers will be needed.

Use 5 trenches 92' long (23 chambers per trench).

RECOMMENDATIONS

Recommended are a septic tank of the required size followed by a standard absorption trench system with chamber construction. The chamber trench system is to be constructed with a bottom area of 1350 square feet (5 trenches with 92' lengths). The trench system is to be constructed in accordance with the design criteria discussed in Section 12 of the Regulation No. 0-17 "On-Site Wastewater Treatment Systems" for the Tri-County Health Department. Refer to the attached "Septic Design" drawings (page 1 through 5) for the layout of the systems.

INSPECTION

W.W. Enterprises and the Tri-County Health Department will conduct a final inspection of this Onsite Wastewater Disposal System. The contractor is to contact us no sooner than 24-hours prior to the final inspection. All components will be visible to the inspector. As-built drawings will be provided to the Owner after the final inspection.

MAINTENANCE

The Maintenance of your Onsite Wastewater Disposal System is very important.

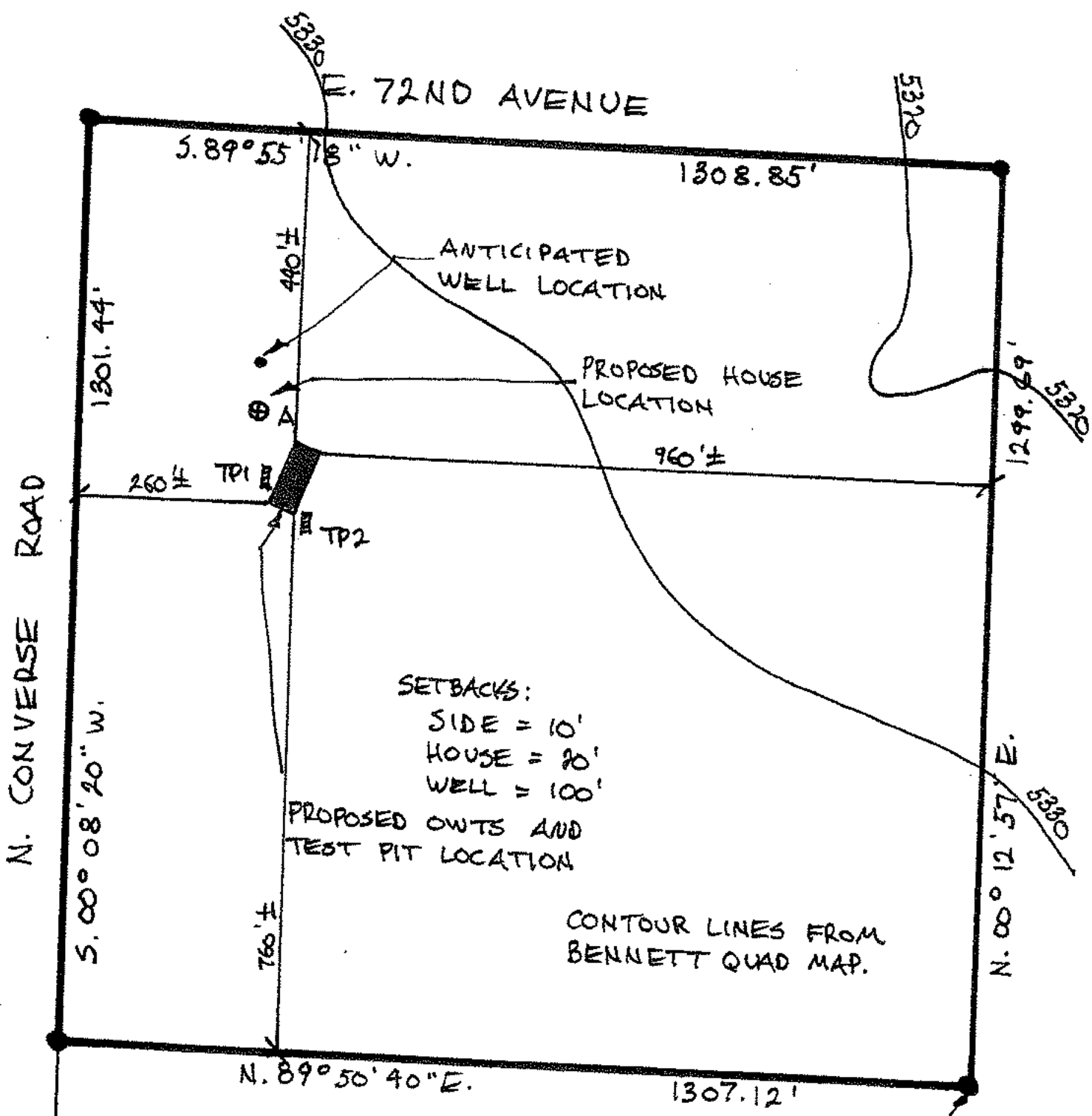
1. Direct surface water away from the trenches. Lawn irrigation equipment should not be placed above or near the trenches.
2. Seed the soil above the trenches with native grasses. Sun light is an important part of the dispersion of the wastewater.
3. The septic tanks should be cleaned out by a licensed contractor every two years or as required.
4. The use of a water softener will increase the amount of wastewater entering the system and is not recommended. If a water softener is used, a separate OWTS should be constructed. Contact Tri-County Health Department for further details on water softeners.
5. Refer to Appendix I - "General Maintenance Recommendations for Onsite Wastewater Treatment Systems (OWTS)" for additional recommendations.

GENERAL

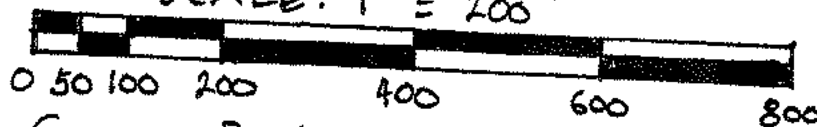
The findings and recommendations of this report have been obtained in accordance with accepted engineering practices in the field of Geotechnical Engineering. There is no other warranty, either expressed or implied.

All future owners should be directed to those items under "General Maintenance Recommendations for Onsite Wastewater Treatment Systems (OWTS)" in Appendix I, included in this report.

If the consistency or color of the soil is different than in this report, contact this office immediately.



SCALE: 1" = 200'



7190 Converse Road, Bennett, Adams County, Colorado. Name: Wong Project No.: 22-3740

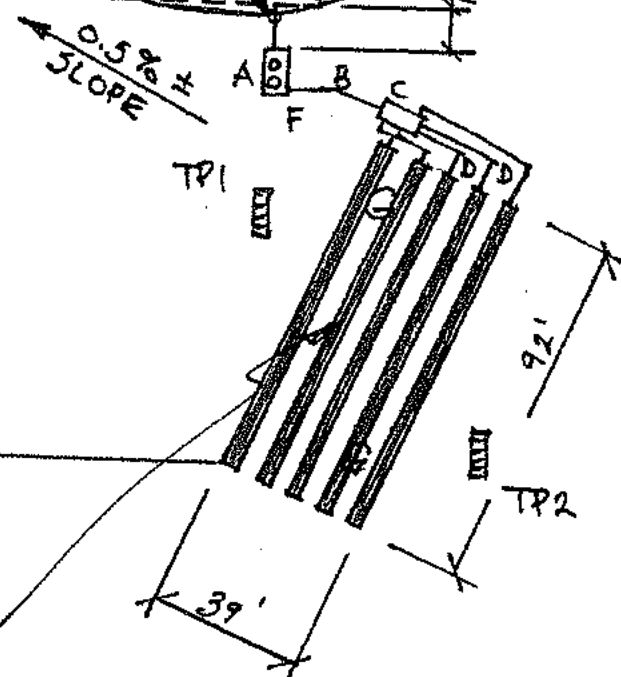
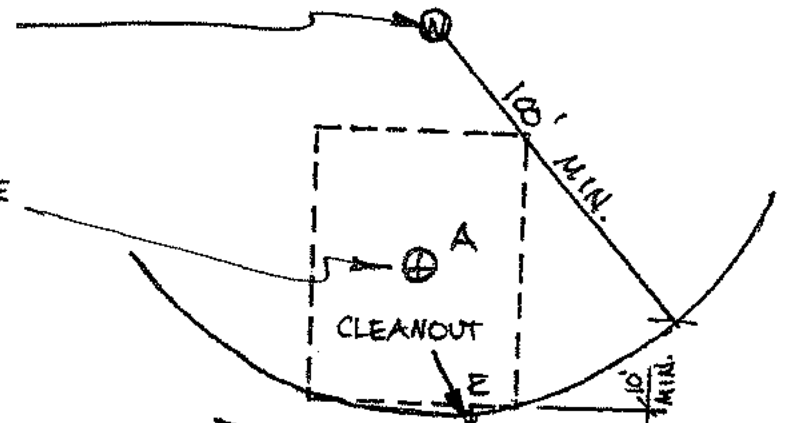
W.W. ENTERPRISES
 P.O. Box 1242
 Limon, CO 80828

OWTS LOCATION/
 SETBACK PLAN

PROJECT NO.
 22-3470
 PAGE 1 OF 5

ANTICIPATED WELL LOCATION

PROPOSED HOUSE LOCATION

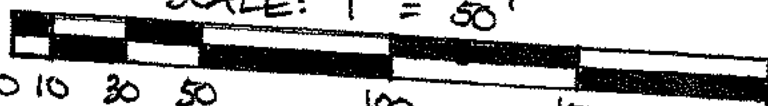


N. CONVERSE ROAD

260' ±


PROPOSED OWTS AND TEST PIT LOCATION

SCALE: 1" = 50'



7190 Converse Road, Bennett, Adams County, Colorado.

Name: Wong
Project No.: 22-3740

 **W.W. ENTERPRISES**
P.O. Box 1242
Limon, CO 80828

OWTS SYSTEM
LAYOUT PLAN
- TRENCH -

PROJECT NO.
22-3470
PAGE 2 OF 5

KEY

A 1500 GAL. 2 COMP.
SEPTIC TANK

B 4" SCHED. 40 PVC
PIPE: 30 ± LF

C DISTRIBUTION BOX
ELEV. = 5329.1 ±

D 4" SCHED. 40 PVC
DISCHARGE PIPES

E OUTLET PIPE
FLOWLINE = 5329.8 ±
BASEMENT SLAB
= 5326.0 ±

F SEPTIC TANK
OUTLET ELEV.
= 5329.4 ±

G TRENCHES - BOTTOM
MAX. 4' BELOW GRADE
= 5328.6 ±



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OWTS SYSTEM
LAYOUT PLAN
- TRENCH -

PROJECT NO.
22-3470
PAGE 3 OF 5

SEEPAGE TRENCH DETAIL

INFILTRATOR QUICK 4 CHAMBERS

4' MIN. 6' 3' TRENCH

OBSERVATION PORT

A

A

TRENCH AREA
1350 SF

USE (5) 92'
LONG TRENCHES

100' MAX.
THIS SYSTEM = 92' (23 CHAMBERS)

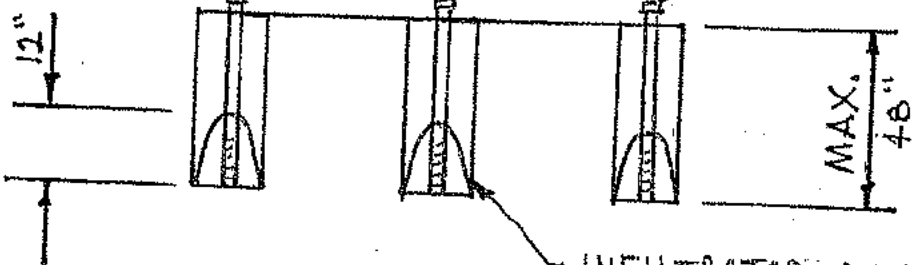
DISTRIBUTION BOX

INLET

TOTAL CHAMBERS =
23 CHAMBERS PER
TRENCH X 5 TRENCHES
= 115 CHAMBERS.

4' MIN. 6'

OBSERVATION PORT



INFILTRATOR QUICK 4 CHAMBERS

SECTION A-A



W.W. ENTERPRISES
P.O. Box 1242,
Limon, CO 80828

OWTS STANDARD
ABSORPTION
TRENCH DESIGN

PROJECT NO.
22-3470
PAGE 4 OF 5

1. Bottom of surface of bed should be roughened before construction of bed and trenches to avoid having a penetration resistant interface between natural soil and fill.
2. Distribution pipes should be laid level. The pipes should be interconnected for beds.
3. A layer of straw or paper shall be used between the gravel and backfill. Four inches (4") of "pea" gravel may be substituted for the straw or paper. *NA for chambers.*
4. Backfill shall consist of natural on-site material. Heavy clays should not be used as back-fill. The upper four inches (4") shall be suitable soil for supporting vegetation.
5. Top of bed shall be side-sloped about two percent (2%) and promote positive drainage away from the bed. The maximum slope for any septic system is thirty percent (30%).
6. Surface of bed not usable under traffic areas, either animal or machinery. Vegetation over bed should be durable and tolerate both wet and dry periods.
7. Surface of bed and trenches should receive sunlight. Shade trees near system not recommended.
8. This system to meet all applicable *Tri-* County Health Department Rules and Regulations set forth in the Individual Sewage Disposal System Regulations.
9. A representative of W. W. Enterprises and the *Tri-* County Health Department should be contacted for inspection prior to placement of backfill. Inspections by the Engineer are an additional charge.



W.W. ENTERPRISES
P.O. Box 1242,
Limon, CO 80828

OWTS NOTES

PROJECT NO.
22-3470

PAGE 5 OF 5

APPENDIX I

GENERAL MAINTENACE RECOMMENDATIONS FOR ONSITE WASTEWATER TREATMENT SYSTEMS (OWTS)

The following recommendations, if followed, should help increase the lifetime of the system:

1. Septic tanks should be pumped a minimum once every four (4) years.
2. Septic tanks and distribution boxes should be checked at least once a year for sludge accumulation which may clog the leach area if overflow occurs.
3. The leach area should not be used for grazing, sports activities, traffic, or other activity which may compact the soils.
4. Schedule 40 pipe should be used if lines are to be placed under driveways.
5. Trees should not be planted near the leach area so as to prevent roots from clogging the system.
6. If trees are to be planted nearby, they should be located so that the leach area is not shaded.
7. Overuse of strong chemicals, which may kill the bacteria in the system and inhibit decomposition of the sewage, should be avoided.
8. Positive drainage should be maintained over and around the absorption field area to prevent pooling of water.
9. Lines to the tank or leach area should have sufficient ground cover to prevent freezing.