AGENDA
MORGAN COUNTY BOARD OF COUNTY COMMISSIONERS
Assembly Room, Administration Building
231 Ensign Street, Fort Morgan, CO 80701
Tuesday August 5, 2025

To participate in the Citizen's Comment Period you must connect via Zoom Conferencing Access Information: https://us02web.zoom.us/j/89478220888 If you cannot connect via Zoom, you may submit written public comment to morgancountybcc@co.morgan.co.us by email by 4 p.m. on Monday August 4, 2025.

To participate in Public Hearings you may connect via Zoom Conferencing Access Information: https://us02web.zoom.us/j/89478220888 listen via phone, please dial: 1-312-626-6799, Meeting ID: 894 7822 0888

To watch and/or listen to the meeting but not participate, you may do so by connecting via Zoom Conferencing Access Information: https://us02web.zoom.us/j/83524575800 or to listen via phone, please dial: 1-312-626-6799, Meeting ID: 894 7822 0888

9:00 A.M.

A. WELCOME – CALL TO ORDER

PLEDGE OF ALLEGIANCE

ROLL CALL:
Commissioner Becker
Commissioner Malone
Commissioner Bernhardt

B. COUNTY OFFICIAL AND DEPARTMENT HEAD REPORTS
1. **Swearing in of Patrol Deputy** Joseph (Joey) Eric Marcos. – David Martin, Morgan County Sheriff.
2. **Commissioners Calendar** for the week of August 1, 2025 through August 12, 2025.

C. CITIZEN'S COMMENT PERIOD
Citizens are invited to speak to the Commissioners on agenda or non-agenda items. There is a 3-minute time limit per person, unless otherwise noted by the Chairman. Please note that no formal action will be taken on these items during this time due to the open meeting law provision; however, they may be placed on future posted agenda if action is required.

D. CONSENT AGENDA
All matters under the consent agenda are considered to be routine by the Board of County Commissioners and will be enacted with a single vote. There will be no separate discussion of these items. If discussion is deemed necessary, any Board member may ask that the item be removed from the Consent Agenda and considered separately.

1. Ratify the Board of County Commissioners approval of **BCC meeting minutes** dated July 15, 2025.

*Morgan County is committed to making its public meetings accessible to persons with disabilities. If you need special accommodations, please call (970)542-3500, extension 1410, at least 2 business days in advance of a meeting to make arrangements.

PREPARED BY: Mindi Cloyd, Administrative Services Manager for BCC
AGENDA POSTED by August 1, 2025 @ 4:00 P.M.

2. Ratify Chairman Jon Becker's signature on the **Retail Liquor License Renewal Application and Liquor License for Homeplate Restaurant 1**, signed August 5, 2025.
3. Ratify Chairman Jon Becker's signature on the **Retail Liquor License Renewal Application and Liquor License for Pope Farms Corn Maize and Pumpkin Patch**, signed August 5, 2025.

4. Ratify the Board of County Commissioners approval on assignment of **Debt Collections to EMS|MC** dated July 25, 2025. Client #251137, #250316, #250374, #250444, #250356, #250395, #250287, #250461, #250432, #250515, #250469, #250696, #250513, #250360, #251113, #250187, #250707, #242981, #250286, #243785, #250401, #250402, #242635, #250650, #250355, #250639, #250076, #243085, #424314, #250224, #243238, #242657, #250594, #243758, #250217, #250501, #250847, #243769, #251524, #250218, #243742, #250506, #242572, #243746, #250418, #240843, #250623B, #243406B, #243406A, #243406C, #250509, #243117, #250712, #243684B, #250423, #250354, #250325, #241356.
5. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 051 GeCore Candeo, Ltd., dba The Genesis Group,** Term of Contract August 1, until termination.
6. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 052 S.H.A.R.E, Inc.,** Term of Contract July 1, 2025 through June 30, 2026.
7. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 053 S.A.R.A., Inc.,** Term of Contract July 1, 2025 through June 30, 2026.
8. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 054 Rising Up,** Term of Contract July 1, 2025 through June 30, 2026.
9. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 055 Morgan County Family Center, Inc.,** Term of Contract July 1, 2025 through June 30, 2026.
10. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 056 Morgan County Partnership for Children and Families,** Term of Contract July 1, 2025 through June 30, 2026.
11. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 057 Regional Home Visitation Program dba Baby Bear Hugs,** Term of Contract July 1, 2025 through June 30, 2026.
12. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 058 A Caring Pregnancy Resource Center,** Term of Contract July 1, 2025 through June 30, 2026.
13. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 059 Third Way Center Inc.,** Term of Contract May 1, 2025 through June 30, 2026.
14. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 060 McClary, P.C. fka Epperson & McClary,** Term of Contract June 1, 2025 through May 31, 2026.
15. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 062 Justice Works YouthCare,** Term of Contract June 1, 2025 through May 31, 2026.
16. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 063 Intervention, Inc.,** Term of Contract June 1, 2025 through May 31, 2026.
17. Ratify the Board of County Commissioners approval of **Contract 2025 CNT 066 Advantage Treatment Centers, Inc.,** Term of Contract June 1, 2025 through May 31, 2026.
18. Ratify Chairman Jon Becker's signature on **Stormwater Inspection**, dated July 28, 2025.
19. Ratify the Board of County Commissioners approval of **change order for 2025 CNT 003 Motorola Solutions.**

E. UNFINISHED BUSINESS

No unfinished business.

F. GENERAL BUSINESS AND ADMINISTRATIVE ITEMS

1. **Consideration of approval** – An Ordinance amending the 2003 MTC to prohibit the use of engine compression brakes.

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PREPARED BY: Mindi Cloyd, Administrative Services Manager for BCC
AGENDA POSTED by August 1, 2025 @ 4:00 P.M.

2. **Consideration of approval** – Resolution 2025 BCC 29, A Resolution decreasing the speed limit along a portion of Morgan County Road Q.
3. **Consideration of approval** – Road Use Agreement template.

G. PLANNING AND ZONING

1. Public Hearings

A. **Applicant:** THEngineering
Landowners: CK2 Cattle Company and Riverside Irrigation District
Legal Description: A part of Sections 30, 31, and 32, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado aka 24592 County Road 19, Fort Morgan, CO 80701.
Request: Use by Special Review Permit to expand an existing animal feeding operation into a CAFO, specifically a new dairy heifer grower or feedlot proposed to house 25,850 animal units and vested rights for a period of 10 years.
Date of Application: June 11, 2025

B. **Applicant and Landowners:** Gregory and Regina Dardanes
Legal Description: Lot 7 except the South 25' of Lot 7, Church Sub of Munns Addition in the SE¼ of Section 34, Township 4 North, Range 56 West of the 6th P.M., Morgan County, Colorado. Also known as 968 North Custer Street, Brush, CO 80723.
Request: Use by Special Review for the future development of a storage facility, to include conex boxes, storage trailers, and areas for covered parking.
Date of Application: June 6, 2025

H. ADJOURNMENT

*Morgan County is committed to making its public meetings accessible to persons with disabilities. If you need special accommodations, please call (970)542-3500, extension 1410, at least 2 business days in advance of a meeting to make arrangements.

PREPARED BY: Mindi Cloyd, Administrative Services Manager for BCC
AGENDA POSTED by August 1, 2025 @ 4:00 P.M.

MORGAN COUNTY, COLORADO
BOARD OF COUNTY COMMISSIONERS

ORDINANCE NO. 1, SERIES 2025

AN ORDINANCE AMENDING THE 2003 MTC TO PROHIBIT THE USE OF ENGINE COMPRESSION BRAKES

WHEREAS, the Morgan County Board of County Commissioners (the "Board") adopted the 2003 Model Traffic Code through Ordinance 2007 BCC 1;

WHEREAS, the Board desires to amend the 2003 to prohibit the use of engine compression brakes on certain County roads;

WHEREAS, C.R.S. § 30-15-401 and C.R.S. § 42-4-101 *et seq.*, the County has authority to regulate the use of engine compression brakes on county roads within its jurisdiction;

WHEREAS, pursuant to C.R.S. § 30-15-406, this ordinance was introduced and read before the Board of County Commissioners in a first reading on August 5, 2025, and was published in full in the _____ on _____ ___, 2025, both at least ten days prior to adoption; and

WHEREAS, the Board of County Commissioners find that this ordinance is necessary to preserve the public health, safety and welfare of the citizens of Morgan County.

NOW THEREFORE be it ordained by the Morgan County Board of County Commissioners as follows:

Section 1. Section 225 of the 2003 Model Traffic Code, as adopted by the Board of County Commissioners through Ordinance 2007 BCC 1, is amended by the addition of new subsection (4) to read as follows:

> (4) Prohibited use of compression engine brakes. Except as provided herein, the use of compression engine brakes shall be prohibited on County Road Q from the ½ mile point between County Roads 17 and 18 to the intersection of County Road Q and County Road 18.5, provided that the County has erected signage identify this prohibition. Engine brakes may be used only in emergency or life/safety situations.

Section 2. Severability. Should any section, clause, sentence, or part of this ordinance be adjudged by any court of competent jurisdiction to be unconstitutional or invalid, the same shall not affect, impair or invalidate the ordinance as a whole or any part thereof other than the part so declared to be invalid.

Section 3. Safety Clause. The Board of County Commissioners hereby finds, determines and declares that this ordinance is necessary for the immediate preservation of the public welfare, health and safety.

Section 4. Effective Date. Pursuant to C.R.S. § 30-15-405, this ordinance shall

become effective thirty days after publication following adoption and upon the installation of signage prohibiting engine compression brakes as provided herein.

APPROVED this _____ day of _____, 2025.

BOARD OF COUNTY COMMISSIONERS
MORGAN COUNTY, COLORADO

_____
Jon J. Becker, Chairman

_____
Tim A. Malone, Commissioner

_____
Kelvin S. Bernhardt, Commissioner

I hereby attest that the first reading of this ordinance took place on August 5, 2025. This ordinance was published in full in the _____ on _____ ___, 2025. If amendments were made to this ordinance subsequent to introduction and prior to adoption, such amendments shall be re-published in full. If this ordinance was adopted without amendment, it is to be republished by title only.

ATTEST:

_____
Kevin Strauch, County Clerk and Recorder

MORGAN COUNTY, COLORADO
BOARD OF COUNTY COMMISSIONERS

RESOLUTION NO. 2025 BCC 29

A RESOLUTION DECREASING OF THE SPEED LIMIT ALONG A PORTION OF MORGAN COUNTY ROAD Q

WHEREAS, the portion of Morgan County Road Q from the half mile marker between County Roads 17 and 18 in an easterly direction to its intersection with Morgan County Road 18.5 has a speed limit of 55 mph;

WHEREAS, the County has received a request from the City of Fort Morgan, which has approved several subdivisions along this portion of County Road Q, to reduce the speed limit;

WHEREAS, the Board of County Commissioners finds and determines that a speed limit of 55 miles per hour along the portion of County Road Q is too high due to the increased residential development along this portion of County Road Q and the stop sign at the intersection of County Roads Q and 18; and

WHEREAS, the Board of County Commissioners finds that a decrease of the speed limit along the portion of Morgan County Road Q described herein will serve the public health, safety, and welfare by making travel more efficient and convenient along this portion of Morgan County Road Q.

NOW THEREFORE be it resolved by the Morgan County Board of County Commissioners as follows:

1. The speed limit on County Road Q between the half mile point between County Roads 17 and 18 and its intersection with County Road 18.5 to the east is hereby decreased from 55 miles per hour to 45 miles per hour.

2. Appropriate signage shall be posted on such roadway and the new speed limit shall take effect immediately upon such posting.

3. The County will consider a further reduction of the speed to 35 mph on County Road Q from the half mile point between County Roads 17 and 18 and its intersection with County Road 18.5 to the east when the earlier of the following events occur within the development known as the Bijou Subdivision Filing No. 1: 1) 30 residences have been constructed and are habitable or 2) all residences on lots situated along County Road Q have been constructed and are habitable.

DATED this __ day of _____, 2025.

BOARD OF COUNTY COMMISSIONERS
MORGAN COUNTY, COLORADO

_____
Jon J. Becker, Chair

_____
Tim A. Malone, Commissioner

_____
Kelvin S. Bernhardt, Commissioner

ATTEST:

_____
Kevin Strauch, Clerk to the Board

ROAD USE AGREEMENT

THIS ROAD USE AGREEMENT (hereinafter "Agreement") is made this _____day of _____, 20___ ("Effective Date"), by and between Morgan County, Colorado, whose address is 218 W. Kiowa Avenue, Fort Morgan, Colorado 80701 (hereinafter "County") and [Permittee], whose address is [Address], its successors and assigns (the "Permittee").

RECITALS

WHEREAS, Permittee applied for and obtained a [permit] to construct ("Permit") and operate a [use] in Morgan County (the "Project");

WHEREAS, Permittee's agents, employees, affiliates, contractors, subcontractors, workforce and related service companies may utilize equipment and heavy vehicles on Morgan County roads and Appurtenances in or around such roads (collectively, the "County Roads"), as identified in Exhibit A, in connection with development of the Project;

WHEREAS, Permittee's use of County Roads may cause impacts which require mitigation and repair to ensure the public's continued ability to use County Roads; and

WHEREAS, as condition of Permit, the County requires Permittee to enter into this Agreement to mitigate the impact on the County Roads due to the Project.

NOW THEREFORE, in consideration of the mutual covenants and conditions contained herein, the sufficiency of which are hereby acknowledged, the County and Permittee agree as follows:

1. Purpose of Agreement. The purpose of this Agreement is to define the terms and conditions under which Applicant will pay for the cost of repairing any damage arising from the use of County Roads by Applicant and any contractors or subcontractors of Permittee ("Contracting Companies"). Permittee has indicated that it intends to use approximately ____ miles of County Roads, identified on Exhibit A, of which approximately _____ miles are asphalt-paved and_____ miles are gravel surfaced. This Agreement is intended to mitigate the damage to County Roads, minimize interruptions to the traveling public, and compensate the County for the costs of repairing any damage to the County Roads and any increased maintenance costs resulting from the Project.

2. Definitions.

A. Appurtenance means a ditch, culvert, or any type of wall, fence, guardrail, pavement marking, traffic control device, illumination device, mailbox or barrier adjacent to or in, along or on a road, or any construction, obstruction, erection or any situation, arrangement or disposition of any earth, rock, tree or other material or thing adjacent to or in, along or on a road that is not on the traveled portion of the road.

B. County Roads means a roadway under the direction, control and management of the County, including:

i. A developed road on which improvements such as grading or surfacing have been made for the purpose of public access and included any Appurtenances, and includes a bridge forming part of a public road and any structure incidental to a public road; and/or

ii. An undeveloped road or right of way under the County's jurisdiction.

C. Estimated Costs are included as part of Exhibit C and are the cost of any potential road repairs and/or post construction restoration based upon the condition of the road and the anticipated traffic, including volume and weight of transport vehicles. The cost estimate must be signed by licensed Colorado engineer.

D. Mitigation Plan means a plan, approved by the County Planning Department, detailing which County Roads will be used for Project traffic, the route of Project traffic, a schedule of when County Roads will be used (including daily hours of use), and plans for how impacts to the County Roads, neighboring properties, and traffic will be minimized.

3. <u>Repair and Maintenance Obligations.</u>

A. Permittee has submitted a pre-construction baseline survey of the County Roads, attached hereto as Exhibit B.

B. Permittee has submitted a Mitigation Plan for its and Contracting Companies' use of the County Roads, attached hereto as Exhibit C. Permittee and Contracting Companies shall comply with the Mitigation Plan at all times. Failure to comply with the Mitigation Plan shall be grounds for the County to suspend the Permit until such time as the Company provides sufficient assurances to the County that Permittee will comply with the Mitigation Plan.

C. Permittee shall be responsible for all costs and expenses required to restore County Roads used by Permittee or its Contracting Companies to conduct operations for the Project. This obligation shall require Permittee to restore roads to the same condition as shown in the pre-construction baseline survey.

D. During the time when Permittee, or any of its Contracting Companies, are engaged in the use of a County Road for access to conduct operations for the Project, Permittee shall be responsible for road damage resulting from such use, including but not limited to Examples of Road Damage (defined below) in this Agreement, to keep County Roads in safe condition for the public.

E. All restoration of County Roads shall be completed within _____ months of the completion of the installation of the project.

4. <u>Security.</u>

A. To secure the maintenance and restoration of the County Roads, Permittee shall furnish the County, at Permittee's expense and prior to commencement of installation and construction of the Project described in Exhibit A, cash or an irrevocable letter (or letters) of credit in which the County is designated as beneficiary in an amount equal to one hundred fifteen percent (115%) of the Estimated Costs of maintenance and restoration of the County Roads as described in this Agreement (the "Performance Guarantee").

B. The Performance Guarantee shall be in a form approved by the County in its sole discretion.

C. The purpose of the Estimated Costs is solely to determine the amount of security. No representations are made as to the accuracy of these estimates, and Permittee agrees to pay all costs of the maintenance and restoration for which it is legally obligated, regardless of the Estimated Costs.

D. The Estimated Costs may increase in the future. Accordingly, the County reserves the right to review and adjust the Estimated Costs at any time, prior to the restoration of the County Roads. Adjustments shall be made according to changes in the Construction Costs Index as published by the Engineering News Record. If the County adjusts the Estimated Costs, the County shall give written notice to Permittee. Permittee shall within thirty (30) days after receipt of said written notice, provide the County with a new or amended Performance Guarantee in the amount of the adjusted Estimated Costs. If Permittee fails to provide a new or amended Performance Guarantee, the County may exercise the remedies provided for in Section 10 hereof.

E. If the County Roads are not restored within the period of time specified by Section 3 above, the County may draw on the Performance Guarantee to restore the County Roads. If the Performance Guarantee is to expire within fourteen (14) calendar days and Permittee has not yet provided a satisfactory replacement, the County may draw on the Performance Guarantee and either hold such funds as security for performance of this Agreement or spend such funds to restore the County Roads.

F. Upon preliminary acceptance of the County Roads, the Performance Guarantee shall be reduced to the amount of fifteen percent (15%) of the total actual cost of restoration of the County Roads. The reduced Performance Guarantee shall be held by the County until expiration of the two (2) year warranty period.

G. If no restoration is required at the time of post-construction inspection, the Performance Guarantee shall be released by the County.

5. <u>Post-Construction Survey and Inspections.</u>

A. Upon completion of the construction of the Project, Permittee shall submit a post-

construction survey in the same form as the pre-construction baseline survey.

B. Inspections of County Roads identified in this Agreement may be carried out after the post-construction survey is completed and submitted to the County and then again, following the restoration of the County Roads. Inspections will be conducted by designees of both the County and Permittee at a time set by the County or the County's official designee if so agreed to by Permittee.

6. Road Damage.

A. Examples of Road Damage include but are not limited to the following:

i. Potholes or wheel-depressed areas after the roads have been maintained or graded.

ii. Damage to shoulders due to heavy vehicles running off the edge of the road.

iii. Damage to ditches due to heavy vehicles squeezing the ditches closed by running on the shoulders of the road.

iv. Damage to culverts crushed by heavy hauling activities or being "plugged" by sediment from closed ditches.

v. Damage to road surface causing the re-cycling of the surface for the purpose of proper roadway drainage.

vi. Damage to the existing base by heavy traffic.

vii. Damage to the profile of the road and the loss of aggregate on the driving surface.

7. Emergencies. The County may, in emergency situations, and acting reasonably, and without giving any notice to Permittee as required elsewhere in this Agreement, take immediate and all action necessary to complete repairs to County Roads that the County deems necessary for public safety.

8. Indemnification. Permittee shall indemnify, release and hold harmless the County and its officers, agents, employees, successors and assignees from any and all actions, proceedings causes of action, claims, demands and/or costs attributable to, whether directly and indirectly, damages or injuries arising out of or resulting from acts or omissions by Permittee or otherwise arising out of the performance under this Agreement by Permittee, its employees, agents, contractors or subcontractors, or its Contracting Companies, but such indemnity shall not apply to the intentional acts or negligence of the County, its officers, agents, employees, successors and assignees.

9. Assignment. Except as otherwise provided herein, or except as may be hereafter determined

by the parties, no party to this Agreement may sell, assign, partially assign or transfer its interest in this Agreement, or any of its rights, duties or obligations hereunder, without the prior written consent of the other party. Whenever consent or the approval of a party is required herein, such party shall not unreasonably withhold, delay, or deny such consent or approval.

10. Breach.

A. If Permittee breaches this Agreement, the County may take such action as permitted or authorized by law or this Agreement as the County deems necessary to protect the public health, safety and welfare. The remedies include, but are not limited to:

i. A suspension or revocation of the Permit;

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

iii. Any other remedy available at law or in equity.

B. Unless necessary to protect the immediate health, safety and welfare of the County, or to protect the interest of the County with regard to security given for the restoration of the County Roads, the County shall provide Permittee thirty (30) days' written notice of its intent to take any action under this Section, during which Permittee may cure the breach and prevent further action by the County.

C. The rights and remedies of the County under this Agreement are in addition to any other rights and remedies provided by law. The expiration of this Agreement shall in no way limit the County's legal or equitable remedies, or the period in which such remedies may be asserted, for work negligently or defectively performed.

D. Should this Agreement become the subject of litigation to resolve a claim of breach by Permittee and a court of competent jurisdiction determines that Permittee was in breach of this Agreement, Permittee shall pay the attorney fees, expenses and court costs of the County.

11. Nuisance Conditions. Permittee shall prevent the existence of any nuisances by way of its maintenance or restoration of County Roads under this Agreement. If the County determines that a nuisance exists, it shall notify Permittee that such nuisance exists. If the nuisance is not abated or an abatement plan is not submitted to the satisfaction of the County, the County may, upon thirty (30) days' notice, draw upon the Performance Guarantee to pay the cost of abating the nuisance. The decision to draw on the Performance Guarantee shall be within the sole discretion of the County.

12. Conditions of Approval. Nothing in this Agreement shall be deemed to modify or rescind any finding or condition in the resolution approving the Permit.

13. Waivers.

A. Failure by either party to this Agreement to enforce or insist upon compliance with any of the terms or conditions of this Agreement shall not constitute a general waiver or relinquishment of any such terms or conditions, but the same shall be and remain at all times in full force and effect.

B. By entering this Agreement, the County does not waive, nor shall it be deemed to waive, any immunity or defense that would otherwise be available to it against claims arising by third parties.

14. **Successors and Assigns.** This Agreement shall inure to the benefit of and be binding upon the County and Permittee and their respective successors and permitted assigns.

15. **Severability.** If any provision of this Agreement shall be held invalid, illegal or unenforceable in any respect by a court of competent jurisdiction, such invalidity, illegality or unenforceability shall not affect any other provision of this Agreement.

16. **Venue and Jurisdiction.** This Agreement shall be interpreted in accordance with the laws of the State of Colorado. Venue of any suit or cause of action under this Agreement shall lie exclusively in Morgan County, Colorado.

17. **Entire Agreement.** This Agreement constitutes the entire agreement and understanding between the parties and supersedes any prior agreement or understanding relating to the subject matter of this Agreement. However, Permittee remains subject to the conditions on the Permit.

18. **Modification.** This Agreement may be modified or amended only by a duly authorized written instrument executed by the parties hereto.

19. **Notices.** All notices required to be given under the terms of this Agreement shall be in writing and may be mailed or electronically transmitted, addressed to the parties as follows:

Morgan County: Bruce Bass, Director of Public Works
218 W. Kiowa Avenue
Fort Morgan, Colorado 80701
Email: bbass@co.morgan.co.us

Permittee: _____
_____
_____
_____

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

MORGAN COUNTY

_____

Chair

Attest:

_____
Kevin Strauch, Clerk

PERMITTEE

_____
Permittee Representative

_____
Print Name

_____
Company Name

| BOARD OF COUNTY COMMISSIONERS 9:00 A.M. | AUGUST 5, 2025 |
CK2 CATTLE COMPANY / RIVERSIDE IRRIGATION DISTRICT SPECIAL USE

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MORGAN COUNTY
PLANNING AND ZONING DEPARTMENT

July 16, 2025

THEngineering
PO Box 337748
Greeley, CO 80633
Sent via email: [redacted]

CK2 Cattle Company
22251 Co Rd 23
Fort Morgan, CO 80701
[redacted]

Riverside Irrigation Dist.
221 E Kiowa Ave
Fort Morgan, CO 80701
[redacted]

Dear Applicant/Landowner:

Your Application for a Use by Special Review has been received by our office and will go to review and decision by the Board of County Commissioners. The hearing for the Board of County Commissioners will be held on **Tuesday, August 5th, 2025 at 9:00 A.M.**

As per Section 2-450 (B)(1) notification sign postings need to occur no later than 10 days prior to each hearing and photographs accompanied by an affidavit to our office no later than 5 days prior to each hearing. One sign facing each public right-of-way adjacent to the property is required. The county will provide (2) signs for each hearing for the corner of Co Rd 19 an Co Rd Y. One sign is to face west towards Co Rd 19 and the other facing south towards Co Rd Y. It is up to you to post them.

Board of County Commission sign notice dates: **Posted by July 25, 2025**
Pictures and Affidavit by July 30, 2025

The BCC sign will be ready to be picked up in our office on **July 18, 2025**.

It is necessary that the landowners be present at the hearing to answer any questions the Board of County Commissioners may have. If any of the landowners are unable to attend, a letter stating who will be representing them will be needed for each hearing. Do not hesitate to contact us at any time if you have questions.

Sincerely,

Nicole Hay
Nicole Hay
Planning Administrator

FILE SUMMARY

MORGAN COUNTY
PLANNING AND ZONING DEPARTMENT

MORGAN COUNTY BOARD OF COUNTY COMMISSIONERS
FILE SUMMARY
July 29, 2025
Hearing date – August 5, 2025

LANDOWNERS: CK2 Cattle Company and Riverside Irrigation District
OPERATOR: CK2 Cattle Company
APPLICANT: THEngineering, LLC, Travis Hertneky and Erin Kress

This application is for a Special Use Permit to allow for a new confined animal feeding operation (CAFO). The proposed permitted area is located in a part of the SE¼ of Section 30, the E½NE¼ of Section 31, the NW¼ and the W½NE¼ of Section 32, all in Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado, also known as 24592 County Road 19, Fort Morgan, Colorado. The property is zoned Agriculture Production, is in the Fort Morgan Fire District, and a portion of the property is located is in the Special Floodplain Hazard Area (SFHA), Zone A.

CK2 Cattle Company operates an existing small animal feeding operation and through this application is requesting to expand the facility to become either: 1) a dairy heifer raising operation or a 2) feedlot. The operator would like to be able to switch between the two types of CAFO under the special use permit. The proposed facility would have a maximum animal number of 25,850 animal units and will be constructed in 3 phases.

1. Phase I will consist of new corrals located east of the Riverside Canal which will replace much of the existing capacity with new modern pens. In the southeast corner of the site, a proposed east runoff storage pond will directly collect the runoff from the new pens and a new collection and diversion system will be built to collect the runoff from the existing pens. Construction is planned to be outside and adjacent to the floodplain.

2. Phase II will begin immediately after the completion of Phase I and is located east of County Road 19 and west of the Riverside Canal. It will consist of additional new corrals and will accommodate all of the feed storage, commodity barn, shop and an office. A proposed middle runoff storage pond will be north of the proposed pens. The pens will be graded for the runoff to flow north to culverts where the culverts will carry the runoff to sediment basins then to the storage pond.

3. Phase III will consist of the largest pens and is located west of County Road 19. The proposed west runoff storage pond will be north of the proposed pens and will also collect the runoff via culverts.

There are two houses within the proposed special use boundary. One will remain and is located in proposed Phase I northwest of the existing corrals. The second house and a couple of sheds are located in proposed Phase III and will be removed. The closest residence outside of the proposed special use boundary is approximately 2000 feet to the north.

The proposed facility will be accessed from 6 approved driveways off of County Road 19 (3 to the west and 3 to the east).

Included in your packets is a letter from Matt Harris with Harris Engineering Consultants, Inc. regarding existing structures in the floodplain and the uncertainty in the delineation of the Zone A in the SFHA.

Also, included in your packets is a letter from HDR Engineering, the County's engineer regarding the increased traffic and the safety on County Road Y. Given the low volumes along County Road Y and at the intersection of County Road Y and County Road 19, HDR is not recommending the County require a deceleration lane or an acceleration lane. In addition, there is a "Trucks Entering Highway" sign on the eastbound County Road Y just before the crest of a hill to the west of the intersection of Country Roads Y and 19. The sight distance from the crest of the hill to the intersection of County Road Y and County Road 19 is approximately 450 feet. Morgan County Public Works is recommending a speed reduction from 55 mph to 45 mph for both east and west bound traffic on County Road Y. The speed reduction is recommended approximately 1500 feet prior to the intersection of County Road Y and County Road 19 in both directions. The speed limit would then need to be posted to return back to 55 mph after the intersection.

In reviewing this application, the Planning Commission and Board of County Commissioners are required to make a finding that the criteria for granting a Use by Special Review in Section 2-455 of the Morgan County Zoning Regulations has been met.

Section 2-455 Special Use Permit Criteria:

A. The use and its location as proposed are in conformance with the Morgan County Comprehensive Plan. Specifically:

   The property is located in the north central planning area as defined by the Morgan County Comprehensive Plan. In this area Comprehensive Plan goals include:

   > *Encourage the preservation of agricultural production land to ensure continuation of this important industry. The dairy heifer raising operation is a vital part of the agricultural industry.*

B. All the application documents are complete and present a clear picture of how uses are to be arranged on the site or within Morgan County.

   The application satisfies this criteria.

C. The site plan conforms to the district design standards of these Regulations.

   The site plan satisfies this criteria.

D. All on and off-site impacts have been satisfactorily mitigated either through agreement, public improvements, site plan requirements or other mitigation measures.

   The operation impacts are expected to be minimal. Proposed use impacts upon existing uses are detailed in the included Nuisance Control Plan and in the Preliminary Environmental System.

E. The special use proposed has been made compatible with the surrounding uses and adequately buffered as determined by the County.

   Adjacent uses include pasture land and farmland and are compatible with the proposed use.

F. The special use poses only the minimum amount of risk to the public health, safety and welfare as set by either federal, state or county regulation, whichever is the strictest.

The criteria is satisfied through the implementation of the Nuisance Control Plan and the conditions outlined below.

G. The special use proposed is not planned to be developed on a non-conforming parcel.

The proposed special use is located on a conforming parcel.

H. The applicant has adequately documented a public need for the project, all pertinent technical information, adequate financial resources to implement it, and has paid all fees and review costs levied by the County for application processing and review.

The applicant did not address the public need for the project, except to state that the proposed expansion of the current operation will promote economic growth through additional purchases of local commodities. Further, the applicant did make a statement that adequate financial resources are available to implement the project and the applicant has paid all fees.

I. For any special use requiring a supply of water for human consumption that the applicant has demonstrated a source of water which is adequate for the proposed use in terms of quantity, quality, and reliability. For any special use which does not require a supply of water for human consumption, an adequate source of water for the proposed use in terms of quantity and reliability must be obtained prior to commencement of the use.

Water for human consumption will be available through individual water bottles or supplied from a water cooler until the office/shop is built in Phase II. Once built, the commercial wells will be tied into the office/shop, tested and used as a permanent source for human consumption. Water for the livestock will be provided by two newly constructed augmented commercial livestock wells located east of Phase I.

Planning Commission Meeting

This application was considered by the Planning Commission in a public hearing on July 14, 2025.

A neighboring property owner expressed his concerns regarding safety with the increased traffic especially during silage time.

The Planning Commission motioned for recommended conditional approval as presented and included a condition to increase the turning radius off of County Road 19 onto County Road Y.

The motion was approved on a vote of 6 in favor, 0 opposed, and 1 member recused himself.

Staff Update after Planning Commission Meeting

Since the Planning Commission hearing, staff spoke with the Public Works Department regarding the intersection of County Road Y and County Road 19 and the Planning Commission's recommended condition. The Public Works Department visited the intersection to determine if there was room within the County Road 19 right-of-way to widen the roadway and the corresponding turn radius onto County Road Y. Based on a visual assessment only, the Public Works Department does believe there is enough room for the widening, but a survey would be required to verify the information on the right-of-way location. The Public Works Department supports the widening of the

intersection to make right hand turns onto County Road Y safer. See the email dated July 24, 2025 included with application. Staff has added a recommended condition below.

Recommendation

The application generally meets the criteria as explained above if the following conditions are added and the applicant can demonstrate the public need for the project. The special use permit should specify the uses of the property: a dairy heifer raising operation or a 2) feed yard. If the applicant can provide evidence of the public need, staff recommends conditional approval of the application subject the following conditions:

1. CK2 Cattle Company, as the operator, must demonstrate ownership or possession of the portion of the permitted area currently owned by Riverside Irrigation District prior to use of that portion of the property under this permit. CK2 Cattle Company can demonstrate satisfaction with this condition through vested title in its name, or a lease or other agreement directly with the property owner allowing the use permitted pursuant to the special use permit to be conducted on the property.

2. Prior to construction of Phase III, the house and sheds will be removed.

3. Prior to construction of Phase I, the Base Flood Elevation (BFE) for the adjacent reach of Wildcat Creek shall be determined in order to verify that the proposed pond is not at risk of inundation by the 100-year flood event (verify that the berm height is at least 2 feet above the BFE for critical facilities).

4. Any proposed modifications to the existing structures within the floodplain would be required to comply with current floodplain management standards and obtain a floodplain development permit if required.

5. Prior to construction, the applicant shall be responsible for the payment of all costs and fees, including staff time, incurred by the County for the placement of two new 45 mph signs and two new 55 mph signs on County Road Y.

6. Prior to construction, the applicant shall be responsible for a survey to determine the County Road 19 right-of-way location. If the Public Works Department determines, with the assistance of the County Surveyor, if necessary, that County Road 19 can be widened within its right-of-way to increase the turn radius onto County Road Y, the Public Works Department can widen County Road 19 and construct the turning radius as described in this condition. County Road 19 will be widened at the intersection of County Road Y and then be tapered back down to the 24-foot width as it moves north. The widening will require fill and subgrade prep to elevate the borrow ditch on the west side of the County Road 19 right-of-way up to the road grade. Portions of the west side of the right-of-way for County Road 19 shall be maintained to ensure water drainage through the borrow ditch on the north side of County Road Y, which the ditch will curve along the newly constructed turn radius on County Road 19 and then continue along the west side of County Road 19, as currently exists. Any widening will require the widened portion and turning radius to be asphalted to match the existing asphalt. The applicant shall be responsible for the payment of all costs and fees incurred by the County for the widening of County Road 19 at the intersection of County Road Y. Prior to commencing construction, the Public Works Department shall provide estimated costs to the applicant. The County shall not be bound by the estimate and it is provided as a courtesy. After the completion of the work, the Public Works Department shall provide an invoice of the costs to widen County Road 19 and construct the turn radius. The applicant shall have thirty (30) days to pay the invoice. If the invoice is not paid, the County may take enforcement action including but not limited to revocation of this permit. Any costs and fees incurred by the County for enforcing payment shall be the responsibility of the applicant.

CK2 Cattle Company is requesting an additional 7 years of vesting for a total of 10 years. The intent is for the expansion to be completed in 3 years, but the added vesting will allow for any possible construction delays.

Nicole Hay,
Morgan County Planning Administrator

Morgan County Government ~ 231 Ensign St ~ PO Box 596 ~ Fort Morgan, CO 80701
Telephone (970) 542-3526 ~ nhay@co.morgan.co.us

ORIGINAL SUBMITTAL

Original Application

Right to Farm

Design Report

Special Use Map

Title Commitments

Mineral Notification

Statement of Taxes

Water

Septic

Electric

Driveway Permits

Ditch Notification

MORGAN COUNTY PLANNING
ZONING & BUILDING DEPT.
231 Ensign, P.O. Box 596
Fort Morgan, Colorado 80701
PHONE (970)542-3526
FAX (970)542-3509
EMAIL: permits_licensing@co.morgan.us

PERMIT # SU2025 - 0002

Date Received 2 / 14 /2025 Received By JS
App Fee $ 800 Ck/CC #: 2524 Paid 2 / 14 /25
Minor Amend Fee: $ ____ CK/CC #: ____ Paid ___/___/___
Recording Fee $ ____ Ck/CC #: ____ Paid ___/___/___
PC Date: 7/14/2025 BOCC Date: ___/___/___
100 Year Floodplain? Y / N Taxes Current? Y /N

SPECIAL USE PERMIT APPLICATION

(Also to be used as application for Amendments to Existing Special Use Permits)

Landowner **MUST** Sign Application and Right to Farm Policy

APPLICANT

Name THEngineering
Address PO Box 337748
Greeley, CO 80633
Phone [redacted]
Email [redacted]

LANDOWNER

Name CK2 Cattle Company/Riverside Irrigation District
Address 22251 County Road 23/221 E Kiowa Ave
Fort Morgan, CO 80701
Phone [redacted]
Email [redacted]

BRIEF DESCRIPTION OF APPLICATION

Expansion of an existing animal feeding operation to 25,850 Animal Units.

PROPERTY LEGAL DESCRIPTION

Address (if available):

S: 30/31/32 T: 5N R: 57W ____ ½ ____ ¼ ____ ¼ Property Size 1,168.2 (~~sq. ft.~~ or acres)

Parcel #: 0977 - 320 - 00 - 002
097731000001 and 097730000001

Zone District: A

Subdivision: _____ Lot #(s): _____

Is property located within 1320' (1/4 mile) of a livestock confinement facility? ~~Y/N~~ N/A Facility is a livestock confinement facility.

SEE REQUIRED ATTACHMENT LIST ON BACK OF THIS PAGE.

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED OR PROCESSED.

PDF processed with CutePDF evaluation edition www.CutePDF.com

SPECIAL USE PERMIT REQUIRED ATTACHMENT LIST

Fee: ☑ **Non-Refundable Application Fee**

**Additional fees and charges may be required pursuant to Section 2-160 of Morgan County Zoning Regulations. Applicant will be responsible for any legal fees after the first 3 hours.*

Project Narrative: ☑ **Narrative– Including the following:**

- ☑ Project Description
- ☑ Purpose of request
- ☑ How this proposal complies with the Morgan County Comprehensive Plan
  See:*https://morgancounty.colorado.gov/sites/morgancounty/files/Comprehensive- Plan-2008.pdf*
- ☑ How this project/proposed use meets the criteria for Special Use Permit pursuant to Sec. 2-455 of the Zoning Regulations
- ☑ How the project/proposed use meets any specific criteria related to the project/proposed use. *See Morgan County Zoning Regulations Chapter 4-Supplementary Regulations, including but not limited to: Campgrounds, Livestock Confinement, Kennels, Outdoor Shooting Ranges, Home Occupations, Oil and Gas, Mobile Home Parks, Wireless Service Facilities, Solar, Wind and BESS*
- ☑ How project will relate to or impact existing adjacent uses
- ☑ All off-site impacts and proposed mitigation measures
- ☑ Development or implementation schedule of project
- ☑ Proposed length of time the permit, if applicable
- ☑ Discussion of any public improvements required to complete the project

Environmental Impacts: ☑ Discuss any environmental impacts the Special Use will have on the following and the proposed mitigation measures:

☑ Air Quality	☑ Dust	☐ Existing Vegetation	☐ Land Forms
☑ Noise	☑ Odor	☑ Storm Water Runoff	☐ Water Resources
☐ Wetlands	☐ Wildlife	☐ Visual Amenities	☑ Other Nuisances

Map & Plans ☑ **Special Use Map** meeting the requirements of Se. 2-470 and any specific map requirements for the proposed use including but not limited to: *Campgrounds, Livestock Confinement, Kennels, Outdoor Shooting Ranges, Home Occupations, Oil and Gas, Mobile Home Parks, Wireless Service Facilities, Solar, Wind and BESS. Sample Map attached to application for reference*

- ☐ **Drainage/Run-Off Control Plan** may be required if the Planning Administrator determines that the use or building meets one of the following criteria:
  - (1) The accessory use or building may have a drainage impact on adjacent properties;
  - (2) The accessory use or building may have a drainage impact on adjacent right of ways;
  - (3) The accessory structure is 5000 square feet or larger.
- ☐ **Decommissioning Plan** [Wind, Solar, BESS]
- ☐ **Geotechnical Report** [Wind, Solar]
- ☐ **Maintenance Statement** [Wind, Solar, BESS]
- ☐ **Water and/or Wind Erosion Control Plan** [Wind, Solar]
- ☐ **Fire Mitigation Plan** [BESS]
- ☐ **Specification Sheet** [BESS]
- ☐ **Emergency Operation Plan** [BESS]

Ownership:
- ☑ **Current title insurance commitment (last 6 months)**
- ☑ **Mineral Rights Holders Notification**
- ☐ **Notice to FFA & Approval Letter** [Wind]
- ☐ **Notice to Operator of Communication Link (if applicable)** [Wind]
- ☑ **Proof of current paid taxes**

Utilities/Access:
- ☑ **Water tap (Engineering Report from Quality Water or proof of access to a well)**
- ☑ **Sewer (Septic Permit, Will Serve Letter from NCHD or proof of other public system)** NCHD Letter - Portable toilets until office/septic is built.
- ☑ **Electric (Electric bill or letter of commitment from electricity provider)**
- ☑ **Driveway Permit from CDOT or Morgan County Road & Bridge (If required by staff)**
- ☑ **Ditch Company- Proof of contact if there is a ditch on or next to subject property**
- ☐ **Architecture Control Approval (if applicable)**
- ☐ **Utility Interconnection or Crossing Certification** [Wind, Solar]
- ☐ **Road Agreement** [Wind, Solar]
- ☐ **Electrical Diagram** [BESS]

Vested Rights: ☒ **Vesting Rights** (Optional). If applying for vested rights with special use application, the following must be submitted:

- ☒ Period of time Vesting Rights are requested
- ☒ Development schedule including timeline and phases
- ☒ Reason for request
- ☒ Other pertinent factors concerning the development
- ☐ Additional application fee for vesting rights application

Miscellaneous: ☒ **Right to Farm Policy** signed by Landowner(attached)

- ☐ **Liability Insurance for Solar, Wind and/or BESS projects**
- ☐ _____**# Paper Application sets**
- ☐ _____**Digital Copy of Application** (One sided only)
- ☐ **Posted Public Notice Verification:**
  - ☐ Notarized affidavit with photographs from a distance & close-up

    This must be submitted PRIOR to Planning Commission hearing and PRIOR to Morgan County Board of Commissioners hearing
- ☒ **Additional Information required by staff:**

  Soils map

APPLICANT & LANDOWNERS **MUST** SIGN APPLICATION ON NEXT PAGE

MORGAN COUNTY RIGHT TO FARM POLICY

Morgan County is one of the most productive agricultural counties in Colorado. Ranching, farming, animal feeding, and all agricultural activities and operations in Morgan County are integral and necessary elements of the continued vitality of the County's economy, culture, landscape, and lifestyle. Over 70% of the County's acreage is devoted to farming and raising livestock with over 700 farms. The agricultural products produced by those farms create millions of dollars of market value. Morgan County recognizes the importance of agricultural operations as necessary and worthy of recognition and protection and supports policies to maintain the high-quality rural character of the County.

Living in Morgan County requires residents to accept the effects of agriculture and rural living as part of daily life. Agricultural users of the land are not expected to change their long-established agricultural practices to accommodate the intrusions of residential activities into a rural area. These effects may include noise from tractors, equipment, and aerial spraying at any time; dust from animal pens, field work, harvesting, and use of gravel roads; odor from confinement animal feeding operations, silage and manure; smoke from ditch burning; flies and mosquitoes; the use of pesticides and fertilizers; and movement of livestock or machinery on public roads. Under Colorado law, these activities are not considered nuisances and are protected.

Residents must also accept that public services in rural areas are different than urban or suburban areas. Specifically, regular road maintenance may be less available and may be at a lower level. In certain circumstances, the standard for maintenance may be determined on whether the road is passable and usable and not whether the road surface is rough. County gravel roads, no matter how often they are maintained, will not provide the same kind of surface expected from a paved road and will not support travel at the recommended speed. Further, the County may permit certain road maintenance activities by agricultural producers or other industries to allow those commercial activities to continue when County resources are unavailable due to other road issues or events. The County considers these activities to be integral to the protection of agricultural operations in Morgan County.

In addition, in Morgan County, utility services may be nonexistent or subject to interruption; law enforcement, fire protection and ambulance service will have considerably longer response times; and snow may not be removed from County roads for several days after a major snowstorm. The County prioritizes snow removal as it deems necessary.

People are exposed to different hazards in a rural setting than they are in an urbau or suburban area. Farms, ponds, irrigation ditches, electrical service to pumps and oil field equipment and operations, noxious weeds, livestock, and territorial animals may present real threats to people. It is necessary that all activities are supervised for both the protection of the people and protection of agricultural activities and owners may need to fence property to ensure a safe environment.

All County residents are encouraged to learn about their rights and responsibilities and to act as good neighbors and citizens of Morgan County. This includes but is not limited to obligations under Colorado State law, including but not limited to, the Colorado Fence and Right to Farm laws, and Morgan County Zoning Regulations regarding maintenance of fences, controlling weeds, and keeping animals under control. Residents are responsible for understanding and accepting the implications of living in a rural agricultural area.

Information regarding these topics may be obtained from the Morgan County Extension Office and Planning and Zoning Department.

RECEIPT AND STATEMENT OF UNDERSTANDING

I hereby certify that I have read and understood the Morgan County Right to Farm Policy. I further state that I am aware and acknowledge that the conditions of living in a rural area, primarily used for agricultural production, and that I understand these activities are protected under Colorado law and are not considered a nuisance.

Signature 6/11/25
Date

DON CHAPMAN
Printed Name

RIVERSIDE IRRIGATION DISTRICT

221E KIOWA AVE
Address

Signature Date

Printed Name

Address

Adopted by the Morgan County Board of County Commissioners by Resolution 2025 BCC 21

MORGAN COUNTY RIGHT TO FARM POLICY

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Kirk Crone	06/11/2025		
Signature	Date	Signature	Date
Kirk Crone			
Printed Name		Printed Name	
18620 County Rd V, Fort Morgan, CO 80701			
Address		Address	

Adopted by the Morgan County Board of County Commissioners by Resolution 2025 BCC 21

APPLICANT & LANDOWNER'S STATEMENT

I certify that the information and exhibits I have submitted are true and correct to the best of my knowledge.
Application must be signed by landowners as shown on title insurance/commitment.

Travis Hertneky Digitally signed by Travis Hertneky
Date: 2025.02.10 15:51:31 -07'00'

Applicant Signature — Date

Applicant Signature — 3/21/25 Date

Landowner Signature — 04/29/2025 Date

Landowner Signature — 3/21/25 Date

Morgan County, Colorado
Planning and Zoning
231 Ensign Street, P.O. Box 596 Fort Morgan, CO 80701
970-542-3526

Transaction Date/Time	02-14-2025 9:33 am
Merchant ID	4445065707804
Transaction ID	CC2366421
Customer Name	KRESS/ERIN
Payment Type	Credit Card
Card Logo	Mastercard
Account Number	2524
Approval Code	01481Q
Response Code	00
Subtotal	$800.00
Convenience Fee	$19.12
ɔtal Amount	$819.12

Order Details

Item Reference	
Item Name	Blind Payment
1 x $800.00	$800.00

Additional Details

Customer name:

STATEMENT OF AUTHORITY

1. This Statement of Authority relates to an entity[1] named
CK 2 Cattle Company, LLC
and is executed on behalf of the entity pursuant to the provisions of Section 38-30-172, C.R.S.

2. The type of entity is a:

☐ trust	☐ registered limited liability partnership
☐ nonprofit corporation	☐ registered limited liability limited partnership
☒ limited liability company	☐ limited partnership association
☐ general partnership	☐ government or governmental subdivision or agency
☐ limited partnership	☐ corporation
☐ _____	

3. The entity is formed under the laws of Colorado

4. The mailing address for the entity is 22251 County Road 23, Fort Morgan, CO 80701

5. The ☒ name ☐ position of each person authorized to execute instruments conveying, encumbering, or otherwise affecting title to real property on behalf of the entity is
Kirk Crone

6.[2] The authority of the foregoing person (s) to bind the entity is ☒ not limited ☐ limited as follows: _____

7. Other matters concerning the manner in which the entity deals with interests in real property:

Executed this 24th day of March, 2025

Kirk Crone
Signature

Signature

STATE OF COLORADO
COUNTY OF Morgan } SS:

The foregoing instrument was acknowledged before me this 24th day of March, 2025, by Kirk Crone.

Witness my hand and official seal.

Erin Pease Kress
Notary Public

My commission expires: 01/19/2029

[1]This form should not be used unless the entity is capable of holding title to real property.
[2]The absence of any limitation shall be prima facie evidence that no such limitation exists.
[3]The statement of authority must be recorded to obtain the benefits of the statute.

ERIN PEASE KRESS
NOTARY PUBLIC
State of Colorado
Notary ID # 20214002197
My Commission Expires 01/19/2029

STATEMENT OF AUTHORITY

1. This Statement of Authority relates to an entity[1] named THEngineering, Inc and is executed on behalf of the entity pursuant to the provisions of Section 38-30-172, C.R.S.

2. The type of entity is a:

☐ trust	☐ registered limited liability partnership
☐ nonprofit corporation	☐ registered limited liability limited partnership
☐ limited liability company	☐ limited partnership association
☐ general partnership	☐ government or governmental subdivision or agency
☐ limited partnership	☒ corporation
☐ _____	

3. The entity is formed under the laws of Colorado

4. The mailing address for the entity is 20997 County Road 90, Calhan, CO 80808

5. The ☒ name ☒ position of each person authorized to execute instruments conveying, encumbering, or otherwise affecting title to real property on behalf of the entity is Travis E Hertneky.

6.[2] The authority of the foregoing person (s) to bind the entity is ☒ not limited ☐ limited as follows: _____.

7. Other matters concerning the manner in which the entity deals with interests in real property:

Executed this 20th day of March 2025.

Signature

Signature

STATE OF COLORADO
COUNTY OF Weld } SS:

The foregoing instrument was acknowledged before me this 20th day of March, 2025, by Travis Hertneky.

Witness my hand and official seal.

Erin Pease Kress
Notary Public

My commission expires: 01/19/2029

[1]This form should not be used unless the entity is capable of holding title to real property.
[2]The absence of any limitation shall be prima facie evidence that no such limitation exists.
[3]The statement of authority must be recorded to obtain the benefits of the statute.

ERIN PEASE KRESS
NOTARY PUBLIC
State of Colorado
Notary ID # 20214002197
My Commission Expires 01/19/2029

STATEMENT OF AUTHORITY

1. This Statement of Authority relates to an entity[1] named Riverside Irrigation District, and is executed on behalf of the entity pursuant to the provisions of Section 38-30-172, C.R.S.

2. The type of entity is a:

☐ trust	☐ registered limited liability partnership
☐ nonprofit corporation	☐ registered limited liability limited partnership
☐ limited liability company	☐ limited partnership association
☐ general partnership	☒ government or governmental subdivision or agency
☐ limited partnership	☐ corporation
☐ _____	

3. The entity is formed under the laws of Colorado

4. The mailing address for the entity is 221 E Kiowa Ave, Fort Morgan, CO 80701

5. The ☒ name ☐ position of each person authorized to execute instruments conveying, encumbering, or otherwise affecting title to real property on behalf of the entity is Don Chapman.

6.[2] The authority of the foregoing person (s) to bind the entity is ☒ not limited ☐ limited as follows: _____.

7. Other matters concerning the manner in which the entity deals with interests in real property:

Executed this 21st day of March, 2025.

Don Chapman
Signature

Signature

STATE OF COLORADO
COUNTY OF Morgan } SS:

The foregoing instrument was acknowledged before me this 21 day of March, 2025, by Don Chapman.

Witness my hand and official seal.

Cynthia R. Lefever
Notary Public

My commission expires: June 26, 2028

[1]This form should not be used unless the entity is capable of holding title to real property.
[2]The absence of any limitation shall be prima facie evidence that no such limitation exists.
[3]The statement of authority must be recorded to obtain the benefits of the statute.

Cynthia R. Lefever
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID# 19874073343
MY COMMISSION EXPIRES JUNE 26, 2028

Gmail

Cheryl Brindisi <cbrindisi@co.morgan.co.us>

CK2 Operation plan after permit

1 message

Travis Hertneky [redacted] Thu, Jul 10, 2025 at 11:22 AM
To: Nicole Hay <nhay@co.morgan.co.us>
Cc: Erin Kress [redacted] Kirk Crone [redacted], Don Chapman [redacted] Cheryl Brindisi <cbrindisi@co.morgan.co.us>

Good Morning Nicole,

This email is in response to your conversations with Erin about the eventual plan for the feedyard operations.

Right now the permit application is in both CK2 and Riverside irrigation names. CK2 has a contract on the west parcel and will purchase the property once the permit is issued. The original intent was for CK2 to purchase prior to permit but that process was just taking too much time between the exact extents not being known due to still being in design, negotiations with Riverside and the board, and just overall time of attorneys and everybody reviewing. Since this purchase was dragging on we decided to apply with co applicants with Riverside still owning the west parcel. As per our conversations with you they have halted the closing until permit is issued. The plan is to finalize the purchase as quickly as possible after the permit is issued.

Upon issuance of the permit the feedyard will immediately commence construction starting from the east and working west. At current projections they anticipate being complete to the west in a couple of years however we also have that vesting of rights in case it does take a bit longer.

--
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Design Report

CK2 Cattle Company

PART OF THE SE ¼ SEC 30, E ½ OF NE ¼ SEC 31, NW ¼ & W ½ OF NE ¼ SEC 32, T 5N, R 57W OF THE 6TH P.M., MORGAN COUNTY, COLORADO

Prepared By

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1.0 Approval and Certification, and Applicability

1.1 Professional Certification

I attest that this Plan has been prepared in accordance with good engineering practice, including consideration of applicable industry standards and the requirements of the Colorado Department of Public Health and Environment, and Morgan County Planning and Zoning; that I or one of my properly trained and supervised representatives have visited and examined the facility, that procedures for required inspections and testing have been established; and that this plan is adequate for the facility.

Travis Hertneky P.E.

Erin P. Kress

Erin P. Kress

2.0 Purpose and Scope

2.1 Project Summary

CK2 Cattle Company is a small existing animal feeding operation located northeast of Fort Morgan, Colorado along County Road 19 north of the intersection with County Road Y. The facility will be expanded to become a dairy heifer raising operation.

This project will be constructed in three distinct phases. Each phase is designed to be independently constructed with balanced earthwork and dedicated stormwater containment for each phase.

Phase I will consist of new corrals located east of the Riverside Canal. This phase will replace much of the existing capacity with new modern pens. This phase will initially handle all ages of cattle, but upon full buildout will handle the smaller calves as they are received before breeding age.

Phase II is located east of County Road 19 and west of the Riverside Canal. It will begin immediately upon completion of Phase I and corrals will be sized for breeding age heifers. Upon full buildout the smaller heifers will be brought from Phase I to be bred then will proceed to Phase III during their gestation prior to being shipped back to respective dairy.

Phase II will also accommodate all the feed storage, commodity barn, and shop and office.

Phase III will be the final phase located west of County Road 19. This will be the largest pens and provide housing for bred heifers to complete gestation prior to being shipped back to respective dairies.

Below is a table of the animal units requested in this special use permit. The facility proposes a maximum animal number of 25,850 Animal Units (AUs) in the confinement area of the facility with a normal planned maximum operating capacity of approximately 16,110 AUs.

Phase	Type	Number	Animal Unit Equivalent	Total Animal Units
Phase I	Cattle/Heifers	4,900	0.6	2,940
Phase II	Cattle/Heifers	3,450	1.0	3,450
Phase III	Cattle/Heifers	8,100	1.2	9,720
Total		**16,450**		**16,110**
(Alternate)				
Phase I	Feeder	6,600	1.0	6,600
Phase II	Feeder	5,750	1.0	5,750
Phase III	Feeder	13,500	1.0	13,500
Total		**25,850**		**25,850**

2.2 Project Description

The project site is located in part of the southeast 1/4 Section 30, east 1/2 of northeast 1/4 Section 31, northwest 1/4 & west 1/2 of northeast 1/4 of Section 32, Township 5 North, Range 57 West, of the 6th p.m., Morgan County, Colorado. The project site straddles County Road 19 with the majority of truck traffic accessing the loading/unloading and feed areas on the east side of County Road 19. The facility will operate Monday-Sunday, twenty-four hours per day. The majority of operations will take place during normal business hours.

2.3 Basis for Design

This facility was designed in accordance with various universities' research and extension publications, the Natural Resources Conservation Service (NRCS) recommendations and generally accepted best management practices. Publications directly referenced are from Colorado State University, Kansas State University, Texas A&M University, American Society of Agricultural Engineers (ASAE). The facility was also designed in accordance with the current Colorado Department of Public Health and Environment (CDPHE) regulations for Confined Animal Feeding Operation 5-CCR-1002-61.17 and 5-CCR-1002-81.

3.0 Regulation Applicability

3.1 Colorado Department of Public Health and Environment

The Colorado Department of Public Health and Environment's Environmental Agriculture Program (EAP) regulates Animal Feeding Operations in Colorado through regulations for Confined Animal Feeding Operation 5-CCR-1002-61.17 and 5-CCR-1002-81. The facility intends to register as a Concentrated Animal Feeding Operation with the EAP once it starts operating at above 1,000 animal units.

3.2 Morgan County

The facility is currently zoned A (Agriculture Production District), is compatible with existing land uses, adequately buffered and in conformance with the Morgan County Comprehensive Plan.

According to Morgan County zoning regulations, agriculture is considered to be a highly valued resource in Morgan County. Conservation of agricultural resources and land is paramount, and such land and resources must be protected from adverse impacts resulting from uncontrolled and undirected business, commercial, industrial and residential uses. The A zone is established to maintain and promote agriculture as an essential industry of Morgan County. The A zone is established to provide areas for the conduct of agriculture activities and activities related to agriculture and agricultural production without the interference of other incompatible uses. Morgan County recognizes that non-agriculture uses, such as residences, occur in the Agriculture Zone, but that these uses are subordinate to agricultural uses.

The Morgan County Comprehensive Plan encourages the preservation of agriculture production lands outside of the municipality planning areas. The expansion of the feedyard will also promote economic growth through increased employment availability and additional purchases of local commodities.

3.2.a Review Criteria

This report is prepared as part of a complete application for special permit as included in section 2-440 of Morgan County Zoning Regulations dated November 2024. This report outlines the planned uses and siting components in addition to a special use plan map which has prepared in conformance with section 2-470 of the Morgan County Zoning Regulations. A copy of this map which reduces all on and off-site impacts is included in application. This design report contains all pertinent technical information for the project. The facility has adequate financial resources to implement this project, and has paid all fees and review costs levied, to date, by the County for application processing and review. This project is not planned on a non-conforming parcel. The facility will operate in compliance with applicable CAFO State Regulations that help minimize the risk to public health, safety and welfare, per Morgan County Zoning Regulations 2-455(F).

CK2 will utilize bottled water for human consumption for initial operations until the office/shop is built. Until that time, the facility will not have an area that employees will have access to water fountains/faucets, thus any consumption will be available individual bottled water or bottled supplied from water cooler.

Once the office/shop is built, anticipated to be within the first two years, the commercial wells will be tied into the office shop, tested and used as the permanent water source for human consumption.

The planned facility is designed in accordance with Morgan County Planning and Zoning Regulation dated November 2024 and specifically section 4-200 regarding confined animal feeding operations.

4-200(A), The facility is planned to be greater than 1320’ from any occupied building which is not a part of the permit. Specifically the closest residence of concern is located approximately 2020ft to the north of the facility. Additional residences are located to the east and southeast at 2350ft or greater.

4-200(B), The facility is greater than 660’ from any zone boundary.

4-200(C), The facility is not proposing any action based on existing non-conforming use and requesting a permit for planned conditions.

4-200(D), The facility does not have any concerns with CDOT ROW. Several County ROWs are adjacent or included in the permitted area. The permitted area is the property line which follows the section line in many areas. This leaves an obvious overlap into the 30’ ROW. In all areas the planned improvements are located outside of the ROW with the exception of the northern portion of Phase III. This portion crosses from Section 31 into Section 30 and across subsequent ROW. The facility has been laid out to not have any substantial improvements constructed within this ROW with the pens stopping to the south and the stormwater containment starting north of the ROW. Construction within this ROW between the corrals and stormwater will be limited to earthwork to create site roads and the only permanent improvements will be drainage culverts and water utilities.

4-205, Waste management, See following sections in this report specifically sections 4.0 and 5.0.

4-210, Rodent and insect control, See nuisance management plan in section 7.0.

4-215, Feed and water facility aprons, Facility will be constructed with concrete feed aprons and feed lanes to facilitate fenceline feeding for all containment pens. Water troughs will be installed in fenceline or as island in pen with concrete aprons around all waterers.

4-220, Grading of confinement area, Proposed corral areas are proposed to be on newly graded areas to provide near perfect drainage. All pens have desirable slope away from the feed aprons and adequate slope down the row to facilitate the drainage to the stormwater ponds.

4-225, Drainage facilities, See following sections in this report specifically section 4.0.

4-230, Fugitive dust control, Dedicated pen dust suppression sprinkler system is not planned. Pen dust is to be maintained primarily by managing animal density and activity with the usage of water trucks on a limited as necessary basis. Dust created by truck traffic will also be mitigated by the usage of water trucks or treating of roads with magnesium chloride as necessary. All feed lanes will be paved to minimize dust generation from those areas.

4-235, Odor control, See nuisance management plan section 7.3.

4-240, Expansion, This design permit is associated with a permit application for major expansion.

4-245, Health of animals, Owners acknowledge this requirement and it is in the feedyards best interest to keep healthy animals. The feedyard will have at least one vet on record at all times which will be consulted with regularly on all animal health matters.

4-250, Land use map and ownership, See attached special use permit plat map.

4-255, Notification, All adjacent landowners have been notified.

4-260, Adequate water, The facility has permitting and well infrastructure in place or planned to adequately water the proposed livestock associated with each phase of construction. Water will be provided by two newly constructed augmented commercial livestock wells located east of Phase I.

4.0 Hydrology and Hydraulics

Current best management practices advise animal feeding operations to intercept any stormwater runoff that comes in contact with feed or manure. In Colorado this is typically done with a waste storage pond. The accumulated water is typically evaporated or land applied at agronomic rates to provide only the amount of nutrients that the crop can utilize. In Colorado it is required that animal feeding operations over 300 animal units have a liner installed in the pond. These liners can be made of either earthen or man-made materials and must meet a seepage requirement of 1.0×10^{-6} cm/sec. The existing waste management system for this facility utilizes compacted clay liners.

This waste management system is designed to contain the 25year-24hour storm event as determined from the TAPS weather data. The required capacity was determined using the spreadsheet 313Pond.XLS

"RECTANGULAR WASTE STORAGE POND DESIGN COMPUTATIONS" developed by NRCS State Conservation Engineer for Colorado, John Andrews. The spreadsheet uses a monthly balance approach accounting for precipitation inputs as well as evaporation and pumped draw-downs during the summer irrigation season for the outputs.

All storm water from the lot area will be contained in the existing wastewater storage ponds. All precipitation that does not fall directly on these areas will be diverted away from the containment area and will flow into the natural drainages.

4.1 Existing Facility

The existing facility has a capacity of approximately 1,500 animal units; however, has not recently been operated at that capacity. Operating under the 1,000 animal units threshold the facility is compliant with applicable environmental regulations. As an unregulated facility no official environmental control features are present; however, some impromptu Best Management Practices (BMP) appear to have been constructed to prevent runoff to the creek.

The existing corrals are all open lot earthen corrals with older fencelines and u shaped feedbunks. The existing facilities will be utilized minimally as-is initially and then corrals renovated to match the new construction and other corrals removed to become a livestock receiving area.

4.2 Proposed Facility

The proposed facility will be constructed in three distinct phases in their respective individual drainage basins. Colorado 5-CCR-1002-61.17 and 5-CCR-1002-81 dictate the runoff containment be sized to handle the greater runoff from either the 25year-24hr storm event or the chronic storm defined as the 10year-10day storm event. NOAA Atlas 14, Volume 8, Version 2 was utilized to determine the point precipitation frequency estimates and is included in the Appendix and determined that the 25yr-24hr storm is 3.34in and the chronic storm is 4.22in. These projected storms are utilized to size the appropriate diversions and retention sizing of ponds for each watershed.

Site construction will consist of overlot grading all areas to be utilized to achieve proper drainage and stormwater containment. Following overlot grading the corral construction will commence with paving of concrete feed lanes and aprons, utility installation, and fence construction. Finished feedyard will look very similar to existing feedyards in the County with concrete feed lanes and aprons and earthen pens draining to earthen lined stormwater ponds. The entire perimeter of the facility will be fenced with a combination of feedyard style cable fencing and typical barbed wire fencing. Access of the site will be limited to the outlined accesses and these accesses will be closed when not necessary to be used.

A shop/office will be constructed at the southern edge of the site which will service for visitor control and will accommodate the truck scale. An open sided commodity barn will house the feedstuffs necessary for daily feeding and silage will be stockpiled adjacent to commodity barn for annual feedout to cattle. Almost all of the disturbed areas will become production area and any outside cut or fill banks will be seeded with suitable grasses to prevent erosion and other nuisances.

Cattle will be received at the receiving area located where the existing corrals currently are. These younger heifers will be sorted as necessary and started in the adjacent feeding pens. They will mature a few months before being moved across the canal to the west to the Phase II corrals which are larger to accommodate the larger heifers where they will be bred. Bred heifers will remain in these Phase II corrals until confirmed and then will be moved to the Phase III corrals to grow during the gestation period until they are ready to be shipped back to the host dairies.

Daily operations at the facility will consist of the receiving of new cattle, processing these newly received cattle, breeding and associated checking of heifers, and shipping of bred heifers to host dairies. While the livestock crews take care of the animals the feeding crews will regularly mix and deliver rations to the heifers from the onsite commodity barn. All of this work happens predominantly on-site during normal working hours without much of any of-site impacts. Occasional livestock trucks will arrive after hours and minimal livestock processing will happen outside of normal business hours.

The activity noticed off-site would be predominantly the arrival and departure of livestock trucks as outlined in the traffic estimates. The bulk of the feed will be stockpiled on-site in the form of silage or dry hay and arrives to the facility during those respective harvest seasons. Additional feedstocks will arrive daily and include items such as ground corn, mineral, etc. All of these feed produces a near equal amount of manure that must be removed. Manure will be stockpiled in pens and removed periodically to be spread on adjacent farmground. This manure removal can happen anytime of year, but will predominantly happen during the winter months when the area farmground is fallow. Details of the manure management are outlined in Section 5.0 of this report.

4.2.a Phase I

Phase I will be constructed in the southeast corner of the site and will comprise of new and existing corrals. This area will eventually house the younger calves as well as receiving area. New pens will flow directly to the proposed runoff pond located southeast of the corrals. The corrals will be graded to drain directly to the pond while a new collection and diversion system will be built to capture runoff from the existing corral area.

4.2.a.1 Waste Storage Ponds

East Runoff Storage Pond will be constructed to the southeast of the proposed Phase I corrals. This pond will be constructed in an area adjacent to the mapped Zone A for flooding from the 100yr runoff as mapped on panel 08087C042oD effective 4/4/2018. All proposed runoff control structures for the new construction is planned outside of these mapped extents. The design storm is determined to be the Chronic event for and corresponds to a depth of 4.22 in. Using an earthen lot area of 52 acres and a 10 day curve number of 81, the runoff yield is 2.29 in. This corresponds to a total design storm volume from Phase I of 9.90 acre-feet. Additionally the precipitation on the top of the pond is accounted for, requiring an additional 0.74 acre-feet of storage totaling 10.65 acre-feet total storage required to contain the design storm. Additional storage volume is accounted for to contain runoff from daily precipitation events and snow melt with a total storage at 2ft freeboard of 16.4ac-ft yielding a working capacity of 154% of storm runoff.

The storage pond is trapezoidal in shape and will be lined with a compacted clay liner that meets or exceeds the state requirements of 1x10-6cm/sec permeability. The embankments include 2' of freeboard and will include an emergency spillway. The system will be designed to be pumped as minimally as possible to allow land application during a minimal period in the spring if necessary with the majority of the land application occurring during the growing season when the stormwater can be blended with fresh water. The water level in the pond must be kept below the working depth marked on the staff gauge to ensure adequate storage capacity for runoff from the design storm.

4.2.a.2 Diversions

New pens are constructed to be drained naturally to the east. At the east end of each row of corrals the drainage flows under the internal feed road via culverts. These culverts flow to a runoff diversion channel. This channel is constructed grossly oversized to allow for sediment accumulation and provide extra safety to discharge. This channel flows to the south at a 0.61 percent where it enters the runoff pond via a concrete spillway. Peak runoff flow from all the contributing corrals has been estimated at 69 cfs for the 25yr-24hr storm event without any routing or conveyance limitations for a conservative design. Channel capacity at design flow has been calculated at 0.95ft depth with a maximum channel capacity of 637cfs providing almost 1000% factor of safety. The southernmost two rows of corrals drain directly to the pond via two culverts under the internal feed road.

The proposed pond location is located outside of the mapped 100yr floodplain however some of the existing corrals remain in the floodplain and the runoff from these must be captures. To avoid placing any fill in the floodplain the existing small runoff basins will be formalized and enlarged as necessary to contain the runoff from the 25yr-24hr storm event. The catch basin will have a permanent lift pump installed that will be utilized to dewater to the stormwater pond.

The Riverside Canal borders the west side of this watershed and prevents any run-on onto the facility from the west. The southern edge is built up and prevents any run-on from the south and water flows in its natural direction past the runoff pond.

All diversions were designed to adequately divert the 25year-24hour storm event as per state regulations.

4.2.b Phase II

Phase II will be constructed in the middle of the site and cover an area between county road 19 on the west and the riverside canal on the east. This Phase will consist of corrals for breeding age heifers along with the commodity and feed storage area. New pens will flow to the north via site grading to culverts at the north end of each row of pens where a culvert will convey the runoff to sediment basins then to the storage pond located on the north edge of the site. The southern portion of the site will be utilized primarily for commodity storage and will be graded extensively to direct water away from County Road 19 and the Riverside Canal where grading will direct the water to the north where culverts will convey it under the main site road and into the corrals flowing north. This southern portion will also house the scale, shop and office area adjacent to County Road 19 when you first approach the site.

4.2.b.1 Waste Storage Ponds

Middle Runoff Storage Pond will be constructed to the north of the proposed Phase II corrals. The design storm is determined to be the Chronic event for and corresponds to a depth of 4.22 in. Using an earthen lot area of 59 acres and a 10 day curve number of 81, the runoff yield is 2.29 in. This corresponds to a total design storm volume from Phase II of 11.29 acre-feet. Additionally the precipitation on the top of the pond is accounted for, requiring an additional 0.85 acre-feet of storage totaling 12.13 acre-feet total storage required to contain the design storm. Additional storage volume is accounted for to contain runoff from daily precipitation events and snow melt with a total storage at 2ft freeboard of 19.12ac-ft yielding a working capacity of 157% of storm runoff.

The storage pond is rectangular in shape and will be lined with either a compacted clay or geomembrane liner that meets or exceeds the state requirements of 1x10-6cm/sec permeability. The embankments include 2' of freeboard and will include an emergency spillway. The system will be designed to be pumped as minimally as possible to allow land application during a minimal period in the spring if necessary with the majority of the land application occurring during the growing season when the stormwater can be blended with fresh water. The water level in the pond must be kept below the working depth marked on the staff gauge to ensure adequate storage capacity for runoff from the design storm.

4.2.b.2 Diversions

This watershed will not have any distinct diversions and instead all grading is designed like a bowl to direct runoff towards the middle and north where it will be intercepted by the long sediment basin along the northern edge. This bowl grading provides very good protection to the Riverside Canal and does not require any additional protection measures.

4.2.c Phase III

Phase III will be constructed at the west edge of the site, west of county road 19. This Phase will consist of corrals for predominantly bred heifers. New pens will flow to the north via site grading to culverts at the north end of each row of pens where a culvert will convey the runoff to sediment basins then to the storage pond located on the north edge of the site.

4.2.c.1 Waste Storage Ponds

West Runoff Storage Pond will be constructed to the north of the proposed Phase III corrals. The design storm is determined to be the Chronic event for and corresponds to a depth of 4.22 in. Using an earthen lot area of 74 acres and a 10 day curve number of 81, the runoff yield is 2.29 in. This corresponds to a total design storm volume from Phase III of 14.09 acre-feet. Additionally the precipitation on the top of the pond is accounted for, requiring an additional 1.06 acre-feet of storage totaling 15.15 acre-feet total storage required to contain the design storm. Additional storage volume is accounted for to contain runoff from daily precipitation events and snow melt with a total storage at 2ft freeboard of 24.51ac-ft yielding a working capacity of 162% of storm runoff.

The storage pond is rectangular in shape and will be lined with either a compacted clay or geomembrane liner that meets or exceeds the state requirements of 1x10-6cm/sec permeability. The embankments include 2' of freeboard and will include an emergency spillway. The system will be

designed to be pumped as minimally as possible to allow land application during a minimal period in the spring if necessary with the majority of the land application occurring during the growing season when the stormwater can be blended with fresh water. The water level in the pond must be kept below the working depth marked on the staff gauge to ensure adequate storage capacity for runoff from the design storm.

4.2.c.2 Diversions

This watershed will not have any distinct runoff diversions and instead all grading is designed like a bowl to direct runoff towards the middle and north where it will be intercepted by the long sediment basins along the northern edge.

The area to the west of the site flows to the east and this run-on must be diverted away from site. Most of the area to the west is diverted by natural drainages but approximately 23 acres still drains towards facility and must be diverted. A diversion will be constructed along the western edge which will divert water to the north and south from the ridge.

5.0 Manure Management

5.1 Solid Manure

The facility proposes a maximum animal number of 25,850 Animal Units (AUs) in the confinement area of the facility with a normal planned maximum operating capacity of approximately 16,000. Cattle are brought in around 400 pounds and leave the facility at approximately 1,200 pounds. Based on the average animal weight at the planned maximum operating capacity of 16,110, the animals at the facility are estimated to produce 48,000 tons of manure/year. At the maximum feeder capacity the projected manure generation is estimated at 41,000 tons/year. The manure generated will be gifted to area farmers for agricultural land application.

5.2 Wastewater

Wastewater generation will be the primary byproduct of the feedyard which will need to be managed on-site or locally. This will be stored in the facility's lined wastewater impoundments until it can be land applied at agronomic rates.

Stormwater will be land applied primarily to farmground controlled by the feedlot including flood irrigated farmground located at the east edge of the property which is scheduled to be improved with a new pivot. Additional land application will be made to a new pivot to be installed on ground owned by Riverside Irrigation District west of the facility.

6.0 Traffic

Traffic to and from the facility will consist primarily of arriving cattle, shipped cattle, incoming feed and outgoing solid manure. Table of anticipated truck and car traffic is presented in the Appendix. In general, the truck traffic will increase proportionally with the facility capacity. A significant number of

designed to be pumped as minimally as possible to allow land application during a minimal period in the spring if necessary with the majority of the land application occurring during the growing season when the stormwater can be blended with fresh water. The water level in the pond must be kept below the working depth marked on the staff gauge to ensure adequate storage capacity for runoff from the design storm.

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Traffic to and from the facility will consist primarily of arriving cattle, shipped cattle, incoming feed and outgoing solid manure. Table of anticipated truck and car traffic is presented in the Appendix. In general, the truck traffic will increase proportionally with the facility capacity. A significant number of

the total trips into the facility will be cars belonging to employees and vendors. This number does not increase proportionally with the additional livestock being able to be cared for with less people per head.

Upon full build out it is anticipated that there will be approximately 11,808 truck trips per year and 3,650 car trips per year when operated at permitted capacity of 25,850 feeders. Almost all of the traffic will utilize the main entrance located on County Road 19 coming from the south from County Road Y. The secondary accesses on County Road 19 to the north may be utilized minimally for harvest and manure traffic.

7.0 Nuisance Management

The methods presented below will be implemented by CK2 Cattle Company as applicable and necessary to minimize inherent conditions that exist on an animal feeding operation that may be considered a nuisance to others. The management practices described below are industry accepted and identified as effective at minimizing nuisance conditions. CK2 Cattle Company intends to be proactive in its approach to minimizing nuisance conditions.

7.1 Facility and Responsible Persons

CK2 Cattle Company

Kirk Crone, Owner

18620 County Road V

Fort Morgan, CO 80701

7.2 Pest Control

Insects and rodents are inherent to agricultural operations where typically a good food supply and ideal habitat for breeding and living are located.

In order to manage insects and rodents, CK2 Cattle Company will implement the following practices:

- Minimize Fly Habitat
    - Ensure good pen slope to promote drainage and reduce standing water to minimize ideal breeding conditions.
    - Keep grass and weeds mowed to reduce fly resting places.
    - Compost manure which minimizes pests by reaching temperatures that kill fly larvae.
    - Frequent manure removal from pens.
    - Keep spillage to a minimum when hauling manure.
    - Avoid feed spills and clean up any spills as soon as possible.

In addition to minimizing the habitat for flies to breed and live, CK2 Cattle Company will use fly traps in areas that flies tend to congregate. Parasitic wasps will also be used if necessary to help reduce fly reproduction. Insecticides and other chemicals will only be used when the other practices have failed to

minimize the nuisance. Use of insecticides will be carefully considered as these chemicals typically also kill parasitic wasps.

CK2 Cattle Company prides itself on good housekeeping at its facility. Minimizing feed spills and overall site maintenance will be used for rodent control. Rodent traps and bait will be used as necessary if the other practices have failed to minimize the nuisance.

7.3 Air Quality

In order to minimize these potential nuisance conditions, CK2 Cattle Company will primarily work to balance pen conditions through pen management. When pens, and therefore manure are wet, increased odor can be expected. However, with dry pens there is typically an increase in dusty conditions especially in evenings when animals tend to be more active.

In order to minimize dust at the facility, CK2 Cattle Company will implement the following practices:

- Pen Management
    - Frequent removal of manure from pens. This will also help compact any remaining manure on the pen surface making it less prone to being stirred up into the air as dust.
    - Maintain that compacted manure layer in the pens.
    - Stock animals in pens at densities that allow the pen surface to remain moist.
    - Keep empty pens to a minimum to reduce wind erosion that occurs in empty, dry pens.
    - Pen sizes are being reduced to decrease open pen surface area potentially affected by wind.

During extremely dry conditions when pen management is not sufficient to minimize the nuisance, CK2 Cattle Company may use water trucks or a big gun sprinkler system to provide moisture for pens and/or facility roads.

In order to minimize odor at the facility, CK2 Cattle Company will implement the following practices:

- Manure Management
    - Frequent removal of manure from pens.
    - Compost manure which reduces odor.
    - Routine pen maintenance so that there is not standing water present. This includes pen scraping as well as harrowing to aid in drying out the pen surface.

7.4 Noise

Machinery including feed trucks, tractors, skid-steers, pen maintenance equipment and more are used as an integral part of an animal feeding operation.

In order to minimize noise at the facility, CK2 Cattle Company will implement the following practices:

- Equipment Maintenance and Operation
    - Regular lubrication and parts replacement on machinery.
    - Operate machinery at lower speeds.

8.0 Appendices

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8.2 Aerial map 1:2000
8.3 Topo map 1:2000
8.4 Soils map
8.5 Flood plain map
8.6 Pond sizing spreadsheets
8.7 Pond stage storage curves
8.8 Manure generation calculations
8.9 Traffic calculations
8.10 O&G wells map
8.11 Emergency action plan

THE ENGINEERING, LLC
Greeley, CO

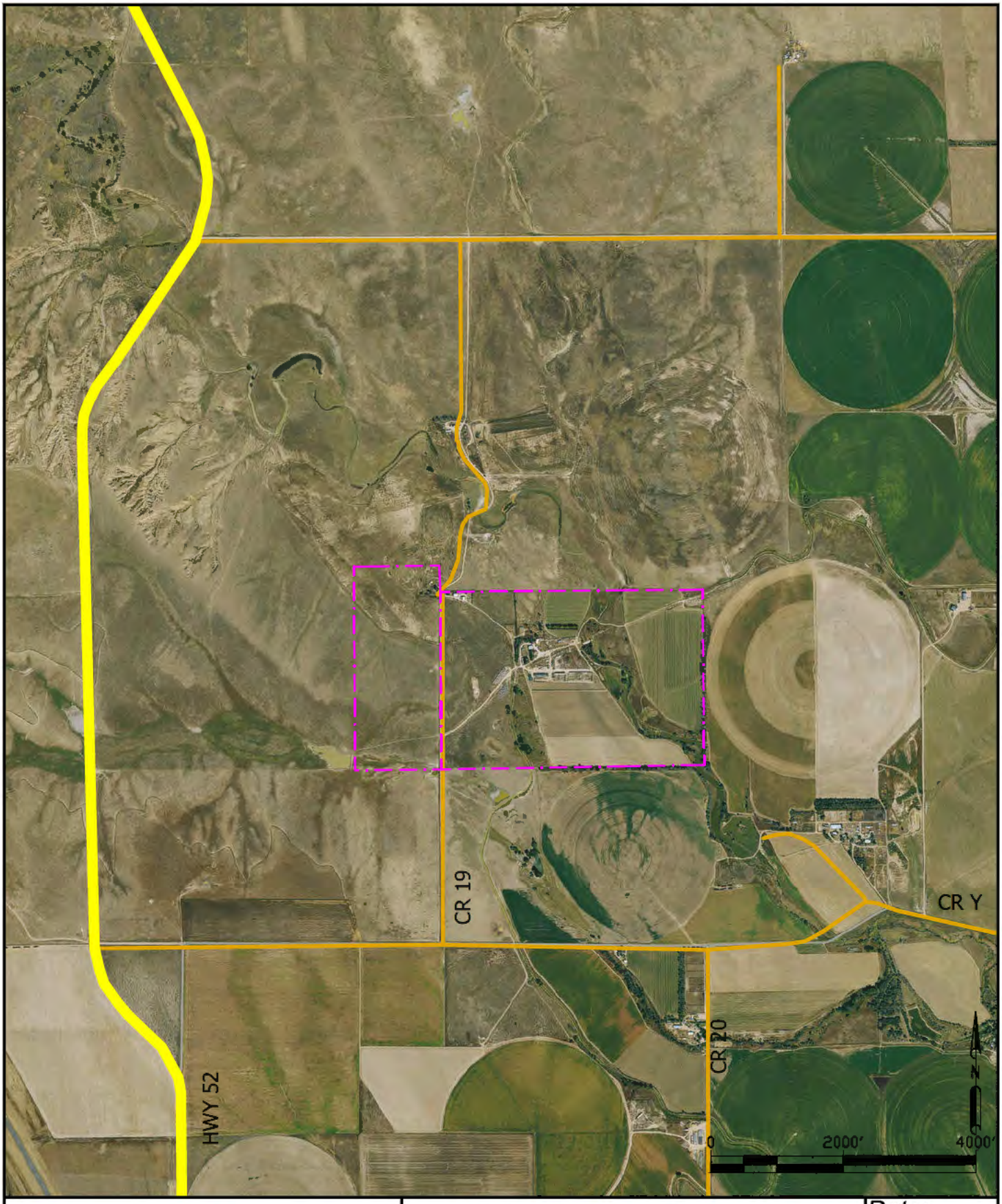
CK2 CATTLE COMPANY

AERIAL

MORGAN COUNTY, COLORADO

Date: 2/10/2025

Sheet No. 1 OF 1



THE ENGINEERING, LLC
Greeley, CO

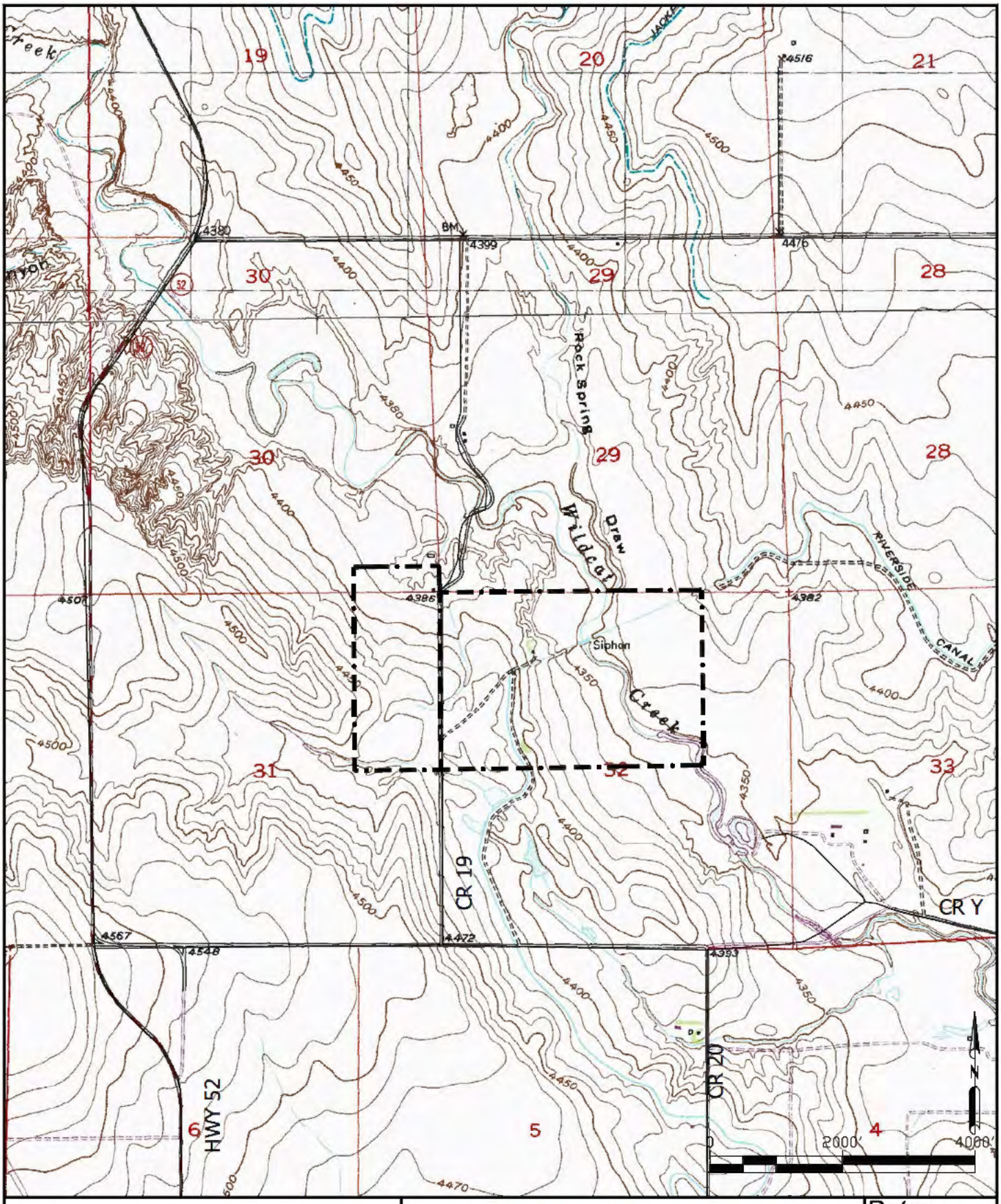
CK2 CATTLE COMPANY

AERIAL

MORGAN COUNTY, COLORADO

Date: 2/10/2025

Sheet No. 1 OF 1



THE ENGINEERING, LLC
Greeley, CO

CK2 CATTLE COMPANY

TOPO
MORGAN COUNTY, COLORADO

Date: 2/10/2025

Sheet No. 1 OF 1

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Morgan County, Colorado

CK2

February 10, 2025

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

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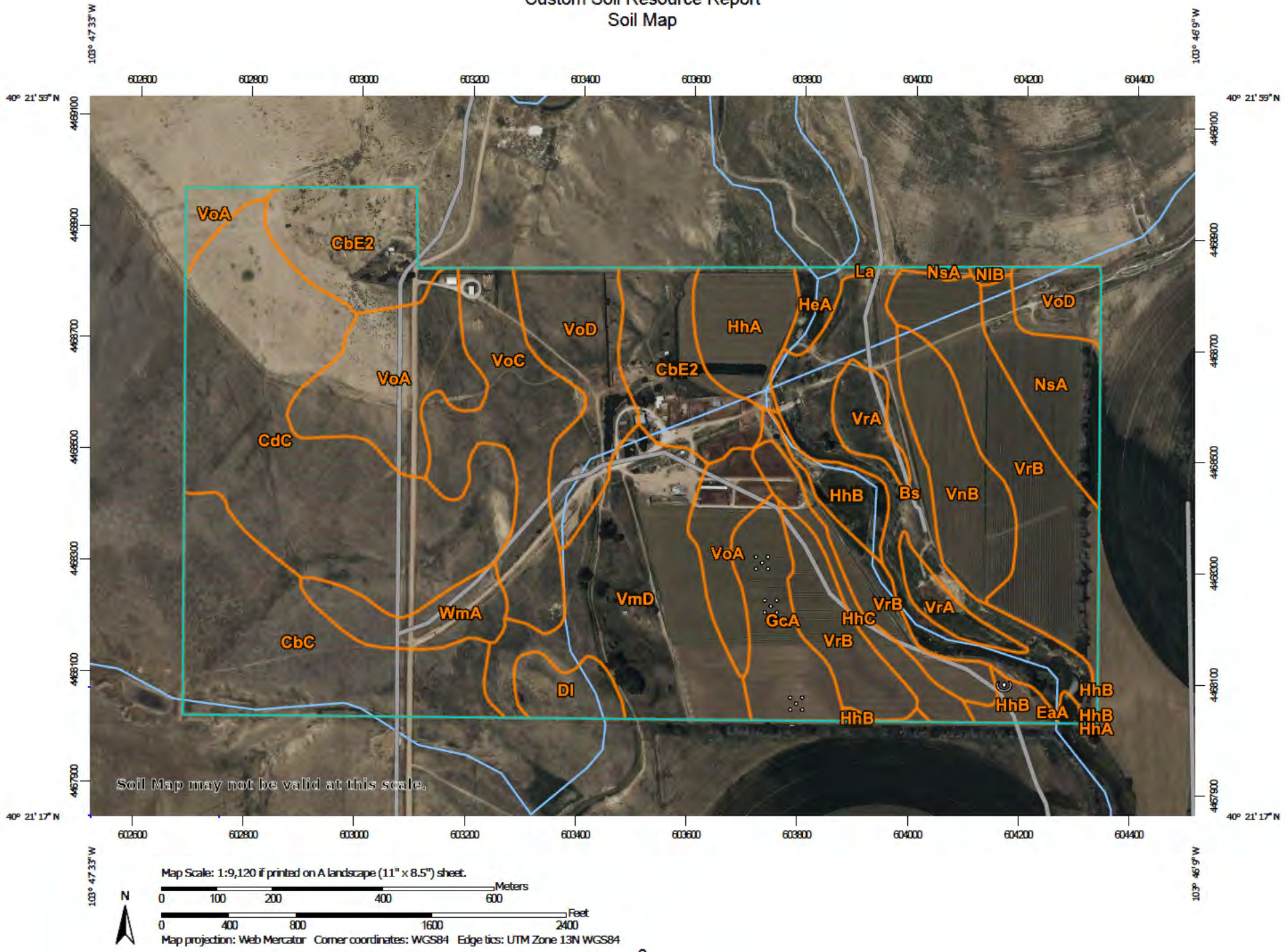
Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



Map Scale: 1:9,120 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 100 200 400 600

Feet: 0 400 800 1600 2400

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 Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morgan County, Colorado
Survey Area Data: Version 25, Aug 29, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 14, 2022—Jun 15, 2022

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.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Bs	Breaks-Alluvial land complex	23.0	6.6%
CbC	Colby loam, 3 to 5 percent slopes	29.8	8.6%
CbE2	Colby loam, 9 to 30 percent slopes, eroded	26.4	7.6%
CdC	Colby sandy loam, 3 to 5 percent slopes	52.2	15.0%
Dl	Dune land	4.6	1.3%
EaA	Ellicott-Ellicott sandy-skeletal complex, 0 to 3 percent slopes, rarely flooded	0.6	0.2%
GcA	Gilcrest loamy sand, 0 to 1 percent slopes	10.9	3.1%
HeA	Haverson loam, 0 to 1 percent slopes	2.6	0.8%
HhA	Haverson sandy loam, 0 to 1 percent slopes	9.2	2.7%
HhB	Haverson sandy loam, 1 to 3 percent slopes	6.8	1.9%
HhC	Haverson sandy loam, 3 to 5 percent slopes	5.6	1.6%
La	Las loam, saline	0.1	0.0%
NlB	Nunn loam, 1 to 3 percent slopes	0.5	0.1%
NsA	Nunn sandy loam, 0 to 1 percent slopes	10.5	3.0%
VmD	Vona-Dwyer loamy sands, 5 to 9 percent slopes	31.4	9.0%
VnB	Vona loamy sand, terrace, 1 to 3 percent slopes	13.0	3.7%
VoA	Vona sandy loam, 1 to 3 percent slopes	26.6	7.7%
VoC	Vona sandy loam, 3 to 5 percent slopes	21.1	6.1%
VoD	Vona fine sandy loam, 5 to 9 percent slopes	20.0	5.7%
VrA	Vona sandy loam, terrace, 0 to 1 percent slopes	7.3	2.1%
VrB	Vona sandy loam, terrace, 1 to 3 percent slopes	38.4	11.0%
WmA	Weld loam, 1 to 3 percent slopes	7.5	2.1%
Totals for Area of Interest		**348.0**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas

shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Morgan County, Colorado

Bs—Breaks-Alluvial land complex

Map Unit Setting

National map unit symbol: 3pw3
Elevation: 3,500 to 6,500 feet
Mean annual precipitation: 12 to 15 inches
Mean annual air temperature: 46 to 55 degrees F
Frost-free period: 120 to 150 days
Farmland classification: Not prime farmland

Map Unit Composition

Alluvial land: 40 percent
Breaks: 30 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Alluvial Land

Setting

Landform: Stream terraces
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Limy loamy alluvium

Typical profile

H1 - 0 to 7 inches: loam
H2 - 7 to 60 inches: stratified loam to clay loam

Properties and qualities

Slope: 5 to 10 percent
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Frequency of flooding: Occasional
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Available water supply, 0 to 60 inches: High (about 10.8 inches)

Interpretive groups

Land capability classification (irrigated): 2w
Land capability classification (nonirrigated): 6w
Hydrologic Soil Group: B
Hydric soil rating: No

Description of Breaks

Setting

Landform: Terraces
Landform position (three-dimensional): Riser
Down-slope shape: Convex
Across-slope shape: Linear

Parent material: Alluvium

Typical profile

H1 - 0 to 4 inches: variable
H2 - 4 to 30 inches: gravelly loam
H3 - 30 to 34 inches: weathered bedrock

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R067BY008CO - Loamy Slopes
Hydric soil rating: No

Minor Components

Haverson

Percent of map unit: 10 percent
Hydric soil rating: No

Colby

Percent of map unit: 8 percent
Hydric soil rating: No

Other soils

Percent of map unit: 6 percent
Hydric soil rating: No

Stoneham

Percent of map unit: 6 percent
Hydric soil rating: No

CbC—Colby loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 3pwj
Elevation: 4,000 to 5,500 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 50 degrees F
Frost-free period: 135 to 155 days
Farmland classification: Not prime farmland

Map Unit Composition

Colby and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Colby

Setting

Down-slope shape: Convex

Across-slope shape: Convex
Parent material: Loamy loess and/or sandy loess and/or nearly uniform silty loess

Typical profile

H1 - 0 to 4 inches: loam
H2 - 4 to 28 inches: silt loam
H3 - 28 to 60 inches: very fine sandy loam

Properties and qualities

Slope: 3 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water supply, 0 to 60 inches: High (about 10.1 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Ecological site: R067BY002CO - Loamy Plains
Hydric soil rating: No

Minor Components

Adena

Percent of map unit: 10 percent
Hydric soil rating: No

CbE2—Colby loam, 9 to 30 percent slopes, eroded

Map Unit Setting

National map unit symbol: 2w5db
Elevation: 4,360 to 4,760 feet
Mean annual precipitation: 14 to 19 inches
Mean annual air temperature: 48 to 54 degrees F
Frost-free period: 144 to 163 days
Farmland classification: Not prime farmland

Map Unit Composition

Colby and similar soils: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Colby

Setting

Landform: Hillslopes
Landform position (two-dimensional): Shoulder, backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Eolian deposits

Typical profile

A - 0 to 2 inches: loam
AC - 2 to 28 inches: silt loam
C - 28 to 79 inches: very fine sandy loam

Properties and qualities

Slope: 9 to 30 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 18 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 9.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: B
Ecological site: R067BY008CO - Loamy Slopes
Hydric soil rating: No

CdC—Colby sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 3pwp
Elevation: 4,000 to 5,500 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 48 to 50 degrees F
Frost-free period: 135 to 155 days
Farmland classification: Not prime farmland

Map Unit Composition

Colby and similar soils: 75 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Colby

Setting

Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Sandy loess and/or loamy loess and/or nearly uniform silty loess

Typical profile

H1 - 0 to 5 inches: sandy loam
H2 - 5 to 28 inches: silt loam
H3 - 28 to 60 inches: very fine sandy loam

Properties and qualities

Slope: 3 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water supply, 0 to 60 inches: High (about 9.8 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: B
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Vona

Percent of map unit: 13 percent
Hydric soil rating: No

Adena

Percent of map unit: 8 percent
Hydric soil rating: No

Other soils

Percent of map unit: 4 percent
Hydric soil rating: No

Dl—Dune land

Map Unit Composition

Dune land: 100 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Dune Land

Setting

Landform: Dunes, hills
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Active sand dunes of eolian sands

Typical profile

H1 - 0 to 3 inches: sand
H2 - 3 to 60 inches: sand

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 8e
Hydrologic Soil Group: A
Ecological site: R067BY022CO - Choppy Sands
Hydric soil rating: No

EaA—Ellicott-Ellicott sandy-skeletal complex, 0 to 3 percent slopes, rarely flooded

Map Unit Setting

National map unit symbol: 2xsth
Elevation: 3,950 to 5,960 feet
Mean annual precipitation: 13 to 17 inches
Mean annual air temperature: 50 to 54 degrees F
Frost-free period: 135 to 165 days

Map Unit Composition

Ellicott, rarely flooded, and similar soils: 65 percent
Ellicott sandy-skeletal, rarely flooded, and similar soils: 25 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Ellicott, Rarely Flooded

Setting

Landform: Drainageways, flood plains on intermittent streams
Down-slope shape: Linear
Across-slope shape: Concave
Parent material: Noncalcareous, stratified sandy alluvium

Typical profile

A - 0 to 4 inches: sand
AC - 4 to 13 inches: sand
C1 - 13 to 30 inches: sand
C2 - 30 to 44 inches: sand
C3 - 44 to 80 inches: coarse sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches

Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High to very high (13.00 to 39.96 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.1 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very low (about 2.1 inches)

Interpretive groups

Land capability classification (irrigated): 4e
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R067BY031CO - Sandy Bottomland
Hydric soil rating: No

Description of Ellicott Sandy-skeletal, Rarely Flooded

Setting

Landform: Channels on drainageways, channels on intermittent streams
Down-slope shape: Linear
Across-slope shape: Concave, linear
Parent material: Noncalcareous, stratified sandy alluvium

Typical profile

A - 0 to 4 inches: very gravelly coarse sand
AC - 4 to 13 inches: very gravelly sand
C1 - 13 to 30 inches: very gravelly sand
C2 - 30 to 44 inches: very gravelly sand
C3 - 44 to 80 inches: very gravelly coarse sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High to very high (13.00 to 39.96 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: Rare
Frequency of ponding: None
Maximum salinity: Nonsaline to very slightly saline (0.1 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Very low (about 1.2 inches)

Interpretive groups

Land capability classification (irrigated): 4s
Land capability classification (nonirrigated): 8s
Hydrologic Soil Group: A
Ecological site: R067BY031CO - Sandy Bottomland
Hydric soil rating: No

Minor Components

Haverson

Percent of map unit: 10 percent
Landform: Terraces

Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R067BY036CO - Overflow
Hydric soil rating: No

GcA—Gilcrest loamy sand, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 3px2
Elevation: 4,500 to 5,500 feet
Mean annual precipitation: 12 to 16 inches
Mean annual air temperature: 46 to 48 degrees F
Frost-free period: 160 to 200 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Gilcrest and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Gilcrest

Setting

Landform: Stream terraces
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Limy strata gravelly alluvium

Typical profile

H1 - 0 to 8 inches: loamy sand
H2 - 8 to 15 inches: gravelly sandy loam
H3 - 15 to 60 inches: very gravelly sand

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat excessively drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (5.95 to 19.98 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 3.6 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A
Ecological site: R067BY015CO - Deep Sand
Hydric soil rating: No

Minor Components

Vona
Percent of map unit: 7 percent
Hydric soil rating: No

Bijou
Percent of map unit: 5 percent
Hydric soil rating: No

Aquic ustipsamment
Percent of map unit: 3 percent
Landform: Swales
Hydric soil rating: Yes

HeA—Haverson loam, 0 to 1 percent slopes

Map Unit Setting
National map unit symbol: 3px8
Elevation: 3,500 to 6,000 feet
Mean annual precipitation: 12 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 180 days
Farmland classification: Farmland of statewide importance

Map Unit Composition
Haverson and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Haverson

Setting
Landform: Distributaries
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Strongly calcareous loamy alluvium

Typical profile
H1 - 0 to 10 inches: loam
H2 - 10 to 60 inches: stratified sand to clay loam

Properties and qualities
Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to moderately saline (0.0 to 8.0 mmhos/cm)
Available water supply, 0 to 60 inches: High (about 9.6 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4c
Hydrologic Soil Group: B
Ecological site: R067BY002CO - Loamy Plains
Hydric soil rating: No

Minor Components

Bijou

Percent of map unit: 8 percent
Hydric soil rating: No

Gilcrest

Percent of map unit: 7 percent
Hydric soil rating: No

HhA—Haverson sandy loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 3pxb
Elevation: 3,500 to 6,000 feet
Mean annual precipitation: 12 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 180 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Haverson and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Haverson

Setting

Landform: Distributaries
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Strongly calcareous loamy alluvium

Typical profile

H1 - 0 to 9 inches: sandy loam
H2 - 9 to 60 inches: stratified sand to clay loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to moderately saline (0.0 to 8.0 mmhos/cm)
Available water supply, 0 to 60 inches: High (about 9.2 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4c
Hydrologic Soil Group: B
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Bijou

Percent of map unit: 6 percent
Hydric soil rating: No

Gilcrest

Percent of map unit: 4 percent
Hydric soil rating: No

HhB—Haverson sandy loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 3pxc
Elevation: 3,500 to 6,000 feet
Mean annual precipitation: 12 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 180 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Haverson and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Haverson

Setting

Landform: Distributaries
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Strongly calcareous loamy alluvium

Typical profile

H1 - 0 to 10 inches: sandy loam
H2 - 10 to 60 inches: stratified sand to clay loam

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to moderately saline (0.0 to 8.0 mmhos/cm)
Available water supply, 0 to 60 inches: High (about 9.2 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4c
Hydrologic Soil Group: B
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Bijou

Percent of map unit: 8 percent
Hydric soil rating: No

Gilcrest

Percent of map unit: 6 percent
Hydric soil rating: No

Ascalon

Percent of map unit: 6 percent
Hydric soil rating: No

HhC—Haverson sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 3pxd
Elevation: 3,500 to 6,000 feet
Mean annual precipitation: 12 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 125 to 180 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Haverson and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Haverson

Setting

Landform: Distributaries
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Strongly calcareous loamy alluvium

Typical profile

H1 - 0 to 9 inches: sandy loam
H2 - 9 to 60 inches: stratified sand to clay loam

Properties and qualities

Slope: 3 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.60 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 1 percent
Maximum salinity: Nonsaline to moderately saline (0.0 to 8.0 mmhos/cm)
Available water supply, 0 to 60 inches: High (about 9.2 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4c
Hydrologic Soil Group: B
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Vona

Percent of map unit: 9 percent
Hydric soil rating: No

Ascalon

Percent of map unit: 6 percent
Hydric soil rating: No

La—Las loam, saline

Map Unit Setting

National map unit symbol: 3pxr
Elevation: 3,000 to 4,000 feet
Mean annual precipitation: 14 to 19 inches
Mean annual air temperature: 50 to 57 degrees F
Frost-free period: 135 to 160 days
Farmland classification: Prime farmland if irrigated and reclaimed of excess salts and sodium

Map Unit Composition

Las and similar soils: 90 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Las

Setting

Landform: Drainageways
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Medium- to moderately fine-textured alluvium

Typical profile

H1 - 0 to 6 inches: loam
H2 - 6 to 60 inches: loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Somewhat poorly drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)
Depth to water table: About 24 to 36 inches
Frequency of flooding: Occasional
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)

Available water supply, 0 to 60 inches: High (about 10.4 inches)

Interpretive groups

Land capability classification (irrigated): 2w
Land capability classification (nonirrigated): 4w
Hydrologic Soil Group: C
Ecological site: R067BY035CO - Salt Meadow
Hydric soil rating: No

Minor Components

Loveland

Percent of map unit: 10 percent
Landform: Flood plains
Hydric soil rating: Yes

NIB—Nunn loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tln2
Elevation: 3,900 to 6,250 feet
Mean annual precipitation: 13 to 16 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 135 to 160 days
Farmland classification: Prime farmland if irrigated

Map Unit Composition

Nunn and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Nunn

Setting

Landform: Terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Pleistocene aged alluvium and/or eolian deposits

Typical profile

Ap - 0 to 6 inches: loam
Bt1 - 6 to 10 inches: clay loam
Bt2 - 10 to 26 inches: clay loam
Btk - 26 to 31 inches: clay loam
Bk1 - 31 to 47 inches: loam
Bk2 - 47 to 80 inches: loam

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches

Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 7 percent
Maximum salinity: Nonsaline (0.1 to 1.0 mmhos/cm)
Sodium adsorption ratio, maximum: 0.5
Available water supply, 0 to 60 inches: High (about 9.2 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: C
Ecological site: R067BY002CO - Loamy Plains
Hydric soil rating: No

Minor Components

Wages

Percent of map unit: 8 percent
Landform: Terraces, alluvial fans
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R067BY002CO - Loamy Plains
Hydric soil rating: No

Fort collins

Percent of map unit: 5 percent
Landform: Terraces
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R067BY002CO - Loamy Plains
Hydric soil rating: No

Haverson, very rarely flooded

Percent of map unit: 2 percent
Landform: Terraces, drainageways, alluvial fans
Landform position (three-dimensional): Tread
Down-slope shape: Linear
Across-slope shape: Linear, concave
Ecological site: R067BY036CO - Overflow
Hydric soil rating: No

NsA—Nunn sandy loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 3py0
Elevation: 4,500 to 6,700 feet
Mean annual precipitation: 12 to 18 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 115 to 180 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Nunn and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Nunn

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Limy alluvium

Typical profile

H1 - 0 to 10 inches: sandy loam
H2 - 10 to 16 inches: clay loam
H3 - 16 to 60 inches: clay loam

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4c
Hydrologic Soil Group: C
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Limon
Percent of map unit: 8 percent
Hydric soil rating: No

Bijou
Percent of map unit: 7 percent
Hydric soil rating: No

Heldt
Percent of map unit: 5 percent
Hydric soil rating: No

VmD—Vona-Dwyer loamy sands, 5 to 9 percent slopes

Map Unit Setting
National map unit symbol: 3pz1
Elevation: 4,370 to 4,700 feet
Mean annual precipitation: 12 to 14 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 140 to 170 days
Farmland classification: Not prime farmland

Map Unit Composition
Vona and similar soils: 56 percent
Dwyer and similar soils: 30 percent
Minor components: 14 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Vona

Setting
Landform: Hills
Landform position (two-dimensional): Backslope
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Coarse-loamy eolian sands

Typical profile
A - 0 to 6 inches: loamy sand
BA - 6 to 12 inches: sandy loam
Bt1 - 12 to 25 inches: sandy loam
Bt2 - 25 to 36 inches: sandy loam
Bk - 36 to 45 inches: sandy loam
C - 45 to 80 inches: loamy sand

Properties and qualities
Slope: 5 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained

Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline (0.0 to 1.0 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 6.0 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Description of Dwyer

Setting

Landform: Hills
Landform position (two-dimensional): Backslope
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Sandy eolian sands

Typical profile

A1 - 0 to 3 inches: loamy sand
A2 - 3 to 7 inches: loamy sand
BC - 7 to 20 inches: loamy sand
C1 - 20 to 49 inches: loamy sand
C2 - 49 to 64 inches: loamy sand

Properties and qualities

Slope: 5 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Excessively drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High to very high (6.00 to 20.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 percent
Maximum salinity: Nonsaline (0.0 to 0.5 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 4.2 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A
Ecological site: R067BY015CO - Deep Sand
Hydric soil rating: No

Minor Components

Manter

Percent of map unit: 7 percent
Landform: Hills
Ecological site: R067BY015CO - Deep Sand
Hydric soil rating: No

Olnest

Percent of map unit: 7 percent
Landform: Plains
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

VnB—Vona loamy sand, terrace, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 3pz3
Elevation: 4,000 to 5,500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 130 to 160 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Vona and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Vona

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loam sandy and/or sand loamy

Typical profile

H1 - 0 to 6 inches: loamy sand
H2 - 6 to 19 inches: sandy loam
H3 - 19 to 60 inches: loamy fine sand

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)

Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.2 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: A
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Fort collins

Percent of map unit: 9 percent
Hydric soil rating: No

Gilcrest

Percent of map unit: 5 percent
Hydric soil rating: No

Mollic fluvaquent

Percent of map unit: 1 percent
Landform: Swales
Hydric soil rating: Yes

VoA—Vona sandy loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 3pz4
Elevation: 4,440 to 4,600 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 135 to 151 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Vona and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Vona

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Convex
Parent material: Loam sandy and/or sand loamy and/or limy eolian deposits

Typical profile

Ap - 0 to 6 inches: sandy loam
Bt - 6 to 21 inches: sandy loam
2Bk1 - 21 to 44 inches: very fine sandy loam
2Bk2 - 44 to 65 inches: fine sandy loam

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water supply, 0 to 60 inches: Moderate (about 8.4 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: A
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Ascalon

Percent of map unit: 8 percent
Hydric soil rating: No

Olnest

Percent of map unit: 7 percent
Hydric soil rating: No

Gilcrest

Percent of map unit: 5 percent
Hydric soil rating: No

VoC—Vona sandy loam, 3 to 5 percent slopes

Map Unit Setting

National map unit symbol: 3pz5
Elevation: 4,420 to 4,560 feet
Mean annual precipitation: 12 to 14 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 140 to 170 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Vona and similar soils: 84 percent
Minor components: 16 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Vona

Setting

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Coarse-loamy eolian sands

Typical profile

A - 0 to 2 inches: sandy loam
Bt1 - 2 to 9 inches: sandy loam
Bt2 - 9 to 21 inches: sandy loam
Bk1 - 21 to 37 inches: sandy loam
Bk2 - 37 to 61 inches: loamy sand
Bk3 - 61 to 80 inches: sandy loam

Properties and qualities

Slope: 3 to 5 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline (0.0 to 0.5 mmhos/cm)
Available water supply, 0 to 60 inches: Low (about 6.0 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: A
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Olnest

Percent of map unit: 13 percent
Landform: Plains
Down-slope shape: Convex
Across-slope shape: Concave
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Ascalon

Percent of map unit: 3 percent
Landform: Plains
Down-slope shape: Convex

Across-slope shape: Concave
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

VoD—Vona fine sandy loam, 5 to 9 percent slopes

Map Unit Setting

National map unit symbol: 3pz6
Elevation: 4,470 to 4,690 feet
Mean annual precipitation: 12 to 14 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 140 to 170 days
Farmland classification: Not prime farmland

Map Unit Composition

Vona and similar soils: 75 percent
Minor components: 25 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Vona

Setting

Landform: Hills
Landform position (two-dimensional): Shoulder
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Coarse-loamy eolian sands

Typical profile

A - 0 to 5 inches: fine sandy loam
Bt1 - 5 to 11 inches: sandy loam
Bt2 - 11 to 18 inches: sandy loam
BC - 18 to 27 inches: sandy loam
C1 - 27 to 49 inches: sandy loam
C2 - 49 to 84 inches: sandy loam

Properties and qualities

Slope: 5 to 9 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 10 percent
Maximum salinity: Nonsaline (0.0 to 0.5 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 6e
Hydrologic Soil Group: A
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Truckton

Percent of map unit: 14 percent
Landform: Hills
Landform position (two-dimensional): Shoulder
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Olnest

Percent of map unit: 11 percent
Landform: Hills
Landform position (two-dimensional): Shoulder
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

VrA—Vona sandy loam, terrace, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 3pz7
Elevation: 4,000 to 5,500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 130 to 160 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Vona and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Vona

Setting

Landform: Stream terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Limy, loam sandy and/or sand loamy

Typical profile

H1 - 0 to 9 inches: sandy loam
H2 - 9 to 21 inches: sandy loam
H3 - 21 to 60 inches: loamy fine sand

Properties and qualities

Slope: 0 to 1 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.5 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: A
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Fort collins

Percent of map unit: 10 percent
Hydric soil rating: No

Gilcrest

Percent of map unit: 5 percent
Hydric soil rating: No

VrB—Vona sandy loam, terrace, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 3pz8
Elevation: 4,000 to 5,500 feet
Mean annual precipitation: 13 to 15 inches
Mean annual air temperature: 48 to 55 degrees F
Frost-free period: 130 to 160 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Vona and similar soils: 85 percent
Minor components: 15 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Vona

Setting

Landform: Terraces
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Loam sandy and/or sand loamy

Typical profile

H1 - 0 to 7 inches: sandy loam
H2 - 7 to 20 inches: sandy loam
H3 - 20 to 60 inches: loamy fine sand

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): High (1.98 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0 mmhos/cm)
Available water supply, 0 to 60 inches: Moderate (about 6.5 inches)

Interpretive groups

Land capability classification (irrigated): 3e
Land capability classification (nonirrigated): 4e
Hydrologic Soil Group: A
Ecological site: R067BY024CO - Sandy Plains
Hydric soil rating: No

Minor Components

Gilcrest

Percent of map unit: 7 percent
Hydric soil rating: No

Truckton

Percent of map unit: 5 percent
Hydric soil rating: No

Fort collins

Percent of map unit: 3 percent
Hydric soil rating: No

WmA—Weld loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2x0hw
Elevation: 3,600 to 5,750 feet
Mean annual precipitation: 12 to 17 inches
Mean annual air temperature: 46 to 54 degrees F
Frost-free period: 115 to 155 days
Farmland classification: Farmland of statewide importance

Map Unit Composition

Weld and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Weld

Setting

Landform: Interfluves
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: Calcareous loess

Typical profile

Ap - 0 to 8 inches: loam
Bt1 - 8 to 12 inches: clay
Bt2 - 12 to 15 inches: clay loam
Btk - 15 to 28 inches: loam
Bk - 28 to 60 inches: silt loam
C - 60 to 80 inches: silt loam

Properties and qualities

Slope: 1 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Medium
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 14 percent
Maximum salinity: Nonsaline to very slightly saline (0.1 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 5.0
Available water supply, 0 to 60 inches: High (about 11.3 inches)

Interpretive groups

Land capability classification (irrigated): 2e

Land capability classification (nonirrigated): 3c
Hydrologic Soil Group: C
Ecological site: R067BY002CO - Loamy Plains
Hydric soil rating: No

Minor Components

Adena

Percent of map unit: 8 percent
Landform: Interfluves
Landform position (two-dimensional): Shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R067BY002CO - Loamy Plains
Hydric soil rating: No

Colby

Percent of map unit: 7 percent
Landform: Hillslopes
Landform position (two-dimensional): Backslope
Landform position (three-dimensional): Side slope
Down-slope shape: Convex
Across-slope shape: Convex
Ecological site: R067BY002CO - Loamy Plains
Hydric soil rating: No

Keith

Percent of map unit: 3 percent
Landform: Interfluves
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Interfluve
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R067BY002CO - Loamy Plains
Hydric soil rating: No

Baca

Percent of map unit: 2 percent
Landform: Interfluves
Landform position (two-dimensional): Summit, shoulder
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex, linear
Across-slope shape: Convex, linear
Ecological site: R067BY002CO - Loamy Plains
Hydric soil rating: No

Soil Information for All Uses

Suitabilities and Limitations for Use

The Suitabilities and Limitations for Use section includes various soil interpretations displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each interpretation.

Building Site Development

Building site development interpretations are designed to be used as tools for evaluating soil suitability and identifying soil limitations for various construction purposes. As part of the interpretation process, the rating applies to each soil in its described condition and does not consider present land use. Example interpretations can include corrosion of concrete and steel, shallow excavations, dwellings with and without basements, small commercial buildings, local roads and streets, and lawns and landscaping.

Small Commercial Buildings

ENG - Engineering

Small commercial buildings are structures that are less than three stories high and do not have basements. The foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. The ratings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility (which is inferred from the Unified classification of the soil). The properties that affect the ease and amount of excavation include flooding, depth to a water table, ponding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use.

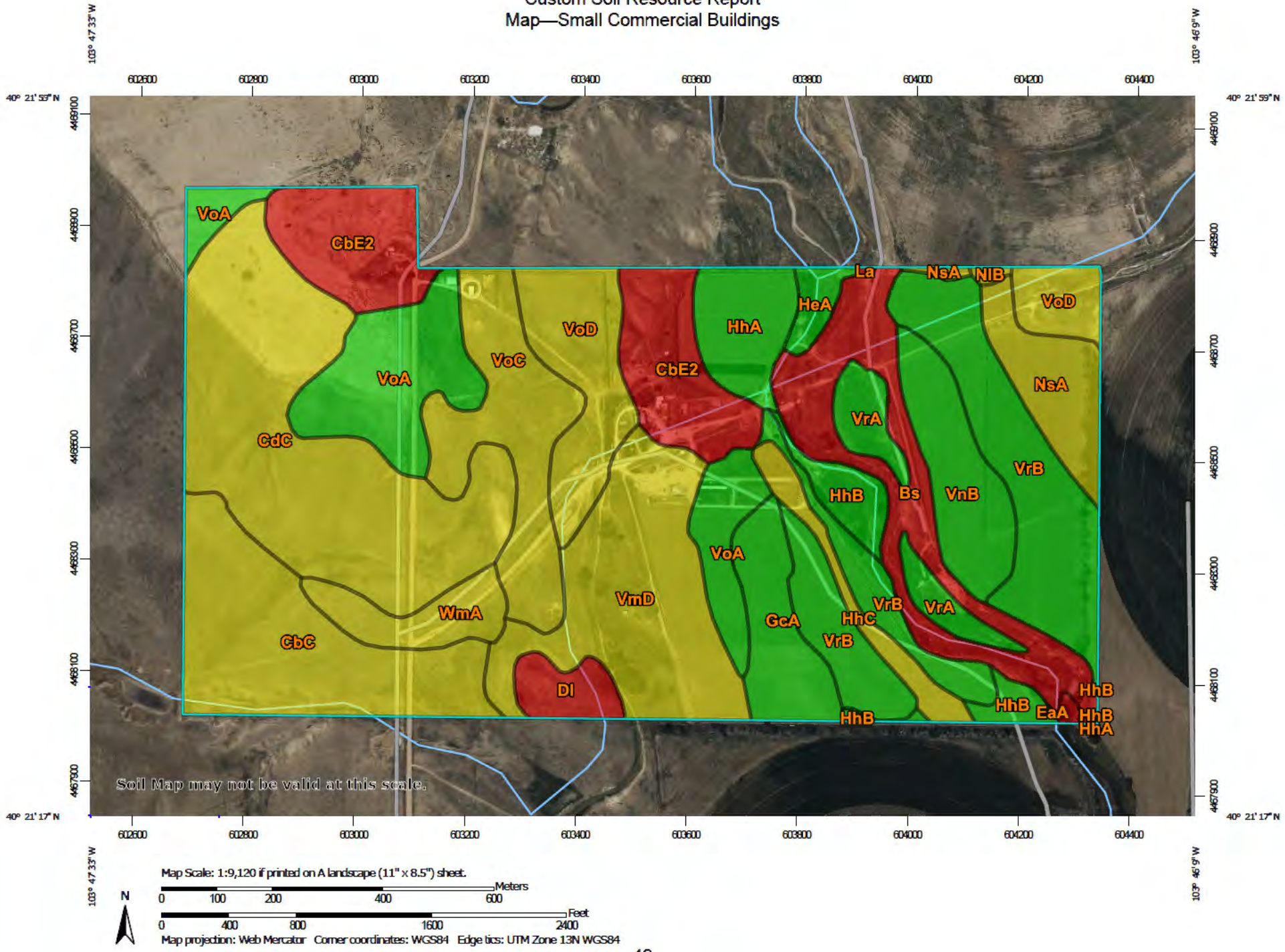
"Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.

Custom Soil Resource Report
Map—Small Commercial Buildings



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Soil Rating Lines
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Soil Rating Points
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morgan County, Colorado
Survey Area Data: Version 25, Aug 29, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 14, 2022—Jun 15, 2022

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.

Tables—Small Commercial Buildings

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
Bs	Breaks-Alluvial land complex	Very limited	Alluvial land (40%)	Flooding (1.00)	23.0	6.6%
				Slope (1.00)		
				Shrink-swell (0.50)		
			Breaks (30%)	Slope (1.00)		
CbC	Colby loam, 3 to 5 percent slopes	Somewhat limited	Colby (90%)	Slope (0.00)	29.8	8.6%
CbE2	Colby loam, 9 to 30 percent slopes, eroded	Very limited	Colby (100%)	Slope (1.00)	26.4	7.6%
CdC	Colby sandy loam, 3 to 5 percent slopes	Somewhat limited	Colby (75%)	Slope (0.00)	52.2	15.0%
Dl	Dune land	Very limited	Dune land (100%)	Slope (1.00)	4.6	1.3%
EaA	Ellicott-Ellicott sandy-skeletal complex, 0 to 3 percent slopes, rarely flooded	Very limited	Ellicott, rarely flooded (65%)	Flooding (1.00)	0.6	0.2%
			Ellicott sandy-skeletal, rarely flooded (25%)	Flooding (1.00)		
GcA	Gilcrest loamy sand, 0 to 1 percent slopes	Not limited	Gilcrest (85%)		10.9	3.1%
HeA	Haverson loam, 0 to 1 percent slopes	Not limited	Haverson (85%)		2.6	0.8%
HhA	Haverson sandy loam, 0 to 1 percent slopes	Not limited	Haverson (90%)		9.2	2.7%
HhB	Haverson sandy loam, 1 to 3 percent slopes	Not limited	Haverson (80%)		6.8	1.9%
HhC	Haverson sandy loam, 3 to 5 percent slopes	Somewhat limited	Haverson (85%)	Slope (0.00)	5.6	1.6%
La	Las loam, saline	Very limited	Las (90%)	Flooding (1.00)	0.1	0.0%
				Shrink-swell (0.50)		
NlB	Nunn loam, 1 to 3 percent slopes	Somewhat limited	Nunn (85%)	Shrink-swell (0.77)	0.5	0.1%
NsA	Nunn sandy loam, 0 to 1 percent slopes	Somewhat limited	Nunn (80%)	Shrink-swell (0.83)	10.5	3.0%

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
VmD	Vona-Dwyer loamy sands, 5 to 9 percent slopes	Somewhat limited	Vona (56%)	Slope (0.88)	31.4	9.0%
			Dwyer (30%)	Slope (0.88)		
VnB	Vona loamy sand, terrace, 1 to 3 percent slopes	Not limited	Vona (85%)		13.0	3.7%
VoA	Vona sandy loam, 1 to 3 percent slopes	Not limited	Vona (80%)		26.6	7.7%
VoC	Vona sandy loam, 3 to 5 percent slopes	Somewhat limited	Vona (84%)	Slope (0.00)	21.1	6.1%
VoD	Vona fine sandy loam, 5 to 9 percent slopes	Somewhat limited	Vona (75%)	Slope (0.88)	20.0	5.7%
VrA	Vona sandy loam, terrace, 0 to 1 percent slopes	Not limited	Vona (85%)		7.3	2.1%
VrB	Vona sandy loam, terrace, 1 to 3 percent slopes	Not limited	Vona (85%)		38.4	11.0%
WmA	Weld loam, 1 to 3 percent slopes	Somewhat limited	Weld (80%)	Shrink-swell (0.00)	7.5	2.1%
			Baca (2%)	Shrink-swell (0.11)		
Totals for Area of Interest					**348.0**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Somewhat limited	178.5	51.3%
Not limited	114.9	33.0%
Very limited	54.6	15.7%
Totals for Area of Interest	**348.0**	**100.0%**

Rating Options—Small Commercial Buildings

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Shallow Excavations

ENG - Engineering

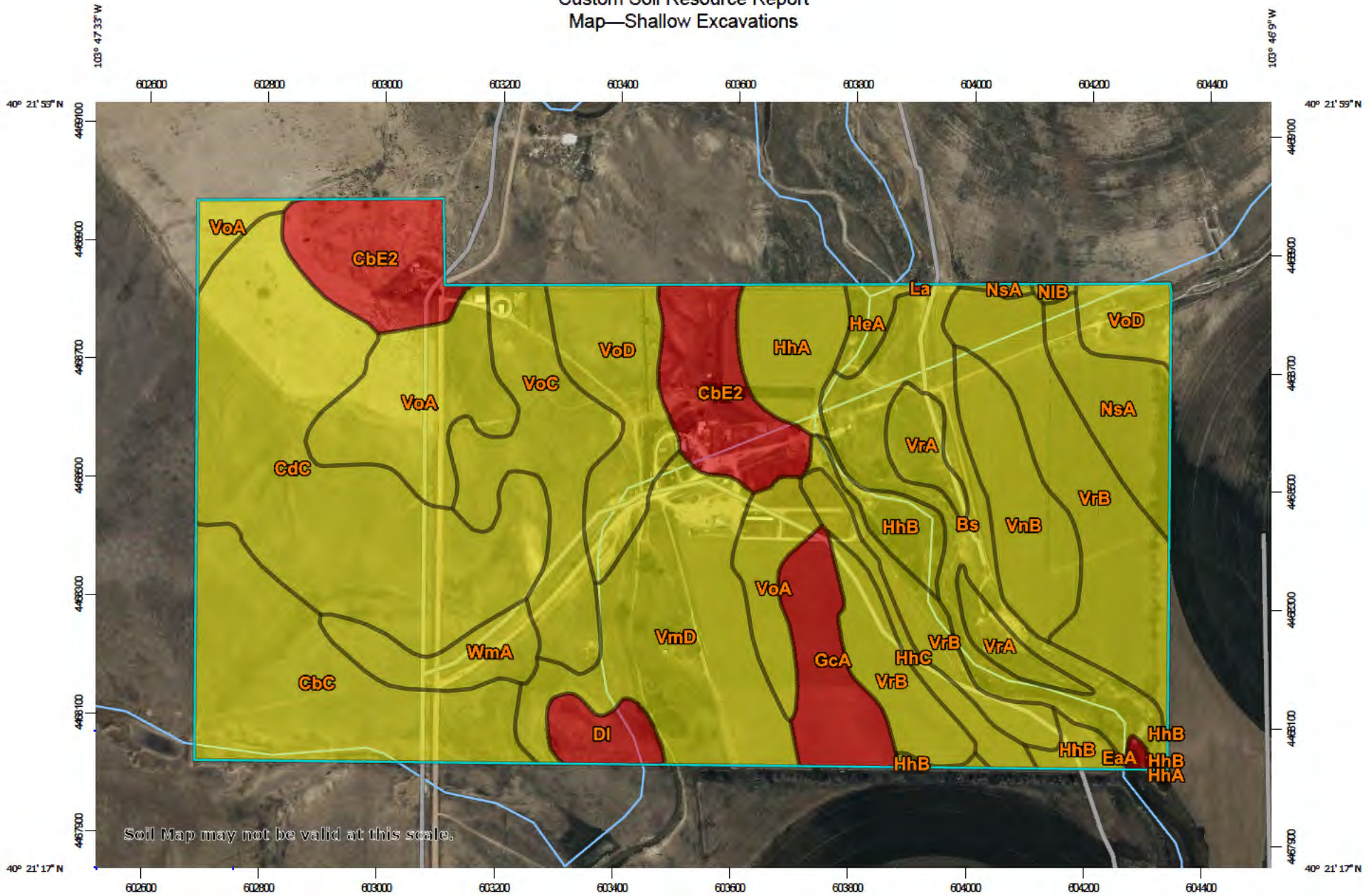
Shallow excavations are trenches or holes dug to a maximum depth of 5 or 6 feet for graves, utility lines, open ditches, or other purposes. The ratings are based on the soil properties that influence the ease of digging and the resistance to sloughing. Depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, the amount of large stones, and dense layers influence the ease of digging, filling, and compacting. Depth to the seasonal high water table, flooding, and ponding may restrict the period when excavations can be made. Slope influences the ease of using machinery. Soil texture, depth to the water table, and linear extensibility (shrink-swell potential) influence the resistance to sloughing.

The ratings are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect the specified use. "Not limited" indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. "Somewhat limited" indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. "Very limited" indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.01 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

The map unit components listed for each map unit in the accompanying Summary by Map Unit table in Web Soil Survey or the Aggregation Report in Soil Data Viewer are determined by the aggregation method chosen. An aggregated rating class is shown for each map unit. The components listed for each map unit are only those that have the same rating class as listed for the map unit. The percent composition of each component in a particular map unit is presented to help the user better understand the percentage of each map unit that has the rating presented.

Other components with different ratings may be present in each map unit. The ratings for all components, regardless of the map unit aggregated rating, can be viewed by generating the equivalent report from the Soil Reports tab in Web Soil Survey or from the Soil Data Mart site. Onsite investigation may be needed to validate these interpretations and to confirm the identity of the soil on a given site.



Map Scale: 1:9,120 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 100 200 400 600

Feet
0 400 800 1600 2400

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
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Soil Rating Lines
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Soil Rating Points
- Very limited
- Somewhat limited
- Not limited
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

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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)

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This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morgan County, Colorado
Survey Area Data: Version 25, Aug 29, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 14, 2022—Jun 15, 2022

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.

Tables—Shallow Excavations

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
Bs	Breaks-Alluvial land complex	Somewhat limited	Alluvial land (40%)	Flooding (0.60)	23.0	6.6%
				Dusty (0.30)		
				Unstable excavation walls (0.01)		
CbC	Colby loam, 3 to 5 percent slopes	Somewhat limited	Colby (90%)	Dusty (0.49)	29.8	8.6%
				Unstable excavation walls (0.01)		
CbE2	Colby loam, 9 to 30 percent slopes, eroded	Very limited	Colby (100%)	Slope (1.00)	26.4	7.6%
				Dusty (0.48)		
				Unstable excavation walls (0.01)		
CdC	Colby sandy loam, 3 to 5 percent slopes	Somewhat limited	Colby (75%)	Dusty (0.45)	52.2	15.0%
				Unstable excavation walls (0.01)		
Dl	Dune land	Very limited	Dune land (100%)	Unstable excavation walls (1.00)	4.6	1.3%
				Slope (1.00)		
EaA	Ellicott-Ellicott sandy-skeletal complex, 0 to 3 percent slopes, rarely flooded	Very limited	Ellicott, rarely flooded (65%)	Unstable excavation walls (1.00)	0.6	0.2%
			Ellicott sandy-skeletal, rarely flooded (25%)	Unstable excavation walls (1.00)		
GcA	Gilcrest loamy sand, 0 to 1 percent slopes	Very limited	Gilcrest (85%)	Unstable excavation walls (1.00)	10.9	3.1%
HeA	Haverson loam, 0 to 1 percent slopes	Somewhat limited	Haverson (85%)	Dusty (0.30)	2.6	0.8%
				Unstable excavation walls (0.01)		
HhA	Haverson sandy loam, 0 to 1 percent slopes	Somewhat limited	Haverson (90%)	Dusty (0.20)	9.2	2.7%
				Unstable excavation walls (0.01)		
HhB	Haverson sandy loam, 1 to 3 percent slopes	Somewhat limited	Haverson (80%)	Dusty (0.19)	6.8	1.9%
				Unstable excavation walls (0.01)		

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
HhC	Haverson sandy loam, 3 to 5 percent slopes	Somewhat limited	Haverson (85%)	Dusty (0.20)	5.6	1.6%
				Unstable excavation walls (0.01)		
La	Las loam, saline	Very limited	Las (90%)	Depth to saturated zone (1.00)	0.1	0.0%
				Flooding (0.60)		
				Dusty (0.31)		
				Unstable excavation walls (0.01)		
NlB	Nunn loam, 1 to 3 percent slopes	Somewhat limited	Nunn (85%)	Dusty (0.33)	0.5	0.1%
				Unstable excavation walls (0.01)		
			Wages (8%)	Dusty (0.26)		
				Unstable excavation walls (0.01)		
			Fort Collins (5%)	Dusty (0.26)		
				Unstable excavation walls (0.01)		
			Haverson, very rarely flooded (2%)	Dusty (0.28)		
				Unstable excavation walls (0.01)		
NsA	Nunn sandy loam, 0 to 1 percent slopes	Somewhat limited	Nunn (80%)	Dusty (0.21)	10.5	3.0%
				Unstable excavation walls (0.01)		
VmD	Vona-Dwyer loamy sands, 5 to 9 percent slopes	Somewhat limited	Vona (56%)	Unstable excavation walls (0.01)	31.4	9.0%
			Dwyer (30%)	Unstable excavation walls (0.95)		
VnB	Vona loamy sand, terrace, 1 to 3 percent slopes	Somewhat limited	Vona (85%)	Unstable excavation walls (0.06)	13.0	3.7%
VoA	Vona sandy loam, 1 to 3 percent slopes	Somewhat limited	Vona (80%)	Dusty (0.03)	26.6	7.7%
				Unstable excavation walls (0.01)		
VoC	Vona sandy loam, 3 to 5 percent slopes	Somewhat limited	Vona (84%)	Dusty (0.07)	21.1	6.1%

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
				Unstable excavation walls (0.01)		
VoD	Vona fine sandy loam, 5 to 9 percent slopes	Somewhat limited	Vona (75%)	Dusty (0.06)	20.0	5.7%
				Unstable excavation walls (0.01)		
VrA	Vona sandy loam, terrace, 0 to 1 percent slopes	Somewhat limited	Vona (85%)	Unstable excavation walls (0.03)	7.3	2.1%
				Dusty (0.02)		
VrB	Vona sandy loam, terrace, 1 to 3 percent slopes	Somewhat limited	Vona (85%)	Unstable excavation walls (0.04)	38.4	11.0%
				Dusty (0.02)		
WmA	Weld loam, 1 to 3 percent slopes	Somewhat limited	Weld (80%)	Dusty (0.33)	7.5	2.1%
				Unstable excavation walls (0.01)		
			Adena (8%)	Dusty (0.30)		
				Unstable excavation walls (0.01)		
			Colby (7%)	Dusty (0.48)		
				Unstable excavation walls (0.01)		
			Keith (3%)	Dusty (0.36)		
				Unstable excavation walls (0.01)		
			Baca (2%)	Dusty (0.35)		
				Unstable excavation walls (0.01)		
Totals for Area of Interest					**348.0**	**100.0%**

Rating	Acres in AOI	Percent of AOI
Somewhat limited	305.6	87.8%
Very limited	42.5	12.2%
Totals for Area of Interest	**348.0**	**100.0%**

Rating Options—Shallow Excavations

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Soil Properties and Qualities

The Soil Properties and Qualities section includes various soil properties and qualities displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each property or quality.

Soil Qualities and Features

Soil qualities are behavior and performance attributes that are not directly measured, but are inferred from observations of dynamic conditions and from soil properties. Example soil qualities include natural drainage, and frost action. Soil features are attributes that are not directly part of the soil. Example soil features include slope and depth to restrictive layer. These features can greatly impact the use and management of the soil.

Hydrologic Soil Group

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.

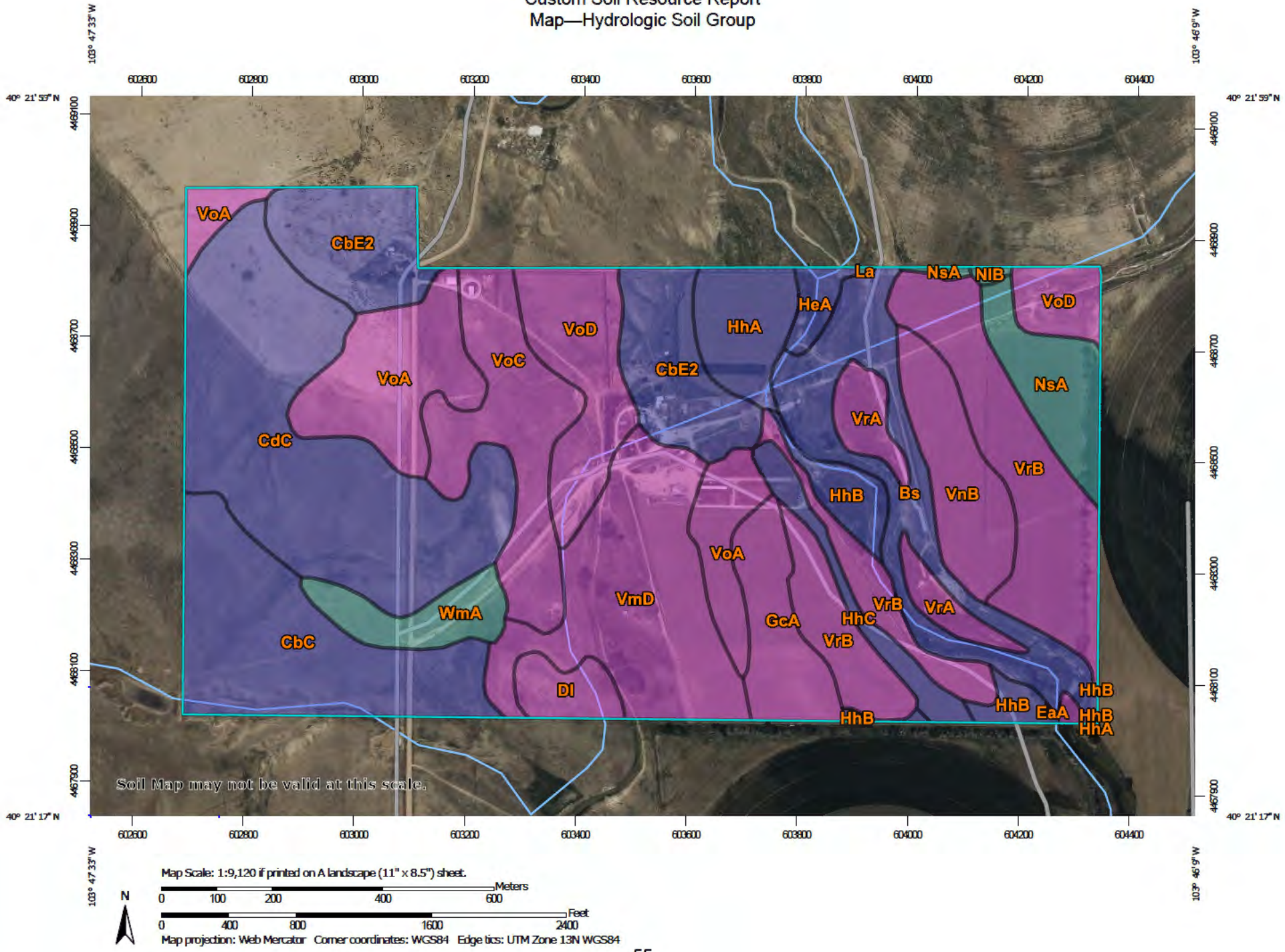
Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

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.

Custom Soil Resource Report
Map—Hydrologic Soil Group



MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils

Soil Rating Polygons
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Lines
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Soil Rating Points
- A
- A/D
- B
- B/D
- C
- C/D
- D
- Not rated or not available

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Morgan County, Colorado
Survey Area Data: Version 25, Aug 29, 2024

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 14, 2022—Jun 15, 2022

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.

Table—Hydrologic Soil Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
Bs	Breaks-Alluvial land complex	B	23.0	6.6%
CbC	Colby loam, 3 to 5 percent slopes	B	29.8	8.6%
CbE2	Colby loam, 9 to 30 percent slopes, eroded	B	26.4	7.6%
CdC	Colby sandy loam, 3 to 5 percent slopes	B	52.2	15.0%
Dl	Dune land	A	4.6	1.3%
EaA	Ellicott-Ellicott sandy-skeletal complex, 0 to 3 percent slopes, rarely flooded	A	0.6	0.2%
GcA	Gilcrest loamy sand, 0 to 1 percent slopes	A	10.9	3.1%
HeA	Haverson loam, 0 to 1 percent slopes	B	2.6	0.8%
HhA	Haverson sandy loam, 0 to 1 percent slopes	B	9.2	2.7%
HhB	Haverson sandy loam, 1 to 3 percent slopes	B	6.8	1.9%
HhC	Haverson sandy loam, 3 to 5 percent slopes	B	5.6	1.6%
La	Las loam, saline	C	0.1	0.0%
NlB	Nunn loam, 1 to 3 percent slopes	C	0.5	0.1%
NsA	Nunn sandy loam, 0 to 1 percent slopes	C	10.5	3.0%
VmD	Vona-Dwyer loamy sands, 5 to 9 percent slopes	A	31.4	9.0%
VnB	Vona loamy sand, terrace, 1 to 3 percent slopes	A	13.0	3.7%
VoA	Vona sandy loam, 1 to 3 percent slopes	A	26.6	7.7%
VoC	Vona sandy loam, 3 to 5 percent slopes	A	21.1	6.1%
VoD	Vona fine sandy loam, 5 to 9 percent slopes	A	20.0	5.7%
VrA	Vona sandy loam, terrace, 0 to 1 percent slopes	A	7.3	2.1%
VrB	Vona sandy loam, terrace, 1 to 3 percent slopes	A	38.4	11.0%

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
WmA	Weld loam, 1 to 3 percent slopes	C	7.5	2.1%
Totals for Area of Interest			**348.0**	**100.0%**

Rating Options—Hydrologic Soil Group

Aggregation Method: Dominant Condition

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Soil Reports

The Soil Reports section includes various formatted tabular and narrative reports (tables) containing data for each selected soil map unit and each component of each unit. No aggregation of data has occurred as is done in reports in the Soil Properties and Qualities and Suitabilities and Limitations sections.

The reports contain soil interpretive information as well as basic soil properties and qualities. A description of each report (table) is included.

Soil Physical Properties

This folder contains a collection of tabular reports that present soil physical properties. The reports (tables) include all selected map units and components for each map unit. Soil physical properties are measured or inferred from direct observations in the field or laboratory. Examples of soil physical properties include percent clay, organic matter, saturated hydraulic conductivity, available water capacity, and bulk density.

Engineering Properties

This table gives the engineering classifications and the range of engineering properties for the layers of each soil in the survey area.

Hydrologic soil group is a group of soils having similar runoff potential under similar storm and cover conditions. The criteria for determining Hydrologic soil group is found in the National Engineering Handbook, Chapter 7 issued May 2007(http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba). Listing HSGs by soil map unit component and not by soil series is a new concept for the engineers. Past engineering references contained lists of HSGs by soil series. Soil series are continually being defined and redefined, and the list of soil series names changes so frequently as to make the task of maintaining a single national list virtually impossible. Therefore, the criteria is now used to calculate the HSG using the component soil properties and no such national series lists will be maintained. All such references are obsolete and their use should be discontinued. Soil properties that influence runoff potential are those that influence the minimum rate of infiltration for a bare soil after prolonged wetting and when not frozen. These properties are depth to a seasonal high water table, saturated hydraulic conductivity after prolonged wetting, and depth to a layer with a very slow water transmission rate. Changes in soil properties caused by land management or climate changes also cause the hydrologic soil group to change. The influence of ground cover is treated independently. There are four hydrologic soil groups, A, B, C, and D, and three dual groups, A/D, B/D, and C/D. In the dual groups, the first letter is for drained areas and the second letter is for undrained areas.

The four hydrologic soil groups are described in the following paragraphs:

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.

Depth to the upper and lower boundaries of each layer is indicated.

Texture is given in the standard terms used by the U.S. Department of Agriculture. These terms are defined according to percentages of sand, silt, and clay in the fraction of the soil that is less than 2 millimeters in diameter. "Loam," for example, is soil that is 7 to 27 percent clay, 28 to 50 percent silt, and less than 52 percent sand. If the content of particles coarser than sand is 15 percent or more, an appropriate modifier is added, for example, "gravelly."

Classification of the soils is determined according to the Unified soil classification system (ASTM, 2005) and the system adopted by the American Association of State Highway and Transportation Officials (AASHTO, 2004).

The Unified system classifies soils according to properties that affect their use as construction material. Soils are classified according to particle-size distribution of the fraction less than 3 inches in diameter and according to plasticity index, liquid limit, and organic matter content. Sandy and gravelly soils are identified as GW, GP, GM, GC, SW, SP, SM, and SC; silty and clayey soils as ML, CL, OL, MH, CH, and OH; and highly organic soils as PT. Soils exhibiting engineering properties of two groups can have a dual classification, for example, CL-ML.

The AASHTO system classifies soils according to those properties that affect roadway construction and maintenance. In this system, the fraction of a mineral soil that is less than 3 inches in diameter is classified in one of seven groups from A-1 through A-7 on the basis of particle-size distribution, liquid limit, and plasticity index. Soils in group A-1 are coarse grained and low in content of fines (silt and clay). At the other extreme, soils in group A-7 are fine grained. Highly organic soils are classified in group A-8 on the basis of visual inspection.

If laboratory data are available, the A-1, A-2, and A-7 groups are further classified as A-1-a, A-1-b, A-2-4, A-2-5, A-2-6, A-2-7, A-7-5, or A-7-6. As an additional refinement, the suitability of a soil as subgrade material can be indicated by a group index number. Group index numbers range from 0 for the best subgrade material to 20 or higher for the poorest.

Percentage of rock fragments larger than 10 inches in diameter and 3 to 10 inches in diameter are indicated as a percentage of the total soil on a dry-weight basis. The percentages are estimates determined mainly by converting volume percentage in the field to weight percentage. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Percentage (of soil particles) passing designated sieves is the percentage of the soil fraction less than 3 inches in diameter based on an ovendry weight. The sieves,

numbers 4, 10, 40, and 200 (USA Standard Series), have openings of 4.76, 2.00, 0.420, and 0.074 millimeters, respectively. Estimates are based on laboratory tests of soils sampled in the survey area and in nearby areas and on estimates made in the field. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Liquid limit and *plasticity index* (Atterberg limits) indicate the plasticity characteristics of a soil. The estimates are based on test data from the survey area or from nearby areas and on field examination. Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

References:

American Association of State Highway and Transportation Officials (AASHTO). 2004. Standard specifications for transportation materials and methods of sampling and testing. 24th edition.

American Society for Testing and Materials (ASTM). 2005. Standard classification of soils for engineering purposes. ASTM Standard D2487-00.

Absence of an entry indicates that the data were not estimated. The asterisk '*' denotes the representative texture; other possible textures follow the dash. The criteria for determining the hydrologic soil group for individual soil components is found in the National Engineering Handbook, Chapter 7 issued May 2007(http://directives.sc.egov.usda.gov/OpenNonWebContent.aspx?content=17757.wba). Three values are provided to identify the expected Low (L), Representative Value (R), and High (H).

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
Bs—Breaks-Alluvial land complex														
Alluvial land	40	B	0-7	Loam	CL-ML, ML	A-4	0- 0- 0	0- 0- 0	100-100-100	95-98-100	70-85-100	60-65-70	20-25-30	NP-5-10
			7-60	Stratified loam to clay loam	CL-ML, CL	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	90-95-100	70-85-100	60-70-80	25-30-35	5-10-15
Breaks	30	D	0-4	Variable	SC-SM, CL, CL-ML, SM	A-4	0- 0- 0	0- 3- 5	80-90-100	75-88-100	70-80-90	35-55-75	15-23-30	NP-5-10
			4-30	Sandy loam, loam, gravelly loam	SC-SM, SM	A-2, A-1, A-4	0- 0- 0	0- 3- 5	70-83-95	65-78-90	40-48-55	20-30-40	20-25-30	NP-5-10
			30-34	Weathered bedrock	—	—	—	—	—	—	—	—	—	—
CbC—Colby loam, 3 to 5 percent slopes														
Colby	90	B	0-4	Loam	CL-ML, CL	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	85-90-95	60-68-75	25-28-30	5-8 -10
			4-28	Silt loam	ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	80-85-90	30-33-35	5-8 -10
			28-60	Very fine sandy loam	CL-ML, ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	85-90-95	50-58-65	20-23-25	NP-3 -5

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
CbE2—Colby loam, 9 to 30 percent slopes, eroded														
Colby	100	B	0-2	Loam	CL-ML, CL	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	94-100-100	73-79-84	24-33-39	7-12-16
			2-28	Silt loam	CL	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-100-100	88-93-96	27-33-37	9-13-16
			28-79	Very fine sandy loam	ML, CL	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	95-100-100	64-69-74	0-23 -29	NP-9 -11
CdC—Colby sandy loam, 3 to 5 percent slopes														
Colby	75	B	0-5	Sandy loam	SC-SM, SC	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	60-65-70	30-35-40	25-28-30	5-8 -10
			5-28	Silt loam	ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	80-85-90	30-33-35	5-8 -10
			28-60	Very fine sandy loam	CL-ML, ML	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	85-90-95	50-58-65	20-23-25	NP-3 -5
Dl—Dune land														
Dune land	100	A	0-3	Sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	50-60-70	0- 8- 15	0-7 -14	NP
			3-60	Sand, fine sand	SP-SM, SM, SP	A-2, A-3	0- 0- 0	0- 0- 0	100-100-100	100-100-100	50-65-80	0-13- 25	0-7 -14	NP

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
EaA—Ellicott-Ellicott sandy-skeletal complex, 0 to 3 percent slopes, rarely flooded														
Ellicott, rarely flooded	65	A	0-4	Sand	SP-SM	A-3	0- 0- 0	0- 0- 0	100-100 -100	92-100-100	70-77-79	7- 9- 11	0-0 -17	NP-0 -1
			4-13	Coarse sand, sand, loamy sand	SP-SM	A-3	0- 0- 0	0- 0- 0	100-100 -100	92-100-100	70-77-79	7- 9- 11	0-0 -17	NP-0 -1
			13-30	Sand, loamy sand, coarse sand	SP-SM	A-3	0- 0- 0	0- 0- 0	100-100 -100	85-100-100	65-77-80	8- 9- 12	0-0 -17	NP-0 -1
			30-44	Coarse sand, loamy sand, sand	SP-SM	A-3	0- 0- 0	0- 0- 0	100-100 -100	85-97-100	65-75-80	8- 9- 12	0-0 -16	NP-0 -1

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
			44-80	Loamy sand, gravelly loamy sand, sand, gravelly sand, gravelly coarse sand, coarse sand	SP-SM	A-1-b	0- 0- 0	0- 0- 0	100-100 -100	66-85-100	29-38-47	5- 7- 11	0-0 -16	NP-0 -1
Ellicott sandy-skeletal, rarely flooded	25	A	0-4	Very gravelly coarse sand	SP	A-1-b	0- 0- 0	6- 6- 6	52-57-62	45-51-57	20-22-26	3- 4- 6	0-0 -17	NP-0 -1
			4-13	Very gravelly coarse sand, very gravelly loamy sand, very gravelly sand	SP-SM	A-1-b	0- 0- 0	6- 6- 6	52-57-62	46-52-58	35-40-46	4- 5- 6	0-0 -17	NP-0 -1
			13-30	Very gravelly loamy sand, very gravelly coarse sand, very gravelly sand	SP-SM	A-1-b	0- 0- 0	6- 6- 6	52-57-62	46-51-57	35-40-46	4- 5- 7	0-0 -17	NP-0 -1
			30-44	Very gravelly coarse sand, very gravelly loamy sand, very gravelly sand	SP-SM	A-1-b	0- 0- 0	6- 6- 6	52-57-62	46-51-57	35-40-46	4- 5- 7	0-0 -16	NP-0 -1
			44-80	Very gravelly sand, very gravelly loamy sand, very gravelly coarse sand	SP	A-1-b	0- 0- 0	6- 6- 6	53-58-63	47-52-58	20-23-27	4- 4- 6	0-0 -16	NP-0 -1

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
GcA—Gilcrest loamy sand, 0 to 1 percent slopes														
Gilcrest	85	A	0-8	Loamy sand	SM	A-2	0- 0- 0	0- 0- 0	95-98-100	90-95-100	50-60-70	15-23-30	—	NP
			8-15	Gravelly sandy loam	SC-SM, SM	A-2, A-1	—	0- 3- 5	70-80-90	50-63-75	30-40-50	15-25-35	15-18-20	NP-3 -5
			15-60	Very gravelly sand, very gravelly loamy sand	GP-GM, SP-SM, GP, SM	A-1	—	0- 3- 5	35-60-85	25-38-50	15-23-30	0- 8- 15	—	NP
HeA—Haverson loam, 0 to 1 percent slopes														
Haverson	85	B	0-10	Loam	CL-ML, CL	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	85-90-95	60-68-75	25-28-30	5-8 -10
			10-60	Stratified sand to clay loam	SC-SM, CL-ML, CL, SC	A-4, A-6	0- 0- 0	0- 0- 0	95-98-100	75-88-100	65-78-90	45-53-60	25-30-35	5-10-15
HhA—Haverson sandy loam, 0 to 1 percent slopes														
Haverson	90	B	0-9	Sandy loam	SC-SM, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	60-65-70	30-35-40	20-23-25	NP-3 -5
			9-60	Stratified sand to clay loam	SC-SM, CL-ML, CL, SC	A-4, A-6	0- 0- 0	0- 0- 0	95-98-100	75-88-100	65-78-90	45-53-60	25-30-35	5-10-15

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
HhB—Haverson sandy loam, 1 to 3 percent slopes														
Haverson	80	B	0-10	Sandy loam	SC-SM, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	60-65-70	30-35-40	20-23-25	NP-3 -5
			10-60	Stratified sand to clay loam	SC-SM, CL, CL-ML, SC	A-4, A-6	0- 0- 0	0- 0- 0	95-98-100	75-88-100	65-78-90	45-53-60	25-30-35	5-10-15
HhC—Haverson sandy loam, 3 to 5 percent slopes														
Haverson	85	B	0-9	Sandy loam	SC-SM, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	60-65-70	30-35-40	20-23-25	NP-3 -5
			9-60	Stratified sand to clay loam	SC-SM, CL, CL-ML, SC	A-4, A-6	0- 0- 0	0- 0- 0	95-98-100	75-88-100	65-78-90	45-53-60	25-30-35	5-10-15
La—Las loam, saline														
Las	90	C	0-6	Loam	CL, CL-ML	A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	50-68-85	20-30-40	5-13-20
			6-60	Clay loam, loam, sandy loam	CL, CL-ML	A-7, A-4, A-6	0- 0- 0	0- 0- 0	100-100-100	95-98-100	95-98-100	50-68-85	22-34-45	5-15-25

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
NlB—Nunn loam, 1 to 3 percent slopes														
Nunn	85	C	0-6	Loam	CL	A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	93-96-100	62-68-73	28-32-36	10-12-15
			6-10	Clay, clay loam	CH	A-7-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	69-76-83	47-51-59	24-27-33
			10-26	Clay loam, clay	CH	A-7-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-95-100	69-76-83	47-51-59	24-27-33
			26-31	Clay loam, loam, sandy clay loam	CL	A-7-6, A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	87-94-100	58-68-74	30-42-47	12-22-25
			31-47	Sandy clay loam, loam, clay loam	CL	A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	88-96-100	55-65-80	29-31-41	12-14-20
			47-80	Sandy loam, sandy clay loam, loam	CL	A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	87-96-100	51-64-72	25-34-38	9-16-18
NsA—Nunn sandy loam, 0 to 1 percent slopes														
Nunn	80	C	0-10	Sandy loam	SC-SM, SC	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	60-65-70	30-35-40	25-28-30	5-8 -10
			10-16	Clay loam, clay	CL, CH	A-7	0- 0- 0	0- 3- 5	95-98-100	90-95-100	85-90-95	65-70-75	40-50-60	25-33-40
			16-60	Clay loam, loam, gravelly sandy clay	CL, SC	A-6	0- 0- 0	0- 3- 5	80-90-100	60-80-100	60-75-90	35-55-75	30-35-40	15-20-25

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
VmD—Vona-Dwyer loamy sands, 5 to 9 percent slopes														
Vona	56	A	0-6	Loamy sand	SM	A-2-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	50-63- 75	15-23- 30	0-21 -24	NP
			6-12	Sandy loam	SC-SM, SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65- 70	30-35- 40	20-23 -25	NP-3 -5
			12-25	Sandy loam	SC-SM, SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65- 70	30-35- 40	20-23 -25	NP-3 -5
			25-36	Sandy loam	SC-SM, SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65- 70	30-35- 40	20-23 -25	NP-3 -5
			36-45	Sandy loam	SC-SM, SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65- 70	30-35- 40	20-23 -25	NP-3 -5
			45-80	Loamy sand	SM	A-2-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	50-63- 75	15-23- 30	—	NP
Dwyer	30	A	0-3	Loamy sand	SM	A-2-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	50-63- 75	15-23- 30	0-21 -22	NP-2 -2
			3-7	Loamy sand	SM	A-2-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	50-63- 75	15-23- 30	0-19 -22	NP-1 -2
			7-20	Loamy sand	SM	A-2-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	50-63- 75	15-23- 30	0-18 -20	NP-2 -2
			20-49	Loamy sand, sand	SM	A-2-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	50-63- 75	15-23- 30	0-16 -19	NP-1 -2
			49-64	Loamy sand, sand	SM	A-2-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	50-66- 75	15-23- 30	0-16 -19	NP-1 -2

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
VnB—Vona loamy sand, terrace, 1 to 3 percent slopes														
Vona	85	A	0-6	Loamy sand	SM	A-2	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	50-63- 75	15-23- 30	—	NP
			6-19	Fine sandy loam, sandy loam	SC-SM, SC, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100 -100	90-95-1 00	60-75- 90	30-38- 45	20-25 -30	NP-5 -10
			19-60	Sandy loam, loamy sand, loamy fine sand	SC-SM, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100 -100	90-95-1 00	50-68- 85	15-28- 40	20-23 -25	NP-3 -5
VoA—Vona sandy loam, 1 to 3 percent slopes														
Vona	80	A	0-6	Sandy loam	SC-SM, SC	A-2, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65- 70	30-35- 40	20-23 -25	5-8 -10
			6-21	Fine sandy loam, sandy loam	SC-SM, SC	A-2, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65- 70	30-35- 40	20-25 -30	5-8 -10
			21-44	Very fine sandy loam	CL-ML, CL	A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	85-90- 95	50-58- 65	25-28 -30	5-8 -10
			44-65	Fine sandy loam, sandy loam	SC-SM, SC	A-2, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-75- 90	30-38- 45	20-25 -30	5-5 -10

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
VoC—Vona sandy loam, 3 to 5 percent slopes														
Vona	84	A	0-2	Sandy loam	SC-SM, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65-70	30-35-40	17-24 -26	2-4 -6
			2-9	Sandy loam	SC-SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65-70	30-35-40	20-26 -28	4-9 -10
			9-21	Sandy loam	SC-SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65-70	30-35-40	20-28 -30	4-10-11
			21-37	Sandy loam	SC-SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65-70	30-35-40	18-24 -29	4-8 -11
			37-61	Loamy sand	SM	A-2-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	50-63-75	15-23-30	0-16 -20	NP-1 -4
			61-80	Sandy loam	SC-SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65-70	30-35-40	18-22 -27	4-7 -10
VoD—Vona fine sandy loam, 5 to 9 percent slopes														
Vona	75	A	0-5	Fine sandy loam	SC-SM, CL-ML, ML, SM	A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	70-78-85	40-45-50	20-23 -25	NP-3 -5
			5-11	Sandy loam	SC-SM, SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65-70	30-35-40	20-23 -25	NP-3 -5
			11-18	Sandy loam	SC-SM, SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65-70	30-35-40	20-23 -25	NP-3 -5
			18-27	Sandy loam	SC-SM, SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65-70	30-35-40	20-23 -25	NP-3 -5
			27-49	Sandy loam	SC-SM, SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65-70	30-35-40	20-23 -25	NP-3 -5
			49-84	Sandy loam	SC-SM, SM	A-2-4, A-4	0- 0- 0	0- 0- 0	100-100 -100	100-100 -100	60-65-70	30-35-40	20-23 -25	NP-3 -5

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
VrA—Vona sandy loam, terrace, 0 to 1 percent slopes														
Vona	85	A	0-9	Sandy loam	SC-SM, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	60-65-70	30-35-40	20-23-25	NP-3 -5
			9-21	Fine sandy loam, sandy loam	SC-SM, SC, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	90-95-100	60-75-90	30-38-45	20-25-30	NP-5 -10
			21-60	Sandy loam, loamy sand, loamy fine sand	SC-SM, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	90-95-100	50-68-85	15-28-40	20-23-25	NP-3 -5
VrB—Vona sandy loam, terrace, 1 to 3 percent slopes														
Vona	85	A	0-7	Sandy loam	SC-SM, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	60-65-70	30-35-40	20-23-25	NP-3 -5
			7-20	Fine sandy loam, sandy loam	SC-SM, SC, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	90-95-100	60-75-90	30-38-45	20-25-30	NP-5 -10
			20-60	Sandy loam, loamy sand, loamy fine sand	SC-SM, SM	A-2, A-4	0- 0- 0	0- 0- 0	100-100-100	90-95-100	50-68-85	15-28-40	20-23-25	NP-3 -5

Engineering Properties–Morgan County, Colorado														
Map unit symbol and soil name	Pct. of map unit	Hydrologic group	Depth	USDA texture	Classification		Pct Fragments		Percentage passing sieve number—				Liquid limit	Plasticity index
					Unified	AASHTO	>10 inches	3-10 inches	4	10	40	200		
			In				*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*	*L-R-H*
WmA—Weld loam, 1 to 3 percent slopes														
Weld	80	C	0-8	Loam	CL	A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	91-98-100	67-78-82	34-37-44	13-14-18
			8-12	Silty clay loam, clay, silty clay, clay loam	CH	A-7-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-97-100	73-84-94	49-55-66	26-30-36
			12-15	Silty clay, clay loam, clay, silty clay loam	CH	A-7-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	90-97-100	71-82-92	46-50-63	23-26-36
			15-28	Loam, clay loam, silty clay loam	CL	A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	91-98-100	68-79-90	32-36-45	13-16-23
			28-60	Silt loam, loam	CL	A-6	0- 0- 0	0- 0- 0	100-100-100	100-100-100	91-99-100	75-87-95	23-31-36	5-12-17
			60-80	Silt loam, fine sandy loam, loam	CL	A-4	0- 0- 0	0- 0- 0	100-100-100	100-100-100	89-99-100	70-86-96	21-28-34	4-10-16

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National Flood Hazard Layer FIRMette

FEMA

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/27/2024 at 11:36 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

RECTANGULAR WASTE STORAGE POND DESIGN COMPUTATIONS

Project Name: CK2 PHASE I SE
Location: FORT MORGAN, CO

Computed By: T E H
Date: 2/10/2025

Checked By:
Date:

Climate Station: Fort Morgan, ave. year

BASIC DATA			POND DESIGN VOLUME		RECTANGULAR STORAGE POND DESIGN DIMENSIONS			
Solids & Slurry Inflow :	0 cu. ft. /day				**VOLUMES OVERWRITTEN WITH ACTUAL FROM PLANNED**			
Other Liquid Waste Inflow:	0 gal. /day		Max Working Storage:	5.67 Acre-ft				
Contributing Roof Area:	0 sq. ft.		Design Storm Runoff:	10.65 Acre-ft				
Contributing Paved Lot Area:	0 sq. ft., CN =	49	Design Requirement:	16.32 Acre-ft	Freeboard:	0.0 ft.	Design Surface Area:	91,903 sq. ft.
Contributing Earth Lot Area:	52.0 Acres, CN =	90			Inside Slope:	4 H:1V	Available Storage Volume:	16.4 Acre-ft
25yr-24hr Precipitation Depth:	3.34 inches		Available Storage:	101% of design	Evaporation Area:	43,763 sq.ft.	Freeboard Volume:	4.0 Acre-ft
10yr-10day Precipitation Depth:	4.22 inches		Storage Safety Factor:	1.2	Seepage Rate:	0.000 inches/day	Total Volume:	20.4 Acre-ft
Annual FWS Evaporation:	48 inches		(w/ freeboard)		Seepage Area:	1280 sq.ft.		

AVERAGE ANNUAL MASS BALANCE FOR ESTIMATING MAXIMUM WORKING STORAGE REQUIREMENTS

	MONTHLY POND INFLOW											MONTHLY POND OUTFLOW					WORKING STORAGE	
	Monthly Contribution to Working Storage from Precipitation								Waste Inflow		Total	Surface		Seepage	Planned	Total	Monthly	Accumulated
	Precip.	Earth Lot Runoff		Paved Lot Runoff		Roof Runoff		On Pond	Solids	Liquids	Inflow	Evaporation		Loss	Drawdown	Outflow	In - Out	Storage
Month	(inches)	(inches)	(Acre-ft)	(inches)	(Acre-ft)	(inches)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(inches)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)
Jan.	0.23	0.05	0.22	0.60	0.0000	0.09	0.0000	0.0404	0.0000	2.3976	2.66	1.44	0.1206	0.0000	0.00	0.12	2.54	5.00
Feb.	0.17	0.07	0.31	0.63	0.0000	0.05	0.0000	0.0299	0.0000	2.1656	2.50	1.68	0.1407	0.0000	2.00	2.14	0.36	5.36
Mar.	0.71	0.00	0.02	0.38	0.0000	0.51	0.0000	0.1248	0.0000	0.3867	0.53	2.64	0.2210	0.0000	0.00	0.22	0.31	5.67
Apr.	1.20	0.10	0.44	0.22	0.0000	0.99	0.0000	0.2110	0.0000	0.0000	0.65	4.32	0.3617	0.0000	4.00	4.36	-3.71	1.96
May	2.63	0.83	3.58	0.00	0.0000	2.40	0.0000	0.4624	0.0000	0.0000	4.04	5.76	0.4822	0.0000	0.00	0.48	3.56	5.52
June	2.15	0.53	2.31	0.04	0.0000	1.92	0.0000	0.3780	0.0000	0.0000	2.69	6.96	0.5827	0.0000	7.00	7.58	-4.89	0.63
July	1.80	0.35	1.50	0.09	0.0000	1.58	0.0000	0.3165	0.0000	0.0000	1.82	7.20	0.6028	0.0000	0.00	0.60	1.22	1.84
Aug.	1.49	0.21	0.90	0.15	0.0000	1.27	0.0000	0.2620	0.0000	0.0000	1.16	6.48	0.5425	0.0000	0.00	0.54	0.61	2.46
Sep.	1.13	0.08	0.35	0.24	0.0000	0.92	0.0000	0.1987	0.0000	0.0000	0.55	4.80	0.4019	0.0000	2.50	2.90	-2.35	0.11
Oct.	0.66	0.00	0.01	0.40	0.0000	0.47	0.0000	0.1160	0.0000	0.0000	0.12	3.36	0.2813	0.0000	0.00	0.28	-0.16	0.00
Nov.	0.38	0.02	0.07	0.52	0.0000	0.21	0.0000	0.0668	0.0000	0.3867	0.53	1.92	0.1607	0.0000	0.00	0.16	0.37	0.37
Dec.	0.27	0.04	0.17	0.58	0.0000	0.12	0.0000	0.0475	0.0000	2.0109	2.23	1.44	0.1206	0.0000	0.00	0.12	2.11	2.48
Totals:	12.82	2.28	9.88	3.86	0.00	10.53	0.00	2.25	0.00	7.35	19.48	48.00	4.02	0.00	15.50	19.52		

RAINFALL AND RUNOFF ESTIMATION FOR WASTE STORAGE POND DESIGN

	Earth Areas	Paved Areas	Roofed Areas	Pond Surface
	25yr-24hr Storm Event			
1 day Curve Numbers:	90	49	100	100 %
25yr-24hr Rainfall:	3.34 inches	3.34 inches	3.34 inches	3.34 inches
25yr-24hr Runoff:	2.30 inches	0.14 inches	3.34 inches	3.34 inches
Runoff Volume:	9.96 Acre-ft	0.00 Acre-ft	0.00 Acre-ft	0.59 Acre-ft
	Total 24hr-25yr Event Runoff Volume:			**10.55 Acre-ft**
	Chronic Storm (10 day event)			
10 day Curve Numbers:	81	41	100	100 %
10yr-10day Rainfall:	4.2 inches	4.2 inches	4.2 inches	4.22 inches
10yr-10day Runoff:	2.29 inches	0.11 inches	4.22 inches	4.22 inches
Runoff Volume:	9.90 Acre-ft	0.00 Acre-ft	0.00 Acre-ft	0.74 Acre-ft
	Total 10yr-10day Event Runoff Volume:			**10.65 Acre-ft**
	Average Monthly Runoff Contribution to Working Storage			
30 day Curve Numbers:	77	41	98	100 %
Monthly Runoff:	(see computations in monthly mass balance table above)			
Average Annual Rainfall:	12.8 inches	12.8 inches	12.8 inches	12.8 inches
Average Annual Runoff:	2.28 inches	3.86 inches	10.53 inches	12.82 inches
Runoff as % of Rainfall:	18%	30%	82%	100.0%

RECTANGULAR WASTE STORAGE POND DESIGN COMPUTATIONS

Project Name: CK2 PHASE II MIDDLE
Location: FORT MORGAN, CO
Computed By: T E H
Date: 2/10/2025
Checked By:
Date:
Climate Station: Fort Morgan, ave. year

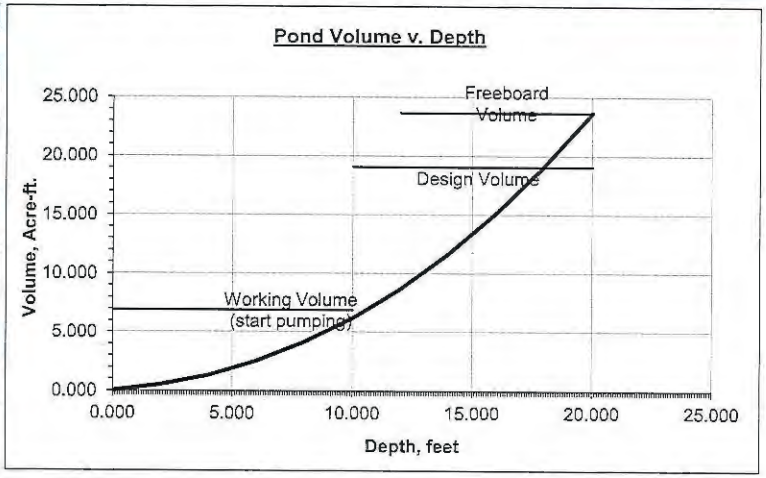
BASIC DATA			POND DESIGN VOLUME		RECTANGULAR STORAGE POND DESIGN DIMENSIONS			
Solids & Slurry Inflow :	0 cu. ft. /day		Max Working Storage:	6.92 Acre-ft	Bottom Width:	15 ft.	Inside Top Width:	175 ft.
Other Liquid Waste Inflow:	0 gal. /day		Design Storm Runoff:	12.13 Acre-ft	Bottom Length:	440 ft.	Inside Top Length:	600 ft.
Contributing Roof Area:	0 sq. ft.		Design Requirement:	19.05 Acre-ft	Design Depth:	18.0 ft.	Total Depth:	20 ft.
Contributing Paved Lot Area:	0 sq. ft., CN =	97			Freeboard:	2.0 ft.	Design Surface Area:	105,000 sq. ft.
Contributing Earth Lot Area:	59 Acres, CN =	90			Inside Slope:	4 H:1V	Available Storage Volume:	19.12 Acre-ft
25yr-24hr Precipitation Depth:	3.34 inches		Available Storage:	100% of design	Evaporation Area:	6,600 sq.ft.	Freeboard Volume:	4.54 Acre-ft
10yr-10day Precipitation Depth:	4.22 inches		Storage Safety Factor:	1.2	Seepage Rate:	0.000 inches/day	Total Volume:	23.66 Acre-ft
Annual FWS Evaporation:	48 inches		(w/ freeboard)		Seepage Area:	14934 sq.ft.		

AVERAGE ANNUAL MASS BALANCE FOR ESTIMATING MAXIMUM WORKING STORAGE REQUIREMENTS

	MONTHLY POND INFLOW											MONTHLY POND OUTFLOW					WORKING STORAGE	
	Monthly Contribution to Working Storage from Precipitation								Waste Inflow		Total	Surface Evaporation		Seepage	Planned	Total	Monthly	Accumulated
	Precip.	Earth Lot Runoff		Paved Lot Runoff		Roof Runoff		On Pond	Solids	Liquids	Inflow			Loss	Drawdown	Outflow	In - Out	Storage
Month	(inches)	(inches)	(Acre-ft)	(inches)	(Acre-ft)	(inches)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(inches)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)
Jan.	0.23	0.05	0.25	0.01	0.0000	0.09	0.0000	0.0462	0.0000	1.5756	1.87	1.44	0.0182	0.0000	0.00	0.02	1.86	4.75
Feb.	0.17	0.07	0.35	0.00	0.0000	0.05	0.0000	0.0341	0.0000	1.4231	1.81	1.68	0.0212	0.0000	0.00	0.02	1.79	6.54
Mar.	0.71	0.00	0.02	0.23	0.0000	0.51	0.0000	0.1426	0.0000	0.2541	0.42	2.64	0.0333	0.0000	0.00	0.03	0.38	6.92
Apr.	1.20	0.10	0.50	0.59	0.0000	0.99	0.0000	0.2410	0.0000	0.0000	0.74	4.32	0.0545	0.0000	1.00	1.05	-0.31	6.61
May	2.63	0.83	4.08	1.88	0.0000	2.40	0.0000	0.5263	0.0000	0.0000	4.61	5.76	0.0727	0.0000	5.00	5.07	-0.47	6.14
June	2.15	0.53	2.63	1.43	0.0000	1.92	0.0000	0.4319	0.0000	0.0000	3.06	6.96	0.0879	0.0000	5.00	5.09	-2.02	4.12
July	1.80	0.35	1.71	1.11	0.0000	1.58	0.0000	0.3616	0.0000	0.0000	2.07	7.20	0.0909	0.0000	5.00	5.09	-3.02	1.10
Aug.	1.49	0.21	1.02	0.84	0.0000	1.27	0.0000	0.2993	0.0000	0.0000	1.32	6.48	0.0818	0.0000	0.00	0.08	1.24	2.34
Sep.	1.13	0.08	0.40	0.54	0.0000	0.92	0.0000	0.2270	0.0000	0.0000	0.63	4.80	0.0606	0.0000	2.10	2.16	-1.53	0.81
Oct.	0.66	0.00	0.01	0.20	0.0000	0.47	0.0000	0.1326	0.0000	0.0000	0.14	3.36	0.0424	0.0000	0.00	0.04	0.10	0.91
Nov.	0.38	0.02	0.08	0.05	0.0000	0.21	0.0000	0.0763	0.0000	0.2541	0.41	1.92	0.0242	0.0000	0.00	0.02	0.39	1.30
Dec.	0.27	0.04	0.20	0.01	0.0000	0.12	0.0000	0.0542	0.0000	1.3214	1.57	1.44	0.0182	0.0000	0.00	0.02	1.55	2.85
Totals:	12.82	2.28	11.26	6.87	0.00	10.53	0.00	2.58	0.00	4.83	18.66	48.00	0.61	0.00	18.10	18.71		

RAINFALL AND RUNOFF ESTIMATION FOR WASTE STORAGE POND DESIGN

	Earth Areas	Paved Areas	Roofed Areas	Pond Surface
	25yr-24hr Storm Event			
1 day Curve Numbers:	90	97	100	100 %
25yr-24hr Rainfall:	3.34 inches	3.34 inches	3.34 inches	3.34 inches
25yr-24hr Runoff:	2.30 inches	3.00 inches	3.34 inches	3.34 inches
Runoff Volume:	11.35 Acre-ft	0.00 Acre-ft	0.00 Acre-ft	0.67 Acre-ft
	Total 24hr-25yr Event Runoff Volume:			12.02 Acre-ft
	Chronic Storm (10 day event)			
10 day Curve Numbers:	81	94	100	100 %
10yr-10day Rainfall:	4.2 inches	4.2 inches	4.2 inches	4.22 inches
10yr-10day Runoff:	2.29 inches	3.55 inches	4.22 inches	4.22 inches
Runoff Volume:	11.29 Acre-ft	0.00 Acre-ft	0.00 Acre-ft	0.85 Acre-ft
	Total 10yr-10day Event Runoff Volume:			12.13 Acre-ft
	Average Monthly Runoff Contribution to Working Storage			
30 day Curve Numbers:	77	93	98	100 %
Monthly Runoff:	(see computations in monthly mass balance table above)			
Average Annual Rainfall:	12.8 inches	12.8 inches	12.8 inches	12.8 inches
Average Annual Runoff:	2.28 inches	6.87 inches	10.53 inches	12.82 inches
Runoff as % of Rainfall:	18%	54%	82%	100.0%



RECTANGULAR WASTE STORAGE POND DESIGN COMPUTATIONS

Project Name: CK2 PHASE III WEST
Location: FORT MORGAN, CO

Computed By: T E H
Date: 2/10/2025

Checked By:
Date:

Climate Station: Fort Morgan, ave. year

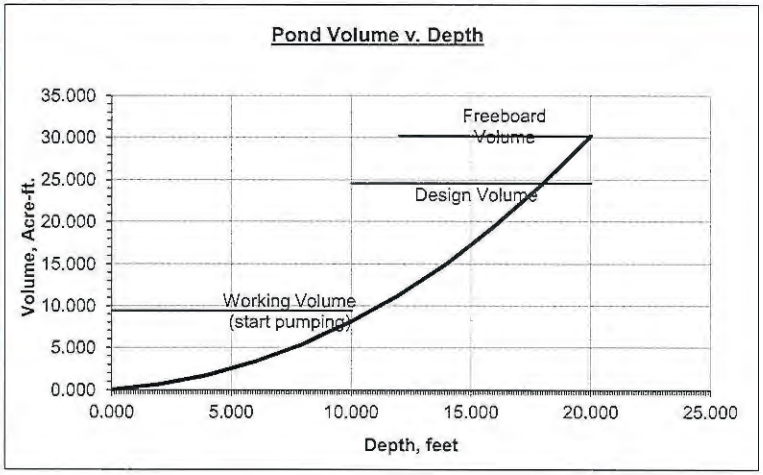
BASIC DATA			POND DESIGN VOLUME		RECTANGULAR STORAGE POND DESIGN DIMENSIONS			
Solids & Slurry Inflow :	0 cu. ft. /day				Bottom Width:	15 ft.	Inside Top Width:	175 ft.
Other Liquid Waste Inflow:	0 gal. /day		Max Working Storage:	9.42 Acre-ft	Bottom Length:	590 ft.	Inside Top Length:	750 ft.
Contributing Roof Area:	0 sq. ft.		Design Storm Runoff:	15.15 Acre-ft	Design Depth:	18.0 ft.	Total Depth:	20 ft.
Contributing Paved Lot Area:	0 sq. ft., CN =	97	Design Requirement:	24.58 Acre-ft	Freeboard:	2.0 ft.	Design Surface Area:	131,250 sq. ft.
Contributing Earth Lot Area:	74 Acres, CN =	90			Inside Slope:	4 H:1V	Available Storage Volume:	24.51 Acre-ft
25yr-24hr Precipitation Depth:	3.34 inches		Available Storage:	100% of design	Evaporation Area:	8,850 sq.ft.	Freeboard Volume:	5.69 Acre-ft
10yr-10day Precipitation Depth:	4.22 inches		Storage Safety Factor:	1.2	Seepage Rate:	0.000 inches/day	Total Volume:	30.20 Acre-ft
Annual FWS Evaporation:	48 inches		(w/ freeboard)		Seepage Area:	19884 sq.ft.		

AVERAGE ANNUAL MASS BALANCE FOR ESTIMATING MAXIMUM WORKING STORAGE REQUIREMENTS

	MONTHLY POND INFLOW											MONTHLY POND OUTFLOW					WORKING STORAGE	
	Monthly Contribution to Working Storage from Precipitation								Waste Inflow		Total	Surface		Seepage	Planned	Total	Monthly	Accumulated
	Precip.	Earth Lot Runoff		Paved Lot Runoff		Roof Runoff		On Pond	Solids	Liquids	Inflow	Evaporation		Loss	Drawdown	Outflow	In - Out	Storage
Month	(inches)	(inches)	(Acre-ft)	(inches)	(Acre-ft)	(inches)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(inches)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)	(Acre-ft)
Jan.	0.23	0.05	0.32	0.01	0.0000	0.09	0.0000	0.0578	0.0000	2.4000	2.77	1.44	0.0244	0.0000	0.00	0.02	2.75	6.25
Feb.	0.17	0.07	0.44	0.00	0.0000	0.05	0.0000	0.0427	0.0000	2.1700	2.65	1.68	0.0284	0.0000	0.00	0.03	2.62	8.87
Mar.	0.71	0.00	0.03	0.23	0.0000	0.51	0.0000	0.1783	0.0000	0.3900	0.59	2.64	0.0447	0.0000	0.00	0.04	0.55	9.42
Apr.	1.20	0.10	0.63	0.59	0.0000	0.99	0.0000	0.3013	0.0000	0.0000	0.93	4.32	0.0731	0.0000	1.00	1.07	-0.14	9.28
May	2.63	0.83	5.09	1.88	0.0000	2.40	0.0000	0.6604	0.0000	0.0000	5.75	5.76	0.0975	0.0000	6.00	6.10	-0.34	8.93
June	2.15	0.53	3.29	1.43	0.0000	1.92	0.0000	0.5398	0.0000	0.0000	3.83	6.96	0.1178	0.0000	6.00	6.12	-2.29	6.64
July	1.80	0.35	2.14	1.11	0.0000	1.58	0.0000	0.4520	0.0000	0.0000	2.59	7.20	0.1219	0.0000	7.00	7.12	-4.53	2.11
Aug.	1.49	0.21	1.27	0.84	0.0000	1.27	0.0000	0.3741	0.0000	0.0000	1.65	6.48	0.1097	0.0000	2.00	2.11	-0.46	1.65
Sep.	1.13	0.08	0.50	0.54	0.0000	0.92	0.0000	0.2837	0.0000	0.0000	0.79	4.80	0.0813	0.0000	1.85	1.93	-1.15	0.51
Oct.	0.66	0.00	0.01	0.20	0.0000	0.47	0.0000	0.1657	0.0000	0.0000	0.17	3.36	0.0569	0.0000	0.00	0.06	0.12	0.62
Nov.	0.38	0.02	0.10	0.05	0.0000	0.21	0.0000	0.0954	0.0000	0.3900	0.59	1.92	0.0325	0.0000	0.00	0.03	0.56	1.18
Dec.	0.27	0.04	0.25	0.01	0.0000	0.12	0.0000	0.0678	0.0000	2.0100	2.32	1.44	0.0244	0.0000	0.00	0.02	2.30	3.48
Totals:	12.82	2.28	14.06	6.87	0.00	10.53	0.00	3.22	0.00	7.36	24.64	48.00	0.81	0.00	23.85	24.66		

RAINFALL AND RUNOFF ESTIMATION FOR WASTE STORAGE POND DESIGN

	Earth Areas	Paved Areas	Roofed Areas	Pond Surface
	25yr-24hr Storm Event			
1 day Curve Numbers:	90	97	100	100 %
25yr-24hr Rainfall:	3.34 inches	3.34 inches	3.34 inches	3.34 inches
25yr-24hr Runoff:	2.30 inches	3.00 inches	3.34 inches	3.34 inches
Runoff Volume:	14.17 Acre-ft	0.00 Acre-ft	0.00 Acre-ft	0.84 Acre-ft
			Total 24hr-25yr Event Runoff Volume:	15.01 Acre-ft
	Chronic Storm (10 day event)			
10 day Curve Numbers:	81	94	100	100 %
10yr-10day Rainfall:	4.2 inches	4.2 inches	4.2 inches	4.22 inches
10yr-10day Runoff:	2.29 inches	3.55 inches	4.22 inches	4.22 inches
Runoff Volume:	14.09 Acre-ft	0.00 Acre-ft	0.00 Acre-ft	1.06 Acre-ft
			Total 10yr-10day Event Runoff Volume:	15.15 Acre-ft
	Average Monthly Runoff Contribution to Working Storage			
30 day Curve Numbers:	77	93	98	100 %
Monthly Runoff:	(see computations in monthly mass balance table above)			
Average Annual Rainfall:	12.8 inches	12.8 inches	12.8 inches	12.8 inches
Average Annual Runoff:	2.28 inches	6.87 inches	10.53 inches	12.82 inches
Runoff as % of Rainfall:	18%	54%	82%	100.0%



THENGINEERING, LLC

CK2, SE

Pond 1

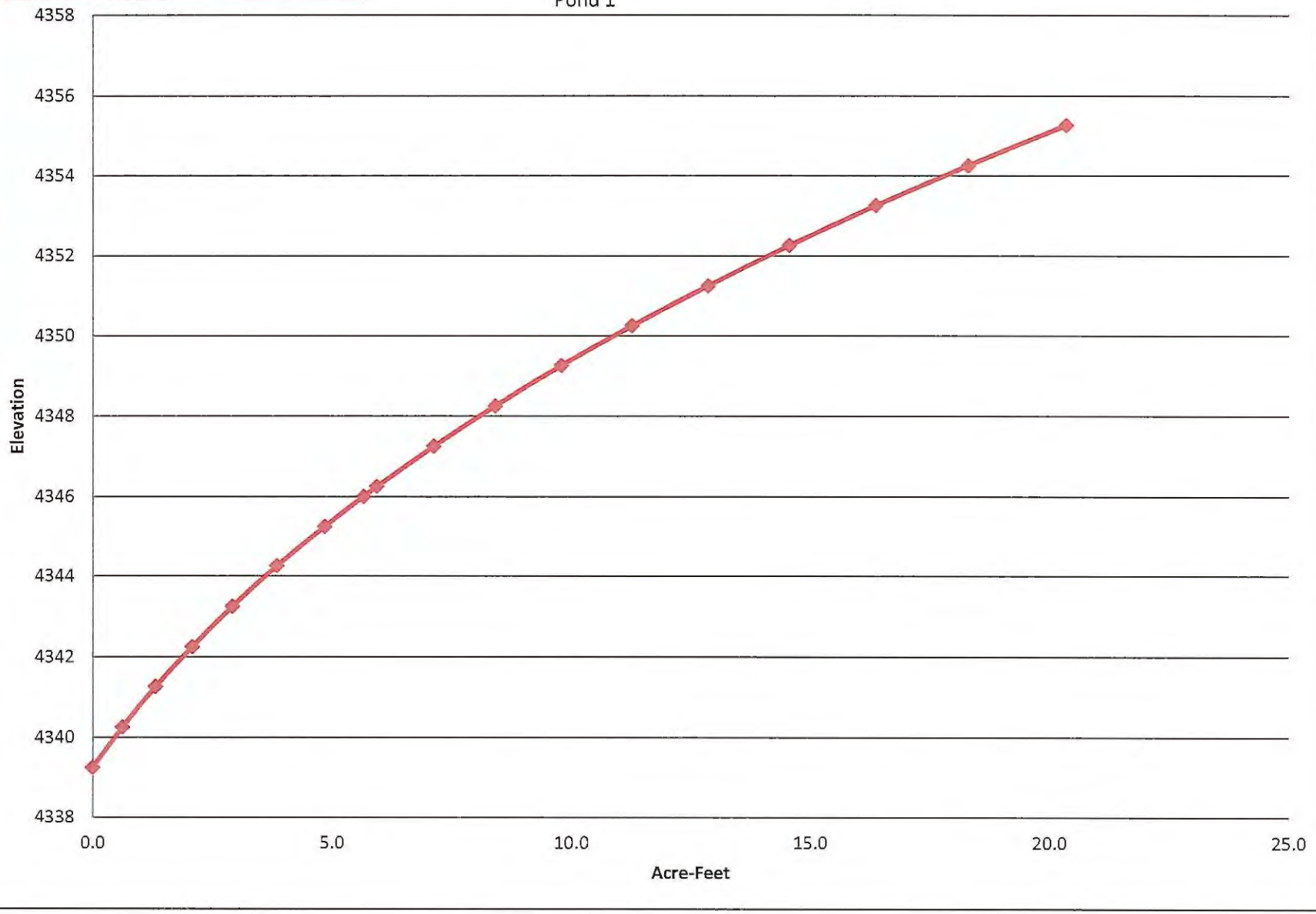
Elev (ft)	Gauge Reading (ft)	Contour Area (ft^2)	Slice Volume (ft^3)	Cumulative Volume (ft^3)	Cumulative Volume (ac-ft)	
4339.25	0.0	25596	0	0	0.0	
4340.25	1.0	28,571	27,084	27,084	0.6	
4341.25	2.0	31,702	30,137	57,220	1.3	
4342.25	3.0	34,990	33,346	90,566	2.1	
4343.25	4.0	38,433	36,712	127,278	2.9	
4344.25	5.0	42,031	40,232	167,510	3.8	
4345.25	6.0	45,186	43,609	211,118	4.8	
4346	6.8				5.7	Pump Down
4346.25	7.0	49,697	47,442	258,560	5.9	
4347.25	8.0	53,763	51,730	310,290	7.1	
4348.25	9.0	57,985	55,874	366,164	8.4	
4349.25	10.0	62,363	60,174	426,338	9.8	
4350.25	11.0	66,897	64,630	490,968	11.3	
4351.25	12.0	71,588	69,243	560,210	12.9	
4352.25	13.0	76,432	74,010	634,220	14.6	
4353.25	14.0	81,433	78,933	713,153	16.4	Freeboard mark
4354.25	15.0	86,590	84,012	797,164	18.3	
4355.25	16.0	91,903	89,247	886,411	20.3	Top of Berm

Based on topographical survey by THEngineering, LLC

THE ENGINEERING, LLC

CK2, SE

Pond 1



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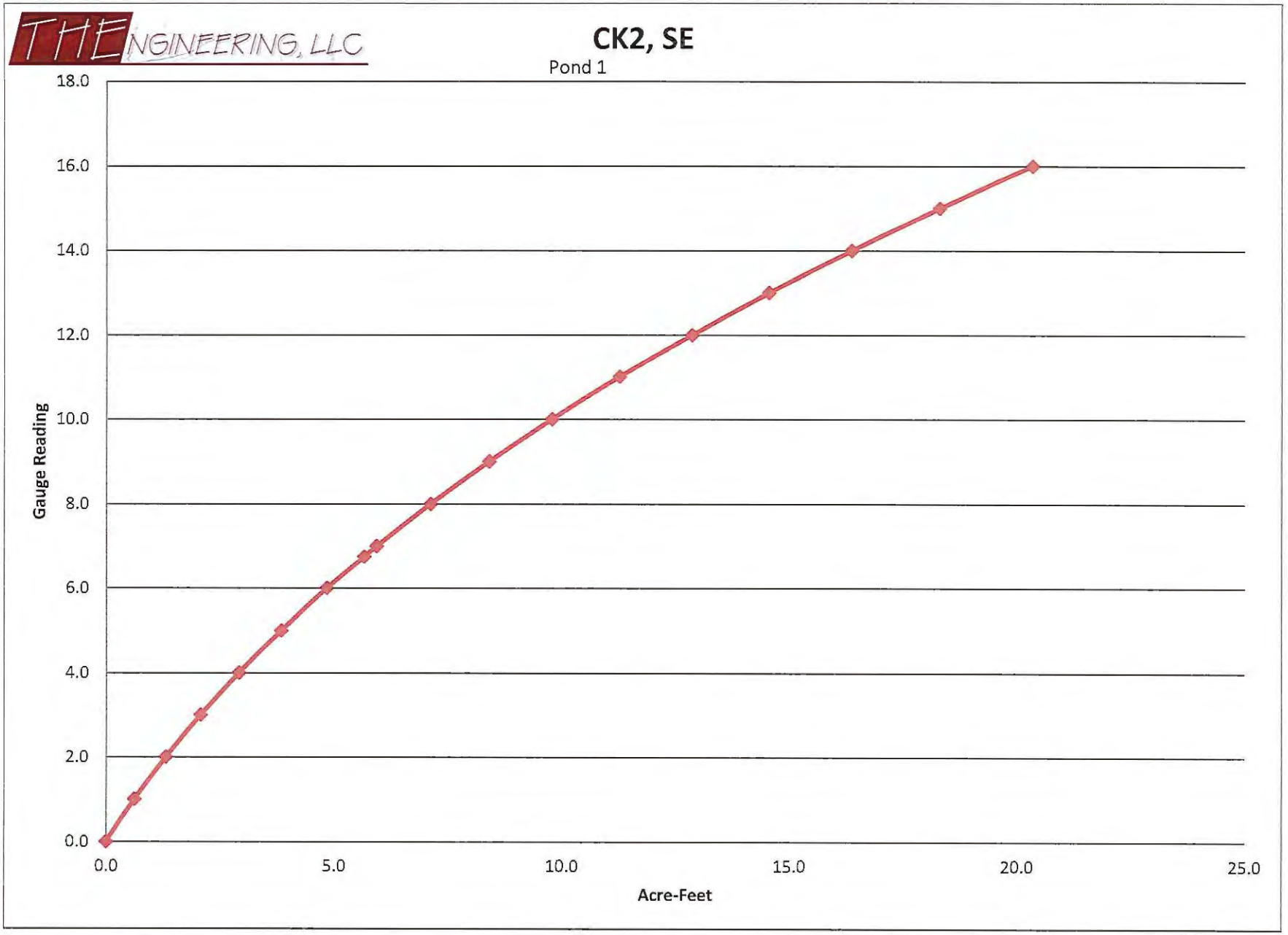
CK2, SE

Pond 1



THENGINEERING, LLC

CK2, Middle

Pond 2

Elev (ft)	Gauge Reading (ft)	Contour Area (ft^2)	Slice Volume (ft^3)	Cumulative Volume (ft^3)	Cumulative Volume (ac-ft)	
4382.25	0.0	25596	0	0	0.0	
4383.25	1.0	28,571	27,084	27,084	0.6	
4384.25	2.0	31,702	30,137	57,220	1.3	
4385.25	3.0	34,990	33,346	90,566	2.1	
4386.25	4.0	38,433	36,712	127,278	2.9	
4387.25	5.0	42,031	40,232	167,510	3.8	
4388.25	6.0	45,186	43,609	211,118	4.8	
4389.25	7.0	49,697	47,442	258,560	5.9	
4390.25	8.0	49,698	49,698	308,257	7.1	
4390.85	8.6				7.8	Pump Down
4391.25	9.0	49,699	49,699	357,956	8.2	
4392.25	10.0	49,700	49,700	407,655	9.4	
4393.25	11.0	49,701	49,701	457,356	10.5	
4394.25	12.0	49,702	49,702	507,057	11.6	
4395.25	13.0	49,703	49,703	556,760	12.8	
4396.25	14.0	49,704	49,704	606,463	13.9	
4397.25	15.0	49,705	49,705	656,168	15.1	
4398.25	16.0	71,588	60,647	716,814	16.5	
4399.25	17.0	76,432	74,010	790,824	18.2	
4400.25	18.0	81,433	78,933	869,757	20.0	Freeboard mark
4401.25	19.0	86,590	84,012	953,768	21.9	
4402.25	20.0	91,903	89,247	1,043,015	23.9	Top of Berm

Based on topographical survey by THEngineering, LLC

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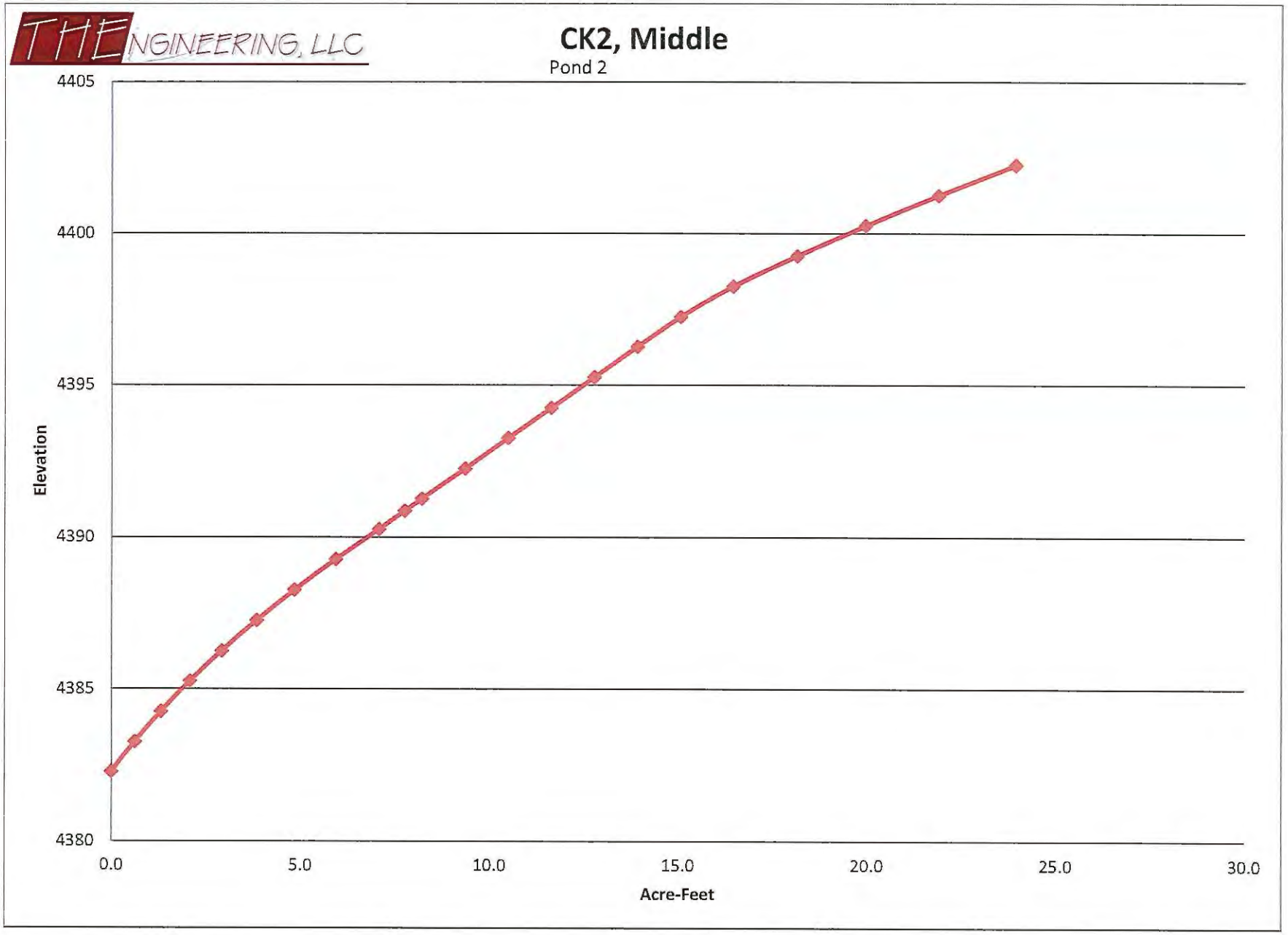
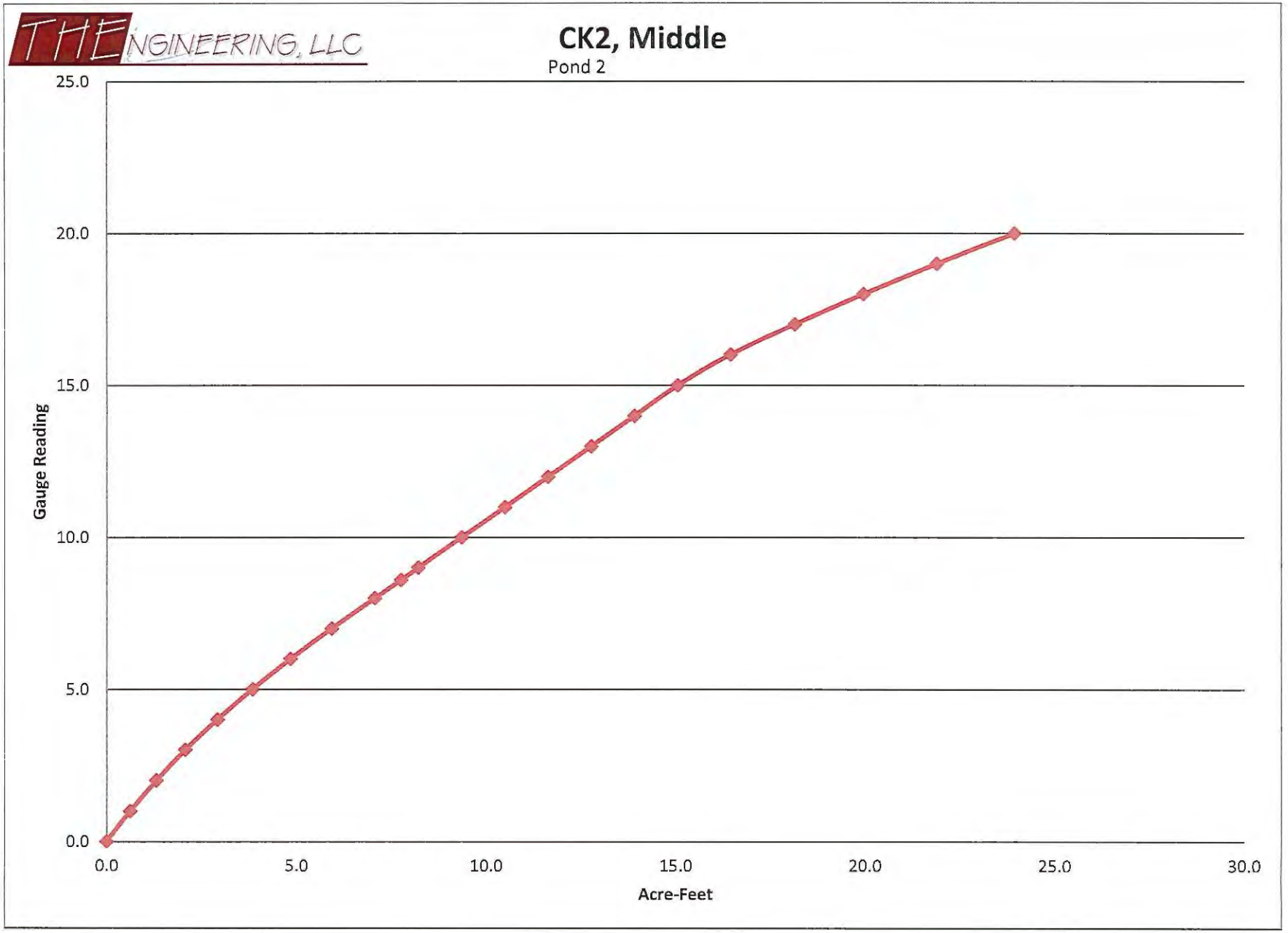


THE ENGINEERING, LLC

CK2, Middle

Pond 2



THENGINEERING, LLC

CK2, Middle

Pond 3

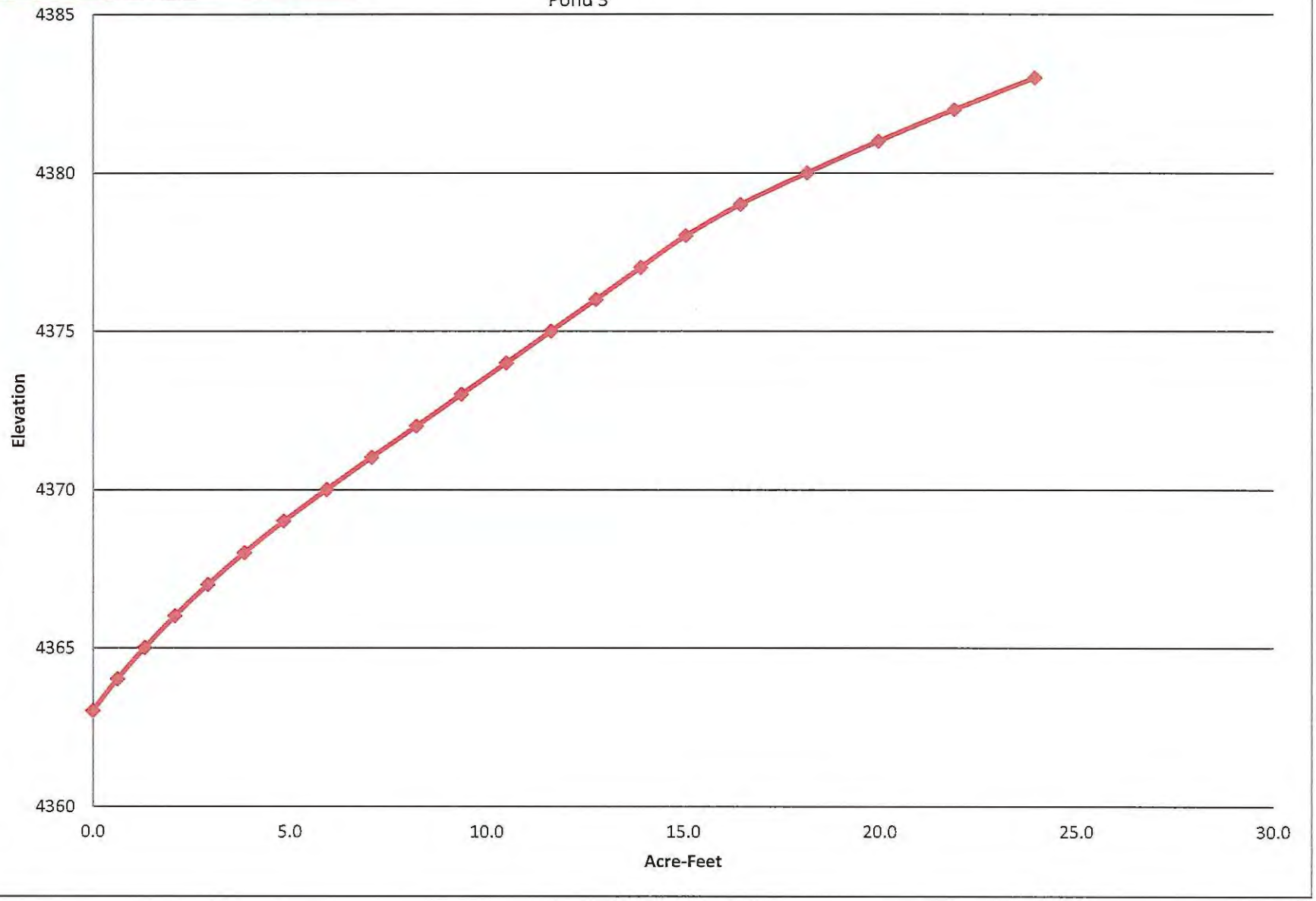
Elev (ft)	Gauge Reading (ft)	Contour Area (ft^2)	Slice Volume (ft^3)	Cumulative Volume (ft^3)	Cumulative Volume (ac-ft)	
4363	0.0	25596	0	0	0.0	
4364	1.0	28,571	27,084	27,084	0.6	
4365	2.0	31,702	30,137	57,220	1.3	
4366	3.0	34,990	33,346	90,566	2.1	
4367	4.0	38,433	36,712	127,278	2.9	
4368	5.0	42,031	40,232	167,510	3.8	
4369	6.0	45,186	43,609	211,118	4.8	Pump Down
4370	7.0	49,697	47,442	258,560	5.9	
4371	8.0	49,698	49,698	308,257	7.1	
4372	9.0	49,699	49,699	357,956	8.2	
4373	10.0	49,700	49,700	407,655	9.4	
4374	11.0	49,701	49,701	457,356	10.5	
4375	12.0	49,702	49,702	507,057	11.6	
4376	13.0	49,703	49,703	556,760	12.8	
4377	14.0	49,704	49,704	606,463	13.9	
4378	15.0	49,705	49,705	656,168	15.1	
4379	16.0	71,588	60,647	716,814	16.5	
4380	17.0	76,432	74,010	790,824	18.2	
4381	18.0	81,433	78,933	869,757	20.0	Freeboard mark
4382	19.0	86,590	84,012	953,768	21.9	
4383	20.0	91,903	89,247	1,043,015	23.9	Top of Berm

Based on topographical survey by THEngineering, LLC

THE ENGINEERING, LLC

CK2, Middle

Pond 3



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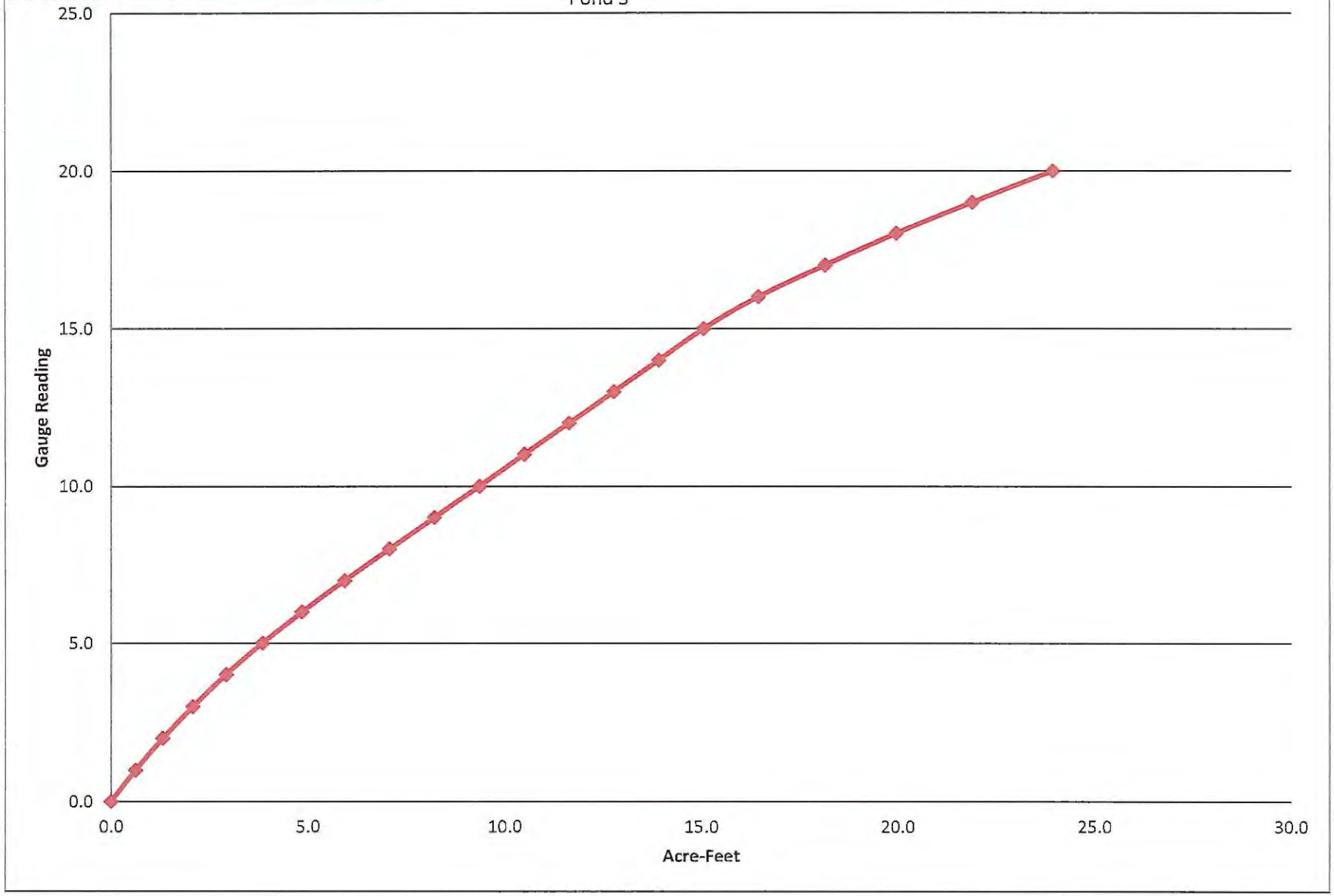
CK2, Middle

Pond 3



Solid Manure & Nutrient Inventory Worksheet

Facility Name: **CK2**

Prepared by: T E H date: 1/28/2025 Checked by: _____ date: _____

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)
Type of Livestock	Number (#)	Average Weight (pounds)	Animal Units (# AUs)	Period Confined (days/year)	Unit Waste Production (lb/AU-day)	Manure Production Daily (lb./day)	Manure Production Annually tons/year	Manure Analysis Total N (lb/ton)	Manure Analysis P_2O_5 (lb/ton)	Nutrients Produced Total N (lb/year)	Nutrients Produced P_2O_5 (lb/year)
Calves	4,854	600	2,912	365	16.9	49,220	8,983	13.0	16.0	116,773	143,721
Breeding	4,854	1,000	4,854	365	16.9	82,033	14,971	13.0	16.0	194,622	239,535
Bred	6,472	1,200	7,766	365	16.9	131,252	23,954	13.0	16.0	311,396	383,256
	16,180										
Other Solid Wastes, (bedding, waste feed, etc.)				days/year		lb/day	tons/year	lb/ton	lb/ton	lb/year	lb/year
										Total N	P_2O_5
Total # Animal Units:			15,533	***Manure Produced, tons/year:***			47,907	***Nutrients, lb/year:***		622,791	766,513

Instructions for each Column

(a) List each type of animal confined, such as "Lactating Dairy Cows", see Table 1 for other examples.
(b) Enter the average number of animals for each type on site during the confinement period.
(c) Enter the average weight of each type of animal, (*example: if calves enter at 500lb and leave at 1,200 lb, the average is (500+1,200)/2 = 850 lb*)
(d) Enter the number of 1,000 lb Animal Units computed by multiplying the number of animals, (b,) by their average weight, (c), and dividing by 1,000.
(e) Enter the average number of days each type of animal is confined on the site per year.
(f) Enter the pounds of collectable manure produced per day per 1,000 lb. Animal Unit, see Table 1 for guidelines.
(g) Estimate the amount of manure produced in pounds per day by multiplying the number of animal units, (d), by the unit manure production rate, (f).
(h) Estimate the annual amount of manure produced in tons per year by multiplying the daily rate, (g), by the confinement period, (e), and dividing by 2,000.
(i) Enter the average total Nitrogen content of the manure based on sample analysis, if there is no on site data use the values shown in Table 4.
(j) Enter the average P_2O_5 content of the manure based on your sample analysis, if there is no on site data use the values shown in Table 4.
(k) Estimate the pounds of Nitrogen that can be collected by multiplying the tons of manure collected, (h), by the pounds of Total Nitrogen per ton, (i)
(l) Estimate the pounds of P_2O_5 that can be collected by multiplying the tons of manure collected, (h), by the pounds of P_2O_5 per ton, (j)

THE ENGINEERING, LLC

CK2 6/11/2025

Feeders

Traffic

Cattle	**Proposed Total**		Cattle	**Typical day**	
Days on feed	180		Days on feed	180	
Incoming weight	800		Incoming weight	800	
Outgoing weight	1200		Outgoing weight	1200	
Planned capacity	25,850		Planned capacity	25,850	
Annual turns	2.0		Annual turns	2.0	
Annual in-out	52,418		Annual in-out	52,418	
Tons in	20,967		Tons in	20,967	
Tons out	31,451		Tons out	31,451	
Trucks in	**839**	**Trucks/yr**	**Trucks in**	**839**	**Trucks/yr**
Trucks out	**1,573**	**Trucks/yr**	**Trucks out**	**1,573**	**Trucks/yr**
Trucks in	**2.30**	**Trucks/day**	**Trucks in**	**2.30**	**Trucks/day**
Trucks out	**4.31**	**Trucks/day**	**Trucks out**	**4.31**	**Trucks/day**
Manure			**Manure**		
Annual production	41,043	tons	Annual production	41,043	tons
Truck capacity	20	tons	Truck capacity	20	tons
Annual trucks	**2,052**	**trucks**	**Annual trucks**		**trucks/day**
Feed			**Feed**		
Daily lb/hd	27	lbs	Daily lb/hd	27	lbs
Daily total	349	tons	Daily total	349	tons
Annual total	174,488	tons	Annual total	174,488	tons
			Silage deduct (offsite)	70,000	tons
Trucks in	**6,980**	**trucks/yr**	**Trucks in**	**4,180**	**trucks/yr**
Trucks in	**19.1**	**trucks/day**	**Trucks in**	**11.5**	**trucks/day**
Other			**Other**		
Employees	6		Employees	6	
Trips/day	1.5		Trips/day	1.5	
Vendor trucks	1		Vendor trucks	1	
Trips/day	1		Trips/day	1	
Vendor cars	1		Vendor cars	1	
Trips/day	1		Trips/day	1	
Total other cars	**10**	**trips/day**	**Total other cars**	**10**	**trips/day**
Total other cars	**3,650**	**trips/yr**	**Total other cars**	**3,650**	**trips/yr**
Total other trucks	**1**	**trips/day**	**Total other trucks**	**1**	**trips/day**
Total other trucks	**365**	**trips/yr**	**Total other trucks**	**365**	**trips/yr**
Total trucks	**11,808**	**trips/yr**	**Total trucks**		**trips/yr**
Total trucks	**32.4**	**trips/day**	**Total trucks**	**19.1**	**trips/day**
Total Cars	**3,650**	**trips/yr**	**Total Cars**		**trips/yr**
Total Cars	**10.0**	**trips/day**	**Total Cars**	**10.0**	**trips/day**

THE ENGINEERING, LLC

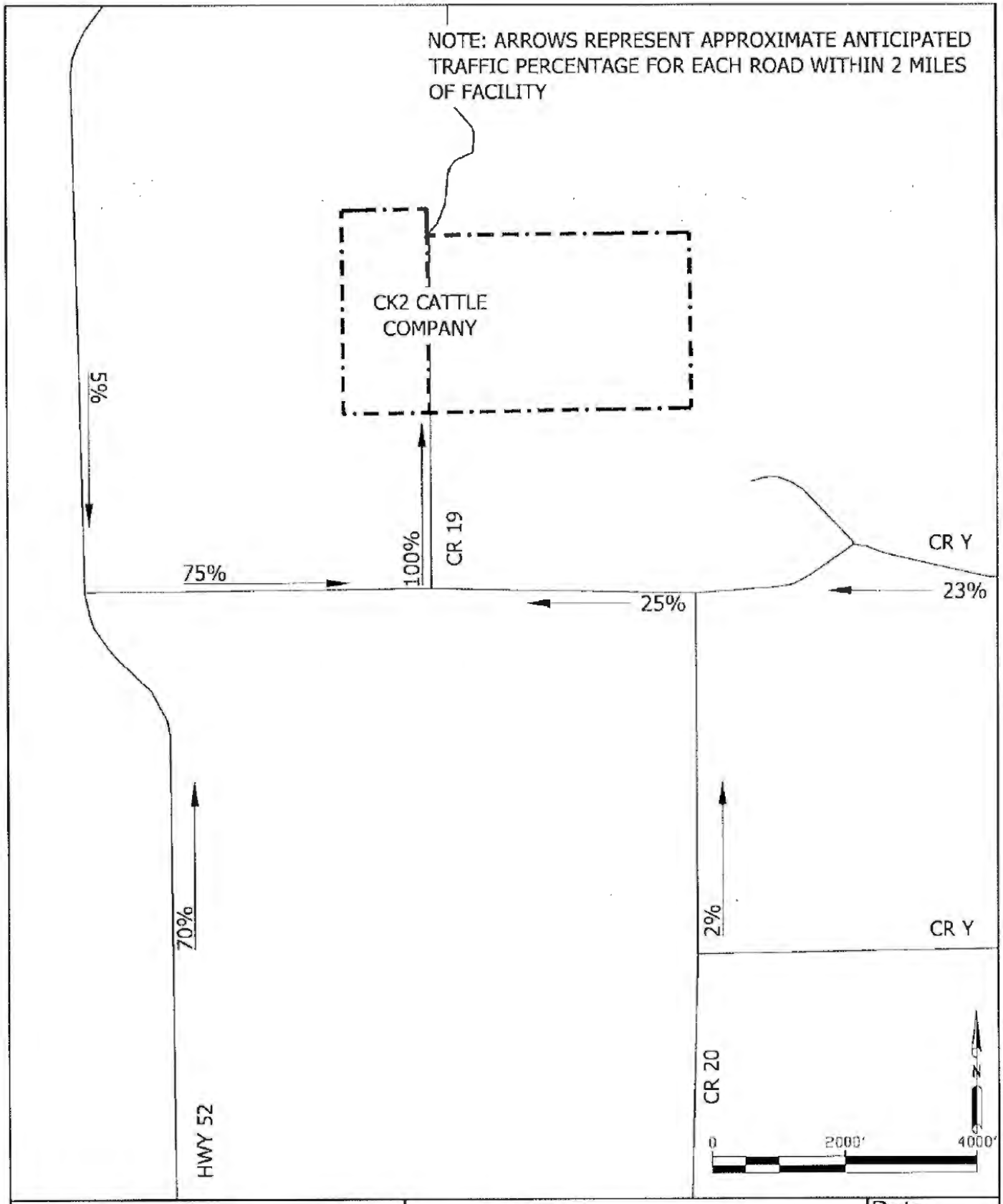
CK2 6/11/2025

Heifers

Traffic

Cattle	Proposed Total		Cattle	Typical day	
Days on feed	570		Days on feed	570	
Incoming weight	400		Incoming weight	400	
Outgoing weight	1300		Outgoing weight	1300	
Planned capacity	16,450		Planned capacity	16,450	
Annual turns	0.6		Annual turns	0.6	
Annual in-out	10,534		Annual in-out	10,534	
Tons in	2,107		Tons in	2,107	
Tons out	6,847		Tons out	6,847	
Trucks in	**84**	**Trucks/yr**	**Trucks in**	**84**	**Trucks/yr**
Trucks out	**342**	**Trucks/yr**	**Trucks out**	**342**	**Trucks/yr**
Trucks in	**0.23**	**Trucks/day**	**Trucks in**	**0.23**	**Trucks/day**
Trucks out	**0.94**	**Trucks/day**	**Trucks out**	**0.94**	**Trucks/day**
Manure			**Manure**		
Annual production	47,900	tons	Annual production	47,900	tons
Truck capacity	20	tons	Truck capacity	20	tons
Annual trucks	**2,395**	**trucks**	**Annual trucks**		**trucks/day**
Feed			**Feed**		
Daily lb/hd	35	lbs	Daily lb/hd	35	lbs
Daily total	288	tons	Daily total	288	tons
Annual total	143,938	tons	Annual total	143,938	tons
			Silage deduct (offsite)	70,000	tons
Trucks in	**5,758**	**trucks/yr**	**Trucks in**	**2,958**	**trucks/yr**
Trucks in	**15.8**	**trucks/day**	**Trucks in**	**8.1**	**trucks/day**
Other			**Other**		
Employees	12		Employees	12	
Trips/day	1.5		Trips/day	1.5	
Vendor trucks	2		Vendor trucks	2	
Trips/day	1		Trips/day	1	
Vendor cars	1		Vendor cars	1	
Trips/day	1		Trips/day	1	
Total other cars	**19**	**trips/day**	**Total other cars**	**19**	**trips/day**
Total other cars	**6,935**	**trips/yr**	**Total other cars**	**6,935**	**trips/yr**
Total other trucks	**2**	**trips/day**	**Total other trucks**	**2**	**trips/day**
Total other trucks	**730**	**trips/yr**	**Total other trucks**	**730**	**trips/yr**
Total trucks	**9,309**	**trips/yr**	**Total trucks**		**trips/yr**
Total trucks	**25.5**	**trips/day**	**Total trucks**	**11.3**	**trips/day**
Total Cars	**6,935**	**trips/yr**	**Total Cars**		**trips/yr**
Total Cars	**19.0**	**trips/day**	**Total Cars**	**19.0**	**trips/day**

CK2



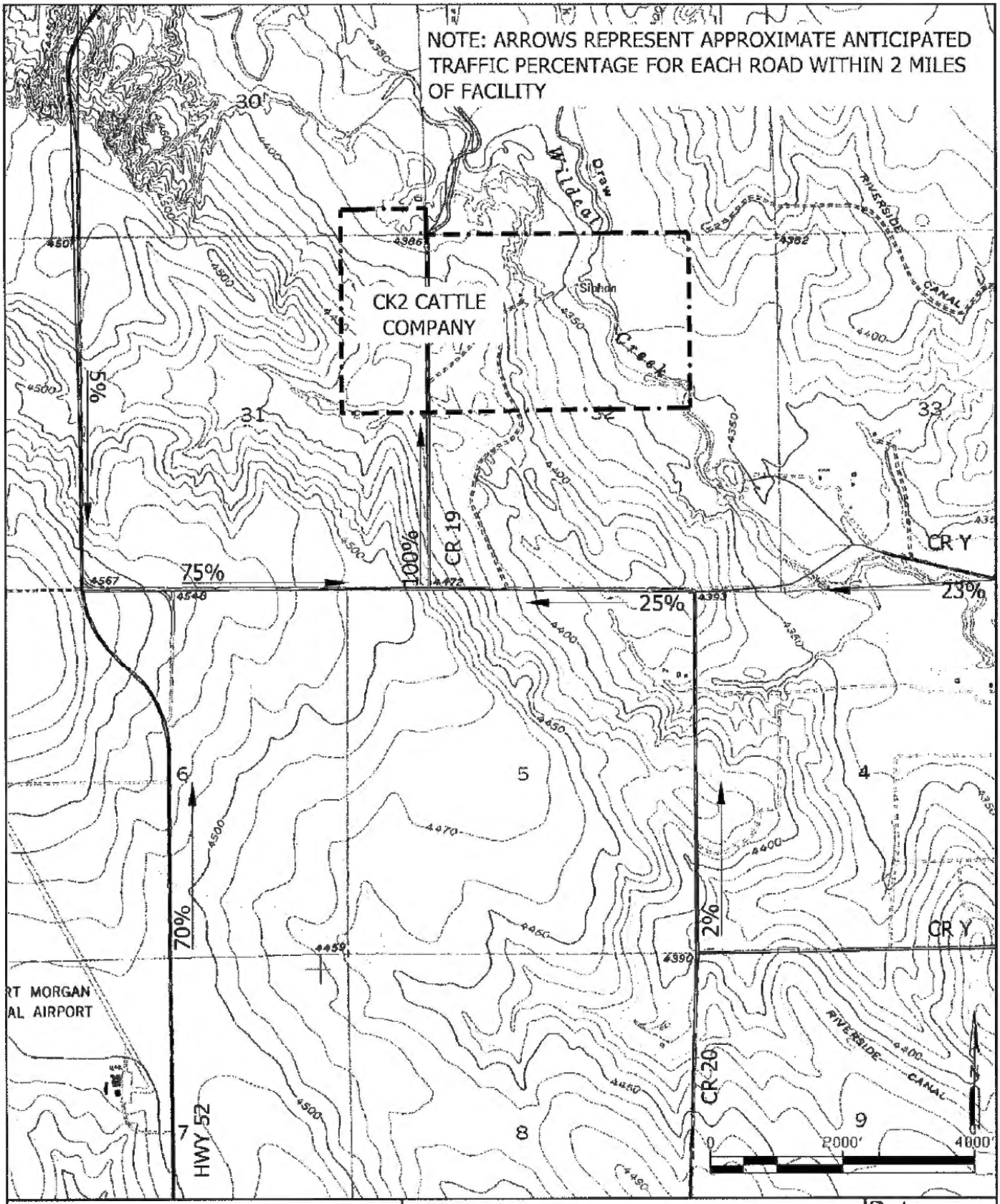
THE ENGINEERING, LLC
Greeley, CO

CK2 CATTLE COMPANY

PROJECTED HAUL ROUTE
MORGAN COUNTY, COLORADO

Date: 3/21/2025

Sheet No. 1 OF 1



THE ENGINEERING, LLC
Greeley, CO
[redacted]

CK2 CATTLE COMPANY

PROJECTED HAUL ROUTE
MORGAN COUNTY, COLORADO

Date: 3/21/2025

Sheet No. 1 OF 1

All four locations to be counted simultaneously.

All location to be video counters

All locations to be counted for seven consecutive days.

Bi directional count at all locations include direction of travel and vehicle classification.

Submit video and report by day/counter to Planning & Zoning.

Each report is to include counter location, date, time (15 minute increments), direction of travel, and light/heavy classification.

Example of report on next page.

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
0:00	0	0	0	0	0
0:15	0	0	0	0	
0:30	0	0	0	0	
0:45	0	0	0	0	
1:00	0	0	0	0	0
1:15	0	0	0	0	
1:30	0	0	0	0	
1:45	0	0	0	0	
2:00	0	0	0	0	0
2:15	0	0	0	0	
2:30	0	0	0	0	
2:45	0	0	0	0	
3:00	0	0	0	0	2
3:15	0	0	0	0	
3:30	0	0	0	0	
3:45	2	0	0	0	
4:00	0	0	0	0	4
4:15	1	0	0	0	
4:30	1	0	0	0	
4:45	2	0	0	0	
5:00	4	1	0	0	15
5:15	4	1	0	0	
5:30	3	0	0	0	
5:45	1	1	0	0	
6:00	0	0	0	0	4
6:15	0	0	0	0	
6:30	0	0	0	0	
6:45	1	1	1	1	
7:00	1	3	2	0	19
7:15	1	2	0	0	
7:30	1	3	0	2	
7:45	1	2	1	0	
8:00	1	2	1	0	15
8:15	1	2	1	1	
8:30	2	0	0	1	
8:45	1	1	0	1	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0
0:15	0	0	
0:30	0	0	
0:45	0	0	
1:00	0	0	0
1:15	0	0	
1:30	0	0	
1:45	0	0	
2:00	0	0	0
2:15	0	0	
2:30	0	0	
2:45	0	0	
3:00	0	0	0
3:15	0	0	
3:30	0	0	
3:45	0	0	
4:00	0	0	0
4:15	0	0	
4:30	0	0	
4:45	0	0	
5:00	0	0	0
5:15	0	0	
5:30	0	0	
5:45	0	0	
6:00	0	0	0
6:15	0	0	
6:30	0	0	
6:45	0	0	
7:00	0	0	0
7:15	0	0	
7:30	0	0	
7:45	0	0	
8:00	0	0	0
8:15	0	0	
8:30	0	0	
8:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
9:00	3	0	1	0	12
9:15	1	0	0	0	
9:30	2	0	0	1	
9:45	1	1	1	1	
10:00	0	2	1	1	12
10:15	0	0	2	0	
10:30	0	1	2	1	
10:45	1	1	0	0	
11:00	1	2	1	0	16
11:15	0	2	1	1	
11:30	1	1	0	2	
11:45	1	3	0	0	
12:00	0	0	0	0	12
12:15	0	1	1	1	
12:30	0	3	1	0	
12:45	1	2	1	1	
13:00	1	1	1	1	13
13:15	1	2	0	0	
13:30	1	0	2	0	
13:45	1	2	0	0	
14:00	4	2	1	0	18
14:15	0	2	0	0	
14:30	1	1	0	1	
14:45	4	1	1	0	
15:00	1	0	1	3	22
15:15	1	4	0	0	
15:30	0	4	0	0	
15:45	1	7	0	0	
16:00	5	4	2	0	22
16:15	2	1	0	0	
16:30	3	0	0	1	
16:45	1	3	0	0	
17:00	1	1	0	0	8
17:15	1	1	0	0	
17:30	1	1	0	0	
17:45	2	0	0	0	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	0
13:15	0	0	
13:30	0	0	
13:45	0	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
18:00	0	0	0	0	4
18:15	2	1	0	0	
18:30	0	0	0	0	
18:45	1	0	0	0	
19:00	0	0	0	0	0
19:15	0	0	0	0	
19:30	0	0	0	0	
19:45	0	0	0	0	
20:00	1	0	0	0	2
20:15	0	1	0	0	
20:30	0	0	0	0	
20:45	0	0	0	0	
21:00	0	1	0	0	3
21:15	1	0	0	0	
21:30	0	0	0	0	
21:45	0	1	0	0	
22:00	0	0	0	0	5
22:15	0	1	0	0	
22:30	1	1	0	0	
22:45	2	0	0	0	
23:00	0	0	0	0	5
23:15	1	2	0	0	
23:30	0	0	0	0	
23:45	0	2	0	0	
24-HR TOTAL	**81**	**85**	**26**	**21**	**213**

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0
18:15	0	0	
18:30	0	0	
18:45	0	0	
19:00	0	0	0
19:15	0	0	
19:30	0	0	
19:45	0	0	
20:00	0	0	0
20:15	0	0	
20:30	0	0	
20:45	0	0	
21:00	0	0	0
21:15	0	0	
21:30	0	0	
21:45	0	0	
22:00	0	0	0
22:15	0	0	
22:30	0	0	
22:45	0	0	
23:00	0	0	0
23:15	0	0	
23:30	0	0	
23:45	0	0	
24-HR TOTAL	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	1	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	1	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	2	2:00	0	0	0
2:15	0	0	0	1		2:15	0	0	
2:30	0	1	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	3	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	1	0	0	0		3:30	0	0	
3:45	1	1	0	0		3:45	0	0	
4:00	0	0	0	0	6	4:00	0	0	0
4:15	2	0	0	0		4:15	0	0	
4:30	2	0	0	0		4:30	0	0	
4:45	2	0	0	0		4:45	0	0	
5:00	3	2	0	0	13	5:00	0	0	0
5:15	2	0	0	0		5:15	0	0	
5:30	5	0	0	0		5:30	0	0	
5:45	0	0	0	1		5:45	0	0	
6:00	1	0	0	0	7	6:00	0	0	0
6:15	1	0	0	0		6:15	0	0	
6:30	1	1	0	0		6:30	0	0	
6:45	0	2	1	0		6:45	0	0	
7:00	1	3	2	0	20	7:00	0	0	0
7:15	1	4	0	1		7:15	0	0	
7:30	1	2	0	1		7:30	0	0	
7:45	2	1	1	0		7:45	0	0	
8:00	1	1	1	0	12	8:00	0	0	0
8:15	0	0	0	1		8:15	0	0	
8:30	0	3	1	1		8:30	0	0	
8:45	0	2	0	1		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
9:00	2	2	2	0	19
9:15	0	2	1	1	
9:30	1	0	2	0	
9:45	2	3	0	1	
10:00	0	1	0	0	9
10:15	1	0	1	0	
10:30	0	0	0	1	
10:45	3	0	1	1	
11:00	2	1	2	0	20
11:15	3	1	0	0	
11:30	2	3	1	2	
11:45	1	1	1	0	
12:00	1	3	1	0	13
12:15	1	2	0	0	
12:30	0	1	0	0	
12:45	1	0	2	1	
13:00	2	0	1	0	14
13:15	3	1	0	0	
13:30	0	2	2	1	
13:45	1	0	0	1	
14:00	1	3	0	0	21
14:15	1	0	0	2	
14:30	1	0	0	1	
14:45	6	5	0	1	
15:00	2	2	0	1	21
15:15	1	3	0	0	
15:30	4	2	0	0	
15:45	2	3	1	0	
16:00	2	2	0	1	20
16:15	4	4	0	0	
16:30	0	3	1	0	
16:45	0	3	0	0	
17:00	1	2	0	0	9
17:15	0	2	0	0	
17:30	0	1	0	0	
17:45	2	1	0	0	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	0
13:15	0	0	
13:30	0	0	
13:45	0	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	1	0	0	7	18:00	0	0	0
18:15	1	1	0	0		18:15	0	0	
18:30	1	1	0	0		18:30	0	0	
18:45	1	1	0	0		18:45	0	0	
19:00	0	0	0	0	7	19:00	0	0	0
19:15	1	2	0	0		19:15	0	0	
19:30	3	0	0	0		19:30	0	0	
19:45	1	0	0	0		19:45	0	0	
20:00	0	0	0	0	3	20:00	0	0	0
20:15	1	1	0	1		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	1	0	0	0	1	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	1	0	0	0	4	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	1	0	0	0		22:30	0	0	
22:45	2	0	0	0		22:45	0	0	
23:00	1	3	1	0	6	23:00	0	0	0
23:15	0	1	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**95**	**93**	**27**	**23**	**238**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	1	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	1		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	2	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	1	0	0	0		3:30	0	0	
3:45	1	0	0	0		3:45	0	0	
4:00	0	0	0	0	4	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	2	0	0	0		4:30	0	0	
4:45	2	0	0	0		4:45	0	0	
5:00	3	3	0	0	13	5:00	0	0	0
5:15	3	0	0	0		5:15	0	0	
5:30	2	0	0	0		5:30	0	0	
5:45	1	1	0	0		5:45	0	0	
6:00	1	0	0	0	10	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	2	1	0	1		6:30	0	0	
6:45	2	2	1	0		6:45	0	0	
7:00	1	2	1	1	19	7:00	0	0	0
7:15	2	5	0	1		7:15	0	0	
7:30	2	3	1	0		7:30	0	0	
7:45	0	0	0	0		7:45	0	0	
8:00	0	1	1	0	16	8:00	0	0	0
8:15	2	2	0	1		8:15	0	0	
8:30	2	3	0	2		8:30	0	0	
8:45	1	1	0	0		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
9:00	0	0	2	0	18
9:15	0	0	1	2	
9:30	1	0	5	1	
9:45	1	3	0	2	
10:00	2	0	0	0	11
10:15	1	1	1	1	
10:30	2	0	0	0	
10:45	1	2	0	0	
11:00	0	0	2	2	18
11:15	1	2	0	0	
11:30	2	0	2	3	
11:45	2	1	1	0	
12:00	2	1	0	0	17
12:15	1	2	2	1	
12:30	0	1	0	2	
12:45	0	2	3	0	
13:00	0	2	1	1	22
13:15	2	1	2	1	
13:30	2	3	1	1	
13:45	1	1	1	2	
14:00	1	0	0	1	16
14:15	1	0	0	0	
14:30	2	1	3	1	
14:45	3	2	0	1	
15:00	4	0	0	2	22
15:15	1	3	0	1	
15:30	1	3	1	1	
15:45	1	3	1	0	
16:00	2	2	1	1	18
16:15	1	3	2	0	
16:30	2	0	0	0	
16:45	0	4	0	0	
17:00	1	2	1	1	13
17:15	1	3	0	0	
17:30	1	2	0	0	
17:45	1	0	0	0	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	0
13:15	0	0	
13:30	0	0	
13:45	0	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
18:00	0	1	0	0	6
18:15	1	1	0	0	
18:30	1	0	0	0	
18:45	2	0	0	0	
19:00	1	0	0	0	3
19:15	0	0	0	0	
19:30	0	0	0	0	
19:45	1	0	1	0	
20:00	0	0	0	0	2
20:15	0	1	0	1	
20:30	0	0	0	0	
20:45	0	0	0	0	
21:00	0	0	1	0	3
21:15	1	0	0	0	
21:30	1	0	0	0	
21:45	0	0	0	0	
22:00	0	0	0	0	3
22:15	0	0	0	0	
22:30	0	0	0	0	
22:45	2	0	0	1	
23:00	1	1	0	0	6
23:15	0	2	0	0	
23:30	0	0	0	0	
23:45	2	0	0	0	
24-HOUR TOTAL	**87**	**80**	**39**	**37**	**243**

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0
18:15	0	0	
18:30	0	0	
18:45	0	0	
19:00	0	0	0
19:15	0	0	
19:30	0	0	
19:45	0	0	
20:00	0	0	0
20:15	0	0	
20:30	0	0	
20:45	0	0	
21:00	0	0	0
21:15	0	0	
21:30	0	0	
21:45	0	0	
22:00	0	0	0
22:15	0	0	
22:30	0	0	
22:45	0	0	
23:00	0	0	0
23:15	0	0	
23:30	0	0	
23:45	0	0	
24-HOUR TOTAL	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	4	3:00	0	0	0
3:15	1	1	0	0		3:15	0	0	
3:30	1	0	0	0		3:30	0	0	
3:45	1	0	0	0		3:45	0	0	
4:00	0	0	0	0	4	4:00	0	0	0
4:15	1	0	0	0		4:15	0	0	
4:30	1	0	0	0		4:30	0	0	
4:45	2	0	0	0		4:45	0	0	
5:00	2	0	1	0	14	5:00	0	0	0
5:15	5	1	0	0		5:15	0	0	
5:30	3	0	0	0		5:30	0	0	
5:45	1	1	0	0		5:45	0	0	
6:00	0	0	0	1	10	6:00	0	0	0
6:15	0	0	1	0		6:15	0	0	
6:30	1	0	0	0		6:30	0	0	
6:45	2	2	2	1		6:45	0	0	
7:00	2	3	3	0	17	7:00	0	0	0
7:15	0	2	0	0		7:15	0	0	
7:30	1	1	1	1		7:30	0	0	
7:45	0	2	0	1		7:45	0	0	
8:00	1	1	1	0	22	8:00	0	0	0
8:15	1	3	1	1		8:15	0	0	
8:30	1	2	1	2		8:30	0	0	
8:45	0	2	4	1		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
9:00	1	0	1	3	20
9:15	0	1	2	1	
9:30	4	1	1	1	
9:45	0	1	1	2	
10:00	0	1	3	2	20
10:15	3	1	2	0	
10:30	0	2	3	0	
10:45	0	1	1	1	
11:00	1	1	1	4	24
11:15	2	0	4	2	
11:30	1	1	2	1	
11:45	2	2	0	0	
12:00	1	1	0	1	17
12:15	0	4	0	0	
12:30	0	2	2	2	
12:45	0	0	4	0	
13:00	0	1	0	1	18
13:15	0	1	4	1	
13:30	3	1	1	4	
13:45	0	0	0	1	
14:00	1	0	1	1	18
14:15	1	2	0	0	
14:30	4	1	1	0	
14:45	4	1	1	0	
15:00	4	3	1	2	39
15:15	4	4	1	0	
15:30	1	4	1	4	
15:45	0	9	0	1	
16:00	5	5	0	0	27
16:15	2	4	0	0	
16:30	1	3	0	1	
16:45	3	3	0	0	
17:00	3	0	1	0	12
17:15	2	1	0	0	
17:30	0	3	0	0	
17:45	1	1	0	0	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	0
13:15	0	0	
13:30	0	0	
13:45	0	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
18:00	1	0	0	0	10
18:15	3	0	0	0	
18:30	5	1	0	0	
18:45	0	0	0	0	
19:00	1	1	0	0	6
19:15	1	2	0	0	
19:30	1	0	0	0	
19:45	0	0	0	0	
20:00	3	1	0	0	6
20:15	1	0	0	0	
20:30	0	0	1	0	
20:45	0	0	0	0	
21:00	0	0	0	0	2
21:15	1	1	0	0	
21:30	0	0	0	0	
21:45	0	0	0	0	
22:00	0	0	0	0	5
22:15	0	0	0	1	
22:30	1	0	0	0	
22:45	3	0	0	0	
23:00	2	0	0	0	7
23:15	0	4	0	0	
23:30	0	0	0	0	
23:45	1	0	0	0	
24-HOUR TOTAL	**105**	**97**	**55**	**45**	**302**

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0
18:15	0	0	
18:30	0	0	
18:45	0	0	
19:00	0	0	0
19:15	0	0	
19:30	0	0	
19:45	0	0	
20:00	0	0	0
20:15	0	0	
20:30	0	0	
20:45	0	0	
21:00	0	0	0
21:15	0	0	
21:30	0	0	
21:45	0	0	
22:00	0	0	0
22:15	0	0	
22:30	0	0	
22:45	0	0	
23:00	0	0	0
23:15	0	0	
23:30	0	0	
23:45	0	0	
24-HOUR TOTAL	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	1	0	0	1	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	1	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	1	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	1	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	1	0	0	0		3:45	0	0	
4:00	0	0	0	0	4	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	3	0	0	0		4:30	0	0	
4:45	0	1	0	0		4:45	0	0	
5:00	3	0	0	0	11	5:00	0	0	0
5:15	1	1	0	0		5:15	0	0	
5:30	3	0	0	0		5:30	0	0	
5:45	1	1	1	0		5:45	0	0	
6:00	1	0	0	1	15	6:00	0	0	0
6:15	0	0	1	1		6:15	0	0	
6:30	1	1	1	1		6:30	0	0	
6:45	4	2	0	1		6:45	0	0	
7:00	0	0	2	0	13	7:00	0	0	0
7:15	0	2	1	1		7:15	0	0	
7:30	0	4	0	1		7:30	0	0	
7:45	0	0	1	1		7:45	0	0	
8:00	2	1	0	1	10	8:00	0	0	0
8:15	0	0	0	3		8:15	0	0	
8:30	0	1	1	0		8:30	0	0	
8:45	0	1	0	0		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
9:00	0	1	1	0	9
9:15	0	1	1	0	
9:30	1	2	0	0	
9:45	1	0	0	1	
10:00	1	1	0	2	13
10:15	0	2	0	1	
10:30	1	1	2	0	
10:45	2	0	0	0	
11:00	1	1	0	1	15
11:15	0	1	1	0	
11:30	2	1	1	0	
11:45	1	2	0	3	
12:00	1	2	0	1	15
12:15	2	1	0	0	
12:30	1	2	0	0	
12:45	1	1	1	2	
13:00	1	0	0	0	15
13:15	0	3	2	2	
13:30	0	0	0	0	
13:45	1	3	1	2	
14:00	1	3	0	0	16
14:15	3	1	1	0	
14:30	0	0	0	0	
14:45	5	1	0	1	
15:00	2	2	0	0	22
15:15	0	4	2	0	
15:30	1	6	0	1	
15:45	1	1	1	1	
16:00	2	2	0	2	17
16:15	2	1	0	0	
16:30	1	2	0	0	
16:45	1	2	1	1	
17:00	1	1	0	1	12
17:15	0	0	1	0	
17:30	1	1	1	0	
17:45	1	4	0	0	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	1
13:15	0	0	
13:30	0	0	
13:45	1	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
18:00	0	1	0	0	7
18:15	3	0	0	0	
18:30	0	0	0	0	
18:45	0	3	0	0	
19:00	1	0	0	0	3
19:15	0	1	0	0	
19:30	0	0	0	0	
19:45	1	0	0	0	
20:00	0	1	0	0	4
20:15	1	0	0	0	
20:30	0	1	0	0	
20:45	0	1	0	0	
21:00	0	0	0	0	3
21:15	1	0	0	0	
21:30	0	0	1	0	
21:45	0	1	0	0	
22:00	0	0	0	0	4
22:15	0	0	0	0	
22:30	1	0	0	0	
22:45	2	1	0	0	
23:00	1	1	0	0	4
23:15	0	1	0	0	
23:30	1	0	0	0	
23:45	0	0	0	0	
24-HOUR TOTAL	**72**	**84**	**26**	**33**	**215**

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0
18:15	0	0	
18:30	0	0	
18:45	0	0	
19:00	0	0	0
19:15	0	0	
19:30	0	0	
19:45	0	0	
20:00	0	0	0
20:15	0	0	
20:30	0	0	
20:45	0	0	
21:00	0	0	0
21:15	0	0	
21:30	0	0	
21:45	0	0	
22:00	0	0	0
22:15	0	0	
22:30	0	0	
22:45	0	0	
23:00	0	0	0
23:15	0	0	
23:30	0	0	
23:45	0	0	
24-HOUR TOTAL	**1**	**0**	**1**

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
0:00	1	0	0	1	2
0:15	0	0	0	0	
0:30	0	0	0	0	
0:45	0	0	0	0	
1:00	0	0	0	0	0
1:15	0	0	0	0	
1:30	0	0	0	0	
1:45	0	0	0	0	
2:00	0	0	0	0	1
2:15	1	0	0	0	
2:30	0	0	0	0	
2:45	0	0	0	0	
3:00	0	0	0	0	1
3:15	0	0	0	0	
3:30	0	0	0	0	
3:45	1	0	0	0	
4:00	0	0	0	0	3
4:15	1	0	0	0	
4:30	1	0	0	0	
4:45	1	0	0	0	
5:00	4	1	0	0	9
5:15	1	0	0	0	
5:30	2	0	0	0	
5:45	1	0	0	0	
6:00	0	0	1	0	15
6:15	0	2	1	0	
6:30	2	1	0	1	
6:45	4	3	0	0	
7:00	1	0	0	0	8
7:15	0	0	0	0	
7:30	0	4	0	1	
7:45	0	1	1	0	
8:00	1	1	1	1	8
8:15	0	0	0	1	
8:30	0	2	0	0	
8:45	0	0	0	1	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0
0:15	0	0	
0:30	0	0	
0:45	0	0	
1:00	0	0	0
1:15	0	0	
1:30	0	0	
1:45	0	0	
2:00	0	0	0
2:15	0	0	
2:30	0	0	
2:45	0	0	
3:00	0	0	0
3:15	0	0	
3:30	0	0	
3:45	0	0	
4:00	0	0	0
4:15	0	0	
4:30	0	0	
4:45	0	0	
5:00	0	0	0
5:15	0	0	
5:30	0	0	
5:45	0	0	
6:00	0	0	0
6:15	0	0	
6:30	0	0	
6:45	0	0	
7:00	0	0	0
7:15	0	0	
7:30	0	0	
7:45	0	0	
8:00	0	0	0
8:15	0	0	
8:30	0	0	
8:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	1	0	1	0	10	9:00	0	0	0
9:15	0	1	0	1		9:15	0	0	
9:30	1	0	0	1		9:30	0	0	
9:45	1	0	3	0		9:45	0	0	
10:00	1	0	1	1	11	10:00	0	0	0
10:15	0	1	0	1		10:15	0	0	
10:30	3	1	0	0		10:30	0	0	
10:45	2	0	0	0		10:45	0	0	
11:00	1	2	0	0	20	11:00	0	0	0
11:15	1	3	0	0		11:15	0	0	
11:30	1	0	0	2		11:30	0	0	
11:45	5	3	1	1		11:45	0	0	
12:00	0	1	1	0	18	12:00	0	0	0
12:15	1	1	1	2		12:15	0	0	
12:30	3	4	0	0		12:30	0	0	
12:45	0	3	1	0		12:45	0	0	
13:00	1	0	0	0	8	13:00	0	0	0
13:15	1	1	0	0		13:15	0	0	
13:30	1	1	0	0		13:30	0	0	
13:45	1	1	1	0		13:45	0	0	
14:00	2	2	0	1	14	14:00	0	0	0
14:15	2	0	0	0		14:15	0	0	
14:30	0	1	1	0		14:30	0	0	
14:45	3	1	0	1		14:45	0	0	
15:00	4	2	0	0	21	15:00	0	0	0
15:15	0	1	0	0		15:15	0	0	
15:30	0	8	0	0		15:30	0	0	
15:45	0	3	0	3		15:45	0	0	
16:00	0	3	0	0	22	16:00	0	0	0
16:15	1	5	0	0		16:15	0	0	
16:30	3	3	1	0		16:30	0	0	
16:45	1	5	0	0		16:45	0	0	
17:00	2	1	1	0	12	17:00	0	0	0
17:15	2	0	1	0		17:15	0	0	
17:30	0	0	0	0		17:30	0	0	
17:45	1	4	0	0		17:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
18:00	1	0	0	0	7
18:15	1	2	0	0	
18:30	0	1	0	0	
18:45	1	1	0	0	
19:00	1	2	0	0	5
19:15	0	0	0	0	
19:30	0	1	0	0	
19:45	0	1	0	0	
20:00	2	0	0	0	3
20:15	0	0	0	0	
20:30	0	0	1	0	
20:45	0	0	0	0	
21:00	0	0	0	0	4
21:15	0	0	0	0	
21:30	0	1	0	0	
21:45	2	0	0	1	
22:00	0	0	0	0	7
22:15	0	0	0	0	
22:30	2	0	0	0	
22:45	5	0	0	0	
23:00	1	1	0	0	6
23:15	0	4	0	0	
23:30	0	0	0	0	
23:45	0	0	0	0	
24-HOUR TOTAL	**84**	**91**	**19**	**21**	**215**

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0
18:15	0	0	
18:30	0	0	
18:45	0	0	
19:00	0	0	0
19:15	0	0	
19:30	0	0	
19:45	0	0	
20:00	0	0	0
20:15	0	0	
20:30	0	0	
20:45	0	0	
21:00	0	0	0
21:15	0	0	
21:30	0	0	
21:45	0	0	
22:00	0	0	0
22:15	0	0	
22:30	0	0	
22:45	0	0	
23:00	0	0	0
23:15	0	0	
23:30	0	0	
23:45	0	0	
24-HOUR TOTAL	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	2	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	1	0	0	0		3:30	0	0	
3:45	1	0	0	0		3:45	0	0	
4:00	0	0	0	0	3	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	3	0	0	0		4:45	0	0	
5:00	5	1	1	0	18	5:00	0	0	0
5:15	3	0	0	0		5:15	0	0	
5:30	4	0	0	0		5:30	0	0	
5:45	2	2	0	0		5:45	0	0	
6:00	0	0	1	0	11	6:00	0	0	0
6:15	0	1	0	1		6:15	0	0	
6:30	1	1	0	1		6:30	0	0	
6:45	2	3	0	0		6:45	0	0	
7:00	1	1	0	0	15	7:00	0	0	0
7:15	1	3	2	0		7:15	0	0	
7:30	2	1	2	2		7:30	0	0	
7:45	0	0	0	0		7:45	0	0	
8:00	0	3	0	1	22	8:00	0	0	0
8:15	0	2	2	1		8:15	0	0	
8:30	0	1	1	1		8:30	0	0	
8:45	2	1	5	2		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
9:00	1	0	1	1	14
9:15	0	1	0	1	
9:30	1	2	3	0	
9:45	1	1	0	1	
10:00	0	1	1	1	14
10:15	1	0	1	0	
10:30	3	3	0	1	
10:45	1	0	0	1	
11:00	1	3	1	0	8
11:15	0	1	0	0	
11:30	0	2	0	0	
11:45	0	0	0	0	
12:00	3	1	4	0	16
12:15	1	0	0	0	
12:30	1	3	0	2	
12:45	0	1	0	0	
13:00	2	0	1	0	17
13:15	2	0	0	1	
13:30	1	2	1	0	
13:45	2	2	2	1	
14:00	2	2	1	0	18
14:15	0	1	0	1	
14:30	2	0	1	1	
14:45	5	2	0	0	
15:00	0	2	0	1	21
15:15	1	0	0	0	
15:30	3	5	0	0	
15:45	3	3	3	0	
16:00	3	7	0	0	22
16:15	2	2	0	1	
16:30	1	3	0	0	
16:45	1	1	0	1	
17:00	0	1	0	0	8
17:15	0	2	0	1	
17:30	1	0	0	0	
17:45	2	1	0	0	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	0
13:15	0	0	
13:30	0	0	
13:45	0	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

idax DATA SOLUTIONS

Location: CR Y_W-O CR 20
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 4

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	3	1	0	0	10	18:00	0	0	0
18:15	2	2	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	1	0	1		18:45	0	0	
19:00	1	0	0	0	4	19:00	0	0	0
19:15	1	0	0	0		19:15	0	0	
19:30	2	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	2	0	0	5	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	1	0	1	0		20:30	0	0	
20:45	1	0	0	0		20:45	0	0	
21:00	1	0	0	0	2	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	1	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	4	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	1	0	0	0		22:30	0	0	
22:45	2	1	0	0		22:45	0	0	
23:00	0	0	0	0	3	23:00	0	0	0
23:15	1	2	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**92**	**84**	**35**	**26**	**237**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	1	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	1	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	0	0	1	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	0	0	0	0		6:30	0	0	
6:45	0	0	1	0		6:45	0	0	
7:00	0	0	0	1	5	7:00	0	0	0
7:15	0	1	0	0		7:15	0	0	
7:30	0	1	1	0		7:30	0	0	
7:45	0	0	0	1		7:45	0	0	
8:00	1	0	0	0	3	8:00	0	0	0
8:15	0	0	0	0		8:15	0	0	
8:30	0	0	0	0		8:30	0	0	
8:45	1	0	1	0		8:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0	1		9:00	0	0	
9:15	0	1	0	0	3	9:15	0	0	0
9:30	0	0	0	0		9:30	0	0	
9:45	0	0	0	1		9:45	0	0	
10:00	0	0	0	0		10:00	0	0	
10:15	0	0	0	0	0	10:15	0	0	0
10:30	0	0	0	0		10:30	0	0	
10:45	0	0	0	0		10:45	0	0	
11:00	0	0	0	0		11:00	0	0	
11:15	0	0	0	0	2	11:15	0	0	0
11:30	0	0	0	0		11:30	0	0	
11:45	1	1	0	0		11:45	0	0	
12:00	0	0	0	0		12:00	0	0	
12:15	0	0	0	0	0	12:15	0	0	0
12:30	0	0	0	0		12:30	0	0	
12:45	0	0	0	0		12:45	0	0	
13:00	0	0	0	0		13:00	0	0	
13:15	0	0	0	0	1	13:15	0	0	0
13:30	0	0	0	0		13:30	0	0	
13:45	1	0	0	0		13:45	0	0	
14:00	0	0	0	0		14:00	0	0	
14:15	0	0	0	0	0	14:15	0	0	0
14:30	0	0	0	0		14:30	0	0	
14:45	0	0	0	0		14:45	0	0	
15:00	0	0	0	0		15:00	0	0	
15:15	0	0	0	0	2	15:15	0	0	0
15:30	0	0	0	0		15:30	0	0	
15:45	2	0	0	0		15:45	0	0	
16:00	0	0	0	0		16:00	0	0	
16:15	0	1	0	0	2	16:15	0	0	0
16:30	0	1	0	0		16:30	0	0	
16:45	0	0	0	0		16:45	0	0	
17:00	0	0	0	0		17:00	0	0	
17:15	1	0	0	0	1	17:15	0	0	0
17:30	0	0	0	0		17:30	0	0	
17:45	0	0	0	0		17:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0	0		18:00	0	0	
18:15	0	1	0	0	1	18:15	0	0	0
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0		19:00	0	0	
19:15	0	0	0	0	0	19:15	0	0	0
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0		20:00	0	0	
20:15	0	0	0	0	0	20:15	0	0	0
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0		21:00	0	0	
21:15	0	0	0	0	0	21:15	0	0	0
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0		22:00	0	0	
22:15	0	0	0	0	0	22:15	0	0	0
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0		23:00	0	0	
23:15	0	0	0	0	0	23:15	0	0	0
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HR TOTAL	**7**	**8**	**3**	**4**	**22**	**24-HR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	1	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	1	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	0	0	1	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	0	0	0	0		6:30	0	0	
6:45	0	0	1	0		6:45	0	0	
7:00	0	0	0	1	3	7:00	0	0	0
7:15	0	0	0	0		7:15	0	0	
7:30	0	0	0	0		7:30	0	0	
7:45	0	0	1	1		7:45	0	0	
8:00	1	0	0	0	3	8:00	0	0	0
8:15	0	0	0	0		8:15	0	0	
8:30	0	0	1	1		8:30	0	0	
8:45	0	0	0	0		8:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0	0	2	9:00	0	0	0
9:15	0	0	1	1		9:15	0	0	
9:30	0	0	0	0		9:30	0	0	
9:45	0	0	0	0		9:45	0	0	
10:00	0	0	0	0	0	10:00	0	0	0
10:15	0	0	0	0		10:15	0	0	
10:30	0	0	0	0		10:30	0	0	
10:45	0	0	0	0		10:45	0	0	
11:00	0	0	0	0	1	11:00	0	0	0
11:15	0	1	0	0		11:15	0	0	
11:30	0	0	0	0		11:30	0	0	
11:45	0	0	0	0		11:45	0	0	
12:00	2	0	0	0	3	12:00	0	0	0
12:15	0	0	0	0		12:15	0	0	
12:30	0	0	0	0		12:30	0	0	
12:45	0	1	0	0		12:45	0	0	
13:00	0	0	0	0	1	13:00	0	0	0
13:15	0	0	0	0		13:15	0	0	
13:30	0	0	0	0		13:30	0	0	
13:45	1	0	0	0		13:45	0	0	
14:00	0	0	0	0	2	14:00	0	0	0
14:15	0	0	0	0		14:15	0	0	
14:30	0	0	0	0		14:30	0	0	
14:45	1	0	1	0		14:45	0	0	
15:00	0	0	0	0	2	15:00	0	0	0
15:15	0	0	0	0		15:15	0	0	
15:30	0	0	0	1		15:30	0	0	
15:45	0	1	0	0		15:45	0	0	
16:00	0	0	0	0	0	16:00	0	0	0
16:15	0	0	0	0		16:15	0	0	
16:30	0	0	0	0		16:30	0	0	
16:45	0	0	0	0		16:45	0	0	
17:00	0	0	0	0	2	17:00	0	0	0
17:15	1	0	0	0		17:15	0	0	
17:30	0	0	0	0		17:30	0	0	
17:45	0	1	0	0		17:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	1	0	0	1	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**6**	**6**	**5**	**5**	**22**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	1	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	1	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	0	0	5	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	2	0	1	1		6:30	0	0	
6:45	1	0	0	0		6:45	0	0	
7:00	1	0	1	0	7	7:00	0	0	0
7:15	0	1	1	1		7:15	0	0	
7:30	1	0	0	0		7:30	0	0	
7:45	0	0	1	0		7:45	0	0	
8:00	0	0	0	0	7	8:00	0	0	0
8:15	2	0	0	0		8:15	0	0	
8:30	1	0	1	0		8:30	0	0	
8:45	1	1	0	1		8:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	1	0	0	0	8	9:00	0	0	0
9:15	0	0	0	0		9:15	0	0	
9:30	1	1	1	1		9:30	0	0	
9:45	0	2	1	0		9:45	0	0	
10:00	1	1	0	0	5	10:00	0	0	0
10:15	0	0	0	1		10:15	0	0	
10:30	0	0	0	0		10:30	0	0	
10:45	0	2	0	0		10:45	0	0	
11:00	1	1	1	0	6	11:00	0	0	0
11:15	1	0	1	0		11:15	0	0	
11:30	0	0	0	1		11:30	0	0	
11:45	0	0	0	0		11:45	0	0	
12:00	1	2	0	0	4	12:00	0	0	0
12:15	0	0	0	0		12:15	0	0	
12:30	0	0	0	0		12:30	0	0	
12:45	1	0	0	0		12:45	0	0	
13:00	1	1	0	1	7	13:00	0	0	0
13:15	1	1	0	0		13:15	0	0	
13:30	1	0	0	0		13:30	0	0	
13:45	0	1	0	0		13:45	0	0	
14:00	0	0	0	0	6	14:00	0	0	0
14:15	0	0	0	0		14:15	0	0	
14:30	0	0	0	0		14:30	0	0	
14:45	1	4	0	1		14:45	0	0	
15:00	0	0	0	0	5	15:00	0	0	0
15:15	0	1	1	0		15:15	0	0	
15:30	0	0	0	0		15:30	0	0	
15:45	2	1	0	0		15:45	0	0	
16:00	1	1	0	0	5	16:00	0	0	0
16:15	0	1	1	0		16:15	0	0	
16:30	0	0	0	0		16:30	0	0	
16:45	1	0	0	0		16:45	0	0	
17:00	0	1	0	1	5	17:00	0	0	0
17:15	0	0	0	0		17:15	0	0	
17:30	1	2	0	0		17:30	0	0	
17:45	0	0	0	0		17:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0	0	0	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	1	0	0	1	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**25**	**27**	**11**	**9**	**72**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	1	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	1	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	1	0	7	6:00	0	0	0
6:15	0	0	0	1		6:15	0	0	
6:30	1	0	0	0		6:30	0	0	
6:45	2	0	1	1		6:45	0	0	
7:00	2	0	0	0	3	7:00	0	0	0
7:15	0	0	0	0		7:15	0	0	
7:30	0	0	0	0		7:30	0	0	
7:45	0	0	1	0		7:45	0	0	
8:00	0	0	0	0	3	8:00	0	0	0
8:15	2	0	0	0		8:15	0	0	
8:30	0	0	0	0		8:30	0	0	
8:45	0	0	0	1		8:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	1	0	6	9:00	0	0	0
9:15	1	0	1	1		9:15	0	0	
9:30	1	0	0	0		9:30	0	0	
9:45	0	0	1	0		9:45	0	0	
10:00	0	0	0	1	6	10:00	0	0	0
10:15	0	2	0	0		10:15	0	0	
10:30	1	0	0	0		10:30	0	0	
10:45	1	0	0	1		10:45	0	0	
11:00	1	0	0	0	5	11:00	0	0	0
11:15	1	0	0	0		11:15	0	0	
11:30	0	1	0	0		11:30	0	0	
11:45	0	2	0	0		11:45	0	0	
12:00	0	1	0	0	4	12:00	0	0	0
12:15	1	0	0	0		12:15	0	0	
12:30	0	0	0	0		12:30	0	0	
12:45	1	1	0	0		12:45	0	0	
13:00	0	0	0	1	2	13:00	0	0	0
13:15	1	0	0	0		13:15	0	0	
13:30	0	0	0	0		13:30	0	0	
13:45	0	0	0	0		13:45	0	0	
14:00	1	0	0	0	6	14:00	0	0	0
14:15	1	0	0	0		14:15	0	0	
14:30	0	2	0	0		14:30	0	0	
14:45	1	1	0	0		14:45	0	0	
15:00	1	1	0	0	10	15:00	0	0	0
15:15	0	0	0	0		15:15	0	0	
15:30	1	0	1	0		15:30	0	0	
15:45	3	3	0	0		15:45	0	0	
16:00	0	5	0	0	9	16:00	0	0	0
16:15	1	1	0	0		16:15	0	0	
16:30	0	0	1	0		16:30	0	0	
16:45	0	1	0	0		16:45	0	0	
17:00	0	1	0	1	6	17:00	0	0	0
17:15	0	1	0	0		17:15	0	0	
17:30	1	1	0	0		17:30	0	0	
17:45	1	0	0	0		17:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	1	0	0	3	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	2	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	1	0	0	0	1	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**28**	**28**	**8**	**8**	**72**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	0	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	0	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	1	0	7	6:00	0	0	0
6:15	0	0	0	1		6:15	0	0	
6:30	2	0	0	0		6:30	0	0	
6:45	2	0	1	0		6:45	0	0	
7:00	0	0	0	1	3	7:00	0	0	0
7:15	0	0	0	0		7:15	0	0	
7:30	0	0	1	0		7:30	0	0	
7:45	0	0	0	1		7:45	0	0	
8:00	0	0	0	0	2	8:00	0	0	0
8:15	0	0	1	0		8:15	0	0	
8:30	0	0	0	1		8:30	0	0	
8:45	0	0	0	0		8:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0	0	4	9:00	0	0	0
9:15	2	1	0	0		9:15	0	0	
9:30	0	0	0	0		9:30	0	0	
9:45	0	0	1	0		9:45	0	0	
10:00	0	0	0	0	1	10:00	0	0	0
10:15	0	0	0	0		10:15	0	0	
10:30	0	0	0	1		10:30	0	0	
10:45	0	0	0	0		10:45	0	0	
11:00	0	0	0	0	2	11:00	0	0	0
11:15	0	0	0	0		11:15	0	0	
11:30	0	2	0	0		11:30	0	0	
11:45	0	0	0	0		11:45	0	0	
12:00	1	0	0	0	1	12:00	0	0	0
12:15	0	0	0	0		12:15	0	0	
12:30	0	0	0	0		12:30	0	0	
12:45	0	0	0	0		12:45	0	0	
13:00	0	0	0	0	2	13:00	0	0	0
13:15	1	0	0	0		13:15	0	0	
13:30	0	0	0	0		13:30	0	0	
13:45	0	1	0	0		13:45	0	0	
14:00	0	0	0	0	5	14:00	0	0	0
14:15	1	2	0	0		14:15	0	0	
14:30	1	0	0	0		14:30	0	0	
14:45	1	0	0	0		14:45	0	0	
15:00	1	3	0	0	5	15:00	0	0	0
15:15	0	0	0	0		15:15	0	0	
15:30	0	1	0	0		15:30	0	0	
15:45	0	0	0	0		15:45	0	0	
16:00	0	0	0	0	1	16:00	0	0	0
16:15	0	0	0	0		16:15	0	0	
16:30	0	1	0	0		16:30	0	0	
16:45	0	0	0	0		16:45	0	0	
17:00	0	0	0	0	0	17:00	0	0	0
17:15	0	0	0	0		17:15	0	0	
17:30	0	0	0	0		17:30	0	0	
17:45	0	0	0	0		17:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0	0	0	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	1	22:00	0	0	0
22:15	0	1	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**12**	**12**	**5**	**5**	**34**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	0	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	0	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	0	0	2	6:00	0	0	0
6:15	0	0	1	1		6:15	0	0	
6:30	0	0	0	0		6:30	0	0	
6:45	0	0	0	0		6:45	0	0	
7:00	0	0	0	0	2	7:00	0	0	0
7:15	0	0	0	0		7:15	0	0	
7:30	0	0	1	1		7:30	0	0	
7:45	0	0	0	0		7:45	0	0	
8:00	0	0	0	0	1	8:00	0	0	0
8:15	0	0	0	0		8:15	0	0	
8:30	0	0	0	0		8:30	0	0	
8:45	0	0	1	0		8:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0	1	3	9:00	0	0	0
9:15	0	0	0	0		9:15	0	0	
9:30	0	0	1	1		9:30	0	0	
9:45	0	0	0	0		9:45	0	0	
10:00	0	0	0	0	0	10:00	0	0	0
10:15	0	0	0	0		10:15	0	0	
10:30	0	0	0	0		10:30	0	0	
10:45	0	0	0	0		10:45	0	0	
11:00	0	0	0	0	1	11:00	0	0	0
11:15	0	0	0	0		11:15	0	0	
11:30	0	0	0	0		11:30	0	0	
11:45	1	0	0	0		11:45	0	0	
12:00	0	0	0	0	2	12:00	0	0	0
12:15	0	1	0	0		12:15	0	0	
12:30	0	0	0	0		12:30	0	0	
12:45	1	0	0	0		12:45	0	0	
13:00	0	0	0	0	0	13:00	0	0	0
13:15	0	0	0	0		13:15	0	0	
13:30	0	0	0	0		13:30	0	0	
13:45	0	0	0	0		13:45	0	0	
14:00	0	1	0	0	2	14:00	0	0	0
14:15	0	0	0	0		14:15	0	0	
14:30	1	0	0	0		14:30	0	0	
14:45	0	0	0	0		14:45	0	0	
15:00	0	1	0	0	1	15:00	0	0	0
15:15	0	0	0	0		15:15	0	0	
15:30	0	0	0	0		15:30	0	0	
15:45	0	0	0	0		15:45	0	0	
16:00	1	0	0	0	2	16:00	0	0	0
16:15	0	0	0	0		16:15	0	0	
16:30	0	0	0	0		16:30	0	0	
16:45	1	0	0	0		16:45	0	0	
17:00	0	1	0	0	1	17:00	0	0	0
17:15	0	0	0	0		17:15	0	0	
17:30	0	0	0	0		17:30	0	0	
17:45	0	0	0	0		17:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	2	0	0	0	2	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**7**	**4**	**4**	**4**	**19**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	1	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	1	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	0	0	5	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	1	0	0	0		6:30	0	0	
6:45	4	0	0	0		6:45	0	0	
7:00	1	0	0	0	6	7:00	0	0	0
7:15	0	1	0	0		7:15	0	0	
7:30	0	0	1	1		7:30	0	0	
7:45	2	0	0	0		7:45	0	0	
8:00	0	0	2	0	7	8:00	0	0	0
8:15	1	0	0	0		8:15	0	0	
8:30	0	1	1	0		8:30	0	0	
8:45	0	0	0	2		8:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
9:00	0	0	0	0	5
9:15	0	0	1	0	
9:30	1	0	1	1	
9:45	0	0	0	1	
10:00	0	0	1	1	6
10:15	1	0	0	1	
10:30	1	1	0	0	
10:45	0	0	0	0	
11:00	0	2	0	0	4
11:15	0	0	1	0	
11:30	0	0	0	1	
11:45	0	0	0	0	
12:00	0	0	0	0	2
12:15	1	1	0	0	
12:30	0	0	0	0	
12:45	0	0	0	0	
13:00	1	0	0	0	5
13:15	0	1	0	0	
13:30	1	0	0	1	
13:45	1	0	0	0	
14:00	1	1	0	0	6
14:15	0	0	0	0	
14:30	0	1	0	0	
14:45	0	3	0	0	
15:00	0	0	0	0	1
15:15	0	0	0	0	
15:30	1	0	0	0	
15:45	0	0	0	0	
16:00	0	1	0	0	3
16:15	0	1	0	0	
16:30	0	0	0	0	
16:45	0	1	0	0	
17:00	0	0	0	0	4
17:15	1	0	0	0	
17:30	0	0	0	0	
17:45	1	2	0	0	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	0
13:15	0	0	
13:30	0	0	
13:45	0	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

DATA SOLUTIONS

Location: Access Rd_E-O CR 19
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 3

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0	0	0	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**20**	**18**	**8**	**9**	**55**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	1	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	1	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	0	0	1	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	0	0	0	0		6:30	0	0	
6:45	0	0	1	0		6:45	0	0	
7:00	0	0	0	1	6	7:00	0	0	0
7:15	0	1	0	0		7:15	0	0	
7:30	1	0	1	0		7:30	0	0	
7:45	0	1	0	1		7:45	0	0	
8:00	1	0	0	0	2	8:00	0	0	0
8:15	0	0	0	0		8:15	0	0	
8:30	0	0	0	0		8:30	0	0	
8:45	1	0	0	0		8:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
9:00	0	0	1	2	6	9:00	0	0	0
9:15	0	1	0	0		9:15	0	0	
9:30	0	0	0	0		9:30	0	0	
9:45	0	0	1	1		9:45	0	0	
10:00	0	0	0	0	2	10:00	0	0	0
10:15	1	1	0	0		10:15	0	0	
10:30	0	0	0	0		10:30	0	0	
10:45	0	0	0	0		10:45	0	0	
11:00	0	0	0	0	1	11:00	0	0	0
11:15	0	0	0	0		11:15	0	0	
11:30	0	0	0	0		11:30	0	0	
11:45	1	0	0	0		11:45	0	0	
12:00	0	1	0	0	1	12:00	0	0	0
12:15	0	0	0	0		12:15	0	0	
12:30	0	0	0	0		12:30	0	0	
12:45	0	0	0	0		12:45	0	0	
13:00	0	0	0	0	1	13:00	0	0	0
13:15	0	0	0	0		13:15	0	0	
13:30	0	0	0	0		13:30	0	0	
13:45	1	0	0	0		13:45	0	0	
14:00	0	0	0	0	1	14:00	0	0	0
14:15	0	0	0	0		14:15	0	0	
14:30	0	1	0	0		14:30	0	0	
14:45	0	0	0	0		14:45	0	0	
15:00	0	0	0	0	3	15:00	0	0	0
15:15	0	0	0	0		15:15	0	0	
15:30	1	0	0	0		15:30	0	0	
15:45	2	0	0	0		15:45	0	0	
16:00	0	0	0	0	2	16:00	0	0	0
16:15	0	1	0	0		16:15	0	0	
16:30	0	1	0	0		16:30	0	0	
16:45	0	0	0	0		16:45	0	0	
17:00	0	0	0	0	1	17:00	0	0	0
17:15	1	0	0	0		17:15	0	0	
17:30	0	0	0	0		17:30	0	0	
17:45	0	0	0	0		17:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
18:00	0	0	0	0	1	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	1	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HR TOTAL	**10**	**10**	**4**	**5**	**29**	**24-HR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total
0:00	0	0	0	0	0
0:15	0	0	0	0	
0:30	0	0	0	0	
0:45	0	0	0	0	
1:00	0	0	0	0	0
1:15	0	0	0	0	
1:30	0	0	0	0	
1:45	0	0	0	0	
2:00	0	0	0	0	0
2:15	0	0	0	0	
2:30	0	0	0	0	
2:45	0	0	0	0	
3:00	0	0	0	0	0
3:15	0	0	0	0	
3:30	0	0	0	0	
3:45	0	0	0	0	
4:00	0	0	0	0	1
4:15	0	0	0	0	
4:30	0	0	0	0	
4:45	0	1	0	0	
5:00	0	0	0	0	0
5:15	0	0	0	0	
5:30	0	0	0	0	
5:45	0	0	0	0	
6:00	0	0	0	0	1
6:15	0	0	0	0	
6:30	0	0	0	0	
6:45	0	0	1	0	
7:00	0	0	0	1	3
7:15	0	0	0	0	
7:30	0	0	0	0	
7:45	0	0	1	1	
8:00	1	1	0	0	8
8:15	0	0	0	0	
8:30	1	0	1	0	
8:45	2	1	0	1	

Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
0:00	0	0	0
0:15	0	0	
0:30	0	0	
0:45	0	0	
1:00	0	0	0
1:15	0	0	
1:30	0	0	
1:45	0	0	
2:00	0	0	0
2:15	0	0	
2:30	0	0	
2:45	0	0	
3:00	0	0	0
3:15	0	0	
3:30	0	0	
3:45	0	0	
4:00	0	0	0
4:15	0	0	
4:30	0	0	
4:45	0	0	
5:00	0	0	0
5:15	0	0	
5:30	0	0	
5:45	0	0	
6:00	0	0	0
6:15	0	0	
6:30	0	0	
6:45	0	0	
7:00	0	0	0
7:15	0	0	
7:30	0	0	
7:45	0	0	
8:00	0	0	0
8:15	0	0	
8:30	0	0	
8:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total
9:00	0	1	1	0	5
9:15	0	0	0	1	
9:30	1	0	0	0	
9:45	0	1	0	0	
10:00	1	0	0	0	1
10:15	0	0	0	0	
10:30	0	0	0	0	
10:45	0	0	0	0	
11:00	0	0	0	0	2
11:15	0	0	0	0	
11:30	0	1	0	0	
11:45	0	1	0	0	
12:00	1	0	0	0	3
12:15	1	0	0	0	
12:30	0	0	0	0	
12:45	0	1	0	0	
13:00	0	0	0	0	2
13:15	0	0	0	0	
13:30	0	0	0	0	
13:45	2	0	0	0	
14:00	0	0	0	0	2
14:15	0	0	0	0	
14:30	0	0	0	0	
14:45	1	0	1	0	
15:00	0	0	0	0	2
15:15	0	0	0	0	
15:30	0	0	0	0	
15:45	0	1	0	1	
16:00	0	0	0	0	0
16:15	0	0	0	0	
16:30	0	0	0	0	
16:45	0	0	0	0	
17:00	0	0	0	0	2
17:15	1	0	0	0	
17:30	0	0	0	0	
17:45	0	1	0	0	

Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	0
13:15	0	0	
13:30	0	0	
13:45	0	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
18:00	0	1	0	0	1	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**12**	**11**	**5**	**5**	**33**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total
0:00	0	0	0	0	0
0:15	0	0	0	0	
0:30	0	0	0	0	
0:45	0	0	0	0	
1:00	0	0	0	0	0
1:15	0	0	0	0	
1:30	0	0	0	0	
1:45	0	0	0	0	
2:00	0	0	0	0	0
2:15	0	0	0	0	
2:30	0	0	0	0	
2:45	0	0	0	0	
3:00	0	0	0	0	0
3:15	0	0	0	0	
3:30	0	0	0	0	
3:45	0	0	0	0	
4:00	0	0	0	0	1
4:15	0	0	0	0	
4:30	0	0	0	0	
4:45	0	1	0	0	
5:00	0	0	0	0	0
5:15	0	0	0	0	
5:30	0	0	0	0	
5:45	0	0	0	0	
6:00	0	0	0	0	5
6:15	0	0	0	0	
6:30	2	0	1	0	
6:45	1	0	0	1	
7:00	1	0	1	0	7
7:15	0	1	1	0	
7:30	0	0	0	1	
7:45	2	0	0	0	
8:00	0	0	0	0	7
8:15	3	0	0	0	
8:30	1	0	0	0	
8:45	1	1	1	0	

Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
0:00	0	0	0
0:15	0	0	
0:30	0	0	
0:45	0	0	
1:00	0	0	0
1:15	0	0	
1:30	0	0	
1:45	0	0	
2:00	0	0	0
2:15	0	0	
2:30	0	0	
2:45	0	0	
3:00	0	0	0
3:15	0	0	
3:30	0	0	
3:45	0	0	
4:00	0	0	0
4:15	0	0	
4:30	0	0	
4:45	0	0	
5:00	0	0	0
5:15	0	0	
5:30	0	0	
5:45	0	0	
6:00	0	0	0
6:15	0	0	
6:30	0	0	
6:45	0	0	
7:00	0	0	0
7:15	0	0	
7:30	0	0	
7:45	0	0	
8:00	0	0	0
8:15	0	0	
8:30	0	0	
8:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total
9:00	2	0	0	1	10
9:15	0	1	0	0	
9:30	1	1	1	1	
9:45	0	2	0	0	
10:00	2	1	0	0	6
10:15	0	0	0	0	
10:30	0	0	0	1	
10:45	0	2	0	0	
11:00	0	0	1	0	4
11:15	1	0	1	0	
11:30	0	0	0	0	
11:45	0	0	0	1	
12:00	1	1	0	0	5
12:15	0	1	0	0	
12:30	0	0	0	1	
12:45	1	0	0	0	
13:00	1	1	1	1	15
13:15	1	1	2	2	
13:30	1	0	1	2	
13:45	0	1	0	0	
14:00	0	0	0	0	4
14:15	1	0	0	0	
14:30	0	0	0	0	
14:45	0	3	0	0	
15:00	1	3	1	0	10
15:15	1	1	0	0	
15:30	0	0	0	0	
15:45	2	0	0	1	
16:00	1	1	0	0	5
16:15	0	1	1	0	
16:30	0	0	0	0	
16:45	1	0	0	0	
17:00	0	1	0	1	5
17:15	0	0	0	0	
17:30	1	1	0	0	
17:45	0	1	0	0	

Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	0
13:15	0	0	
13:30	0	0	
13:45	0	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
18:00	0	0	0	0	0	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	1	0	0	1	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**30**	**28**	**13**	**14**	**85**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	1	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	1	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	1	0	6	6:00	0	0	0
6:15	0	0	0	1		6:15	0	0	
6:30	1	0	0	0		6:30	0	0	
6:45	2	0	1	0		6:45	0	0	
7:00	2	0	0	1	5	7:00	0	0	0
7:15	0	0	0	0		7:15	0	0	
7:30	0	0	0	1		7:30	0	0	
7:45	0	0	1	0		7:45	0	0	
8:00	0	0	0	0	5	8:00	0	0	0
8:15	3	0	0	0		8:15	0	0	
8:30	0	1	0	0		8:30	0	0	
8:45	1	0	0	0		8:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
9:00	0	0	1	1	8	9:00	0	0	0
9:15	1	0	1	1		9:15	0	0	
9:30	2	0	0	0		9:30	0	0	
9:45	0	0	1	0		9:45	0	0	
10:00	0	0	0	1	6	10:00	0	0	0
10:15	0	2	0	0		10:15	0	0	
10:30	1	0	0	0		10:30	0	0	
10:45	1	0	0	1		10:45	0	0	
11:00	1	0	0	0	6	11:00	0	0	0
11:15	1	0	0	1		11:15	0	0	
11:30	0	1	0	0		11:30	0	0	
11:45	0	2	0	0		11:45	0	0	
12:00	0	0	0	0	4	12:00	0	0	0
12:15	1	1	0	0		12:15	0	0	
12:30	0	0	0	0		12:30	0	0	
12:45	0	1	1	0		12:45	0	0	
13:00	1	0	0	1	7	13:00	0	0	0
13:15	2	1	0	0		13:15	0	0	
13:30	1	0	0	0		13:30	0	0	
13:45	0	0	1	0		13:45	0	0	
14:00	1	0	0	0	6	14:00	0	0	0
14:15	1	0	0	0		14:15	0	0	
14:30	0	1	0	0		14:30	0	0	
14:45	1	1	0	1		14:45	0	0	
15:00	0	0	0	0	6	15:00	0	0	0
15:15	0	1	0	0		15:15	0	0	
15:30	1	0	1	0		15:30	0	0	
15:45	2	1	0	0		15:45	0	0	
16:00	0	8	0	0	12	16:00	0	0	0
16:15	1	1	0	0		16:15	0	0	
16:30	0	0	1	0		16:30	0	0	
16:45	1	0	0	0		16:45	0	0	
17:00	0	2	0	1	7	17:00	0	0	0
17:15	0	0	0	0		17:15	0	0	
17:30	1	2	0	0		17:30	0	0	
17:45	1	0	0	0		17:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
18:00	0	1	0	0	3	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	2	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	1	19:00	0	0	0
19:15	1	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**32**	**30**	**10**	**11**	**83**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	0	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	0	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	1	0	9	6:00	0	0	0
6:15	0	0	0	1		6:15	0	0	
6:30	2	0	0	0		6:30	0	0	
6:45	3	1	1	0		6:45	0	0	
7:00	0	0	0	1	3	7:00	0	0	0
7:15	0	0	0	0		7:15	0	0	
7:30	0	0	1	0		7:30	0	0	
7:45	0	0	0	1		7:45	0	0	
8:00	0	0	0	0	3	8:00	0	0	0
8:15	1	0	1	0		8:15	0	0	
8:30	0	0	0	1		8:30	0	0	
8:45	0	0	0	0		8:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
9:00	0	0	0	0	4	9:00	0	0	0
9:15	2	0	0	0		9:15	0	0	
9:30	0	0	0	0		9:30	0	0	
9:45	0	1	1	0		9:45	0	0	
10:00	0	0	0	0	1	10:00	0	0	0
10:15	0	0	0	0		10:15	0	0	
10:30	0	0	0	1		10:30	0	0	
10:45	0	0	0	0		10:45	0	0	
11:00	0	0	0	0	3	11:00	0	0	0
11:15	0	0	0	0		11:15	0	0	
11:30	0	3	0	0		11:30	0	0	
11:45	0	0	0	0		11:45	0	0	
12:00	1	0	0	0	1	12:00	0	0	0
12:15	0	0	0	0		12:15	0	0	
12:30	0	0	0	0		12:30	0	0	
12:45	0	0	0	0		12:45	0	0	
13:00	0	0	0	0	2	13:00	0	0	1
13:15	1	0	0	0		13:15	0	0	
13:30	0	0	0	0		13:30	0	0	
13:45	0	1	0	0		13:45	1	0	
14:00	0	0	0	0	5	14:00	0	0	0
14:15	1	2	0	0		14:15	0	0	
14:30	1	0	0	0		14:30	0	0	
14:45	1	0	0	0		14:45	0	0	
15:00	1	3	0	0	6	15:00	0	0	0
15:15	0	1	0	0		15:15	0	0	
15:30	0	0	0	0		15:30	0	0	
15:45	0	0	1	0		15:45	0	0	
16:00	0	0	0	0	2	16:00	0	0	0
16:15	0	0	0	0		16:15	0	0	
16:30	0	0	0	0		16:30	0	0	
16:45	0	1	0	1		16:45	0	0	
17:00	0	0	0	0	0	17:00	0	0	0
17:15	0	0	0	0		17:15	0	0	
17:30	0	0	0	0		17:30	0	0	
17:45	0	0	0	0		17:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
18:00	0	0	0	0	0	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	1	22:00	0	0	0
22:15	0	1	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**14**	**14**	**6**	**6**	**40**	**24-HOUR TOTAL**	**1**	**0**	**1**

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	0	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	0	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	0	0	4	6:00	0	0	0
6:15	0	0	1	1		6:15	0	0	
6:30	1	0	0	0		6:30	0	0	
6:45	0	1	0	0		6:45	0	0	
7:00	0	0	0	0	2	7:00	0	0	0
7:15	0	0	0	0		7:15	0	0	
7:30	0	0	1	0		7:30	0	0	
7:45	0	0	0	1		7:45	0	0	
8:00	0	0	0	0	1	8:00	0	0	0
8:15	0	0	0	0		8:15	0	0	
8:30	0	0	0	0		8:30	0	0	
8:45	0	0	1	0		8:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
9:00	0	0	0	1	6	9:00	0	0	0
9:15	0	0	1	0		9:15	0	0	
9:30	0	0	1	0		9:30	0	0	
9:45	0	0	1	2		9:45	0	0	
10:00	0	0	0	0	0	10:00	0	0	0
10:15	0	0	0	0		10:15	0	0	
10:30	0	0	0	0		10:30	0	0	
10:45	0	0	0	0		10:45	0	0	
11:00	0	0	0	0	1	11:00	0	0	0
11:15	0	0	0	0		11:15	0	0	
11:30	0	0	0	0		11:30	0	0	
11:45	1	0	0	0		11:45	0	0	
12:00	0	0	0	0	2	12:00	0	0	0
12:15	0	1	0	0		12:15	0	0	
12:30	0	0	0	0		12:30	0	0	
12:45	1	0	0	0		12:45	0	0	
13:00	0	0	0	0	1	13:00	0	0	0
13:15	0	0	0	0		13:15	0	0	
13:30	0	1	0	0		13:30	0	0	
13:45	0	0	0	0		13:45	0	0	
14:00	0	1	0	0	2	14:00	0	0	0
14:15	0	0	0	0		14:15	0	0	
14:30	1	0	0	0		14:30	0	0	
14:45	0	0	0	0		14:45	0	0	
15:00	0	1	0	0	1	15:00	0	0	0
15:15	0	0	0	0		15:15	0	0	
15:30	0	0	0	0		15:30	0	0	
15:45	0	0	0	0		15:45	0	0	
16:00	1	0	0	0	4	16:00	0	0	0
16:15	1	1	0	0		16:15	0	0	
16:30	0	0	0	0		16:30	0	0	
16:45	1	0	0	0		16:45	0	0	
17:00	0	1	0	0	4	17:00	0	0	0
17:15	0	0	0	0		17:15	0	0	
17:30	0	0	0	0		17:30	0	0	
17:45	2	1	0	0		17:45	0	0	

idax DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
18:00	0	0	0	0	0	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**9**	**8**	**6**	**5**	**28**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	0	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	0	0	0	0		3:45	0	0	
4:00	0	0	0	0	1	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	0	1	0	0		4:45	0	0	
5:00	0	0	0	0	0	5:00	0	0	0
5:15	0	0	0	0		5:15	0	0	
5:30	0	0	0	0		5:30	0	0	
5:45	0	0	0	0		5:45	0	0	
6:00	0	0	0	0	5	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	1	0	0	0		6:30	0	0	
6:45	4	0	0	0		6:45	0	0	
7:00	1	0	0	0	5	7:00	0	0	0
7:15	0	0	0	0		7:15	0	0	
7:30	0	0	1	0		7:30	0	0	
7:45	2	0	0	1		7:45	0	0	
8:00	0	0	2	0	7	8:00	0	0	0
8:15	1	0	0	0		8:15	0	0	
8:30	0	1	0	0		8:30	0	0	
8:45	0	0	1	2		8:45	0	0	

DATA SOLUTIONS

Location: CR 19_N-O CR Y
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
9:00	0	0	1	0	8	9:00	0	0	0
9:15	0	0	1	0		9:15	0	0	
9:30	0	1	1	2		9:30	0	0	
9:45	1	0	0	1		9:45	0	0	
10:00	0	0	1	1	9	10:00	0	0	0
10:15	1	0	0	1		10:15	0	0	
10:30	1	1	2	0		10:30	0	0	
10:45	0	0	1	0		10:45	0	0	
11:00	0	1	0	0	5	11:00	0	0	0
11:15	0	1	1	0		11:15	0	0	
11:30	0	0	0	1		11:30	0	0	
11:45	1	0	0	0		11:45	0	0	
12:00	0	0	0	2	5	12:00	0	0	0
12:15	1	2	0	0		12:15	0	0	
12:30	0	0	0	0		12:30	0	0	
12:45	0	0	0	0		12:45	0	0	
13:00	2	0	0	0	7	13:00	0	0	0
13:15	0	2	0	0		13:15	0	0	
13:30	1	0	0	1		13:30	0	0	
13:45	1	0	0	0		13:45	0	0	
14:00	1	1	0	0	9	14:00	0	0	0
14:15	1	0	0	0		14:15	0	0	
14:30	0	1	0	0		14:30	0	0	
14:45	1	4	0	0		14:45	0	0	
15:00	1	0	0	0	4	15:00	0	0	0
15:15	0	1	0	0		15:15	0	0	
15:30	1	0	0	0		15:30	0	0	
15:45	0	1	0	0		15:45	0	0	
16:00	0	1	0	0	3	16:00	0	0	0
16:15	0	1	0	0		16:15	0	0	
16:30	0	0	0	0		16:30	0	0	
16:45	0	1	0	0		16:45	0	0	
17:00	0	0	0	0	2	17:00	0	0	0
17:15	1	0	0	0		17:15	0	0	
17:30	0	0	0	0		17:30	0	0	
17:45	0	1	0	0		17:45	0	0	

Location: CR 19_N-O CR Y
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 2

Time	Light Vehicles Volume NB	Light Vehicles Volume SB	Heavy Vehicles Volume NB	Heavy Vehicles Volume SB	Total	Time	Bikes on Road Volume NB	Bikes on Road Volume SB	Total
18:00	0	0	0	0	0	18:00	0	0	0
18:15	0	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	0	0	0		18:45	0	0	
19:00	0	0	0	0	0	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	0	0	0	0	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	0	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	0	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	0	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	0	0	0	0		22:45	0	0	
23:00	0	0	0	0	0	23:00	0	0	0
23:15	0	0	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**24**	**22**	**12**	**12**	**70**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	2	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	2	0	0	0		3:45	0	0	
4:00	0	0	0	0	3	4:00	0	0	0
4:15	1	0	0	0		4:15	0	0	
4:30	1	0	0	0		4:30	0	0	
4:45	1	0	0	0		4:45	0	0	
5:00	3	1	0	0	16	5:00	0	0	0
5:15	6	1	0	0		5:15	0	0	
5:30	3	0	0	0		5:30	0	0	
5:45	1	1	0	0		5:45	0	0	
6:00	0	0	0	0	4	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	0	0	0	0		6:30	0	0	
6:45	1	2	1	0		6:45	0	0	
7:00	1	3	1	0	14	7:00	0	0	0
7:15	0	2	0	0		7:15	0	0	
7:30	0	3	1	1		7:30	0	0	
7:45	0	2	0	0		7:45	0	0	
8:00	2	1	1	0	14	8:00	0	0	0
8:15	2	2	1	1		8:15	0	0	
8:30	2	0	0	1		8:30	0	0	
8:45	1	0	0	0		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
9:00	2	0	0	0	7
9:15	0	0	0	0	
9:30	2	0	0	1	
9:45	1	1	0	0	
10:00	0	2	1	1	14
10:15	1	1	2	0	
10:30	0	1	2	0	
10:45	1	1	0	1	
11:00	1	2	1	0	14
11:15	0	2	1	1	
11:30	1	1	0	1	
11:45	0	2	0	1	
12:00	0	0	0	0	12
12:15	0	1	1	1	
12:30	0	3	1	0	
12:45	1	2	1	1	
13:00	1	1	1	1	12
13:15	1	2	0	0	
13:30	1	0	2	0	
13:45	1	1	0	0	
14:00	4	1	2	0	21
14:15	0	3	0	0	
14:30	1	2	0	0	
14:45	4	1	1	2	
15:00	2	0	0	1	19
15:15	1	2	0	1	
15:30	1	4	0	0	
15:45	0	6	1	0	
16:00	6	1	1	1	19
16:15	1	3	0	0	
16:30	2	0	0	1	
16:45	1	2	0	0	
17:00	1	1	0	0	8
17:15	1	1	0	0	
17:30	1	1	0	0	
17:45	2	0	0	0	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	0
13:15	0	0	
13:30	0	0	
13:45	0	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/18/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
18:00	0	0	0	0	5
18:15	2	1	0	0	
18:30	0	1	0	0	
18:45	1	0	0	0	
19:00	0	0	0	0	0
19:15	0	0	0	0	
19:30	0	0	0	0	
19:45	0	0	0	0	
20:00	1	0	0	0	3
20:15	0	2	0	0	
20:30	0	0	0	0	
20:45	0	0	0	0	
21:00	0	0	0	1	3
21:15	0	0	1	0	
21:30	0	0	0	0	
21:45	0	1	0	0	
22:00	0	0	0	0	5
22:15	0	0	0	0	
22:30	1	1	0	1	
22:45	2	0	0	0	
23:00	0	0	0	0	5
23:15	1	1	0	0	
23:30	0	1	0	0	
23:45	0	2	0	0	
24-HR TOTAL	**77**	**79**	**24**	**20**	**200**

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0
18:15	0	0	
18:30	0	0	
18:45	0	0	
19:00	0	0	0
19:15	0	0	
19:30	0	0	
19:45	0	0	
20:00	0	0	0
20:15	0	0	
20:30	0	0	
20:45	0	0	
21:00	0	0	0
21:15	0	0	
21:30	0	0	
21:45	0	0	
22:00	0	0	0
22:15	0	0	
22:30	0	0	
22:45	0	0	
23:00	0	0	0
23:15	0	0	
23:30	0	0	
23:45	0	0	
24-HR TOTAL	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
0:00	0	0	0	0	1
0:15	0	0	0	0	
0:30	1	0	0	0	
0:45	0	0	0	0	
1:00	0	0	0	0	0
1:15	0	0	0	0	
1:30	0	0	0	0	
1:45	0	0	0	0	
2:00	0	0	0	0	2
2:15	0	1	0	0	
2:30	0	1	0	0	
2:45	0	0	0	0	
3:00	0	0	0	0	3
3:15	0	0	0	0	
3:30	1	0	0	0	
3:45	1	1	0	0	
4:00	0	0	0	0	5
4:15	2	0	0	0	
4:30	2	0	0	0	
4:45	1	0	0	0	
5:00	2	2	0	0	12
5:15	3	0	0	0	
5:30	4	0	0	0	
5:45	0	0	0	1	
6:00	0	1	0	0	5
6:15	0	1	0	0	
6:30	0	0	0	0	
6:45	2	1	0	0	
7:00	1	3	1	0	17
7:15	0	4	1	1	
7:30	1	2	0	0	
7:45	2	1	0	0	
8:00	0	0	1	0	5
8:15	0	0	0	1	
8:30	1	2	0	0	
8:45	0	0	0	0	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0
0:15	0	0	
0:30	0	0	
0:45	0	0	
1:00	0	0	0
1:15	0	0	
1:30	0	0	
1:45	0	0	
2:00	0	0	0
2:15	0	0	
2:30	0	0	
2:45	0	0	
3:00	0	0	0
3:15	0	0	
3:30	0	0	
3:45	0	0	
4:00	0	0	0
4:15	0	0	
4:30	0	0	
4:45	0	0	
5:00	0	0	0
5:15	0	0	
5:30	0	0	
5:45	0	0	
6:00	0	0	0
6:15	0	0	
6:30	0	0	
6:45	0	0	
7:00	0	0	0
7:15	0	0	
7:30	0	0	
7:45	0	0	
8:00	0	0	0
8:15	0	0	
8:30	0	0	
8:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total
9:00	1	2	1	1	13
9:15	0	1	0	0	
9:30	3	0	0	0	
9:45	1	2	0	1	
10:00	0	1	0	0	9
10:15	1	0	1	0	
10:30	0	0	0	1	
10:45	3	0	1	1	
11:00	2	1	2	0	20
11:15	2	1	1	0	
11:30	2	2	1	0	
11:45	1	4	0	1	
12:00	2	1	1	1	11
12:15	1	1	0	0	
12:30	0	2	0	0	
12:45	0	0	2	0	
13:00	2	0	1	1	17
13:15	2	1	0	0	
13:30	1	2	2	1	
13:45	1	0	2	1	
14:00	1	3	0	0	16
14:15	1	0	0	1	
14:30	1	0	0	2	
14:45	5	1	1	0	
15:00	2	3	0	0	20
15:15	1	4	0	0	
15:30	4	3	0	0	
15:45	1	2	0	0	
16:00	2	4	0	1	18
16:15	4	3	0	0	
16:30	0	2	1	0	
16:45	0	1	0	0	
17:00	3	4	0	0	15
17:15	0	1	0	0	
17:30	1	2	0	0	
17:45	2	2	0	0	

Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	0	0
9:15	0	0	
9:30	0	0	
9:45	0	0	
10:00	0	0	0
10:15	0	0	
10:30	0	0	
10:45	0	0	
11:00	0	0	0
11:15	0	0	
11:30	0	0	
11:45	0	0	
12:00	0	0	0
12:15	0	0	
12:30	0	0	
12:45	0	0	
13:00	0	0	0
13:15	0	0	
13:30	0	0	
13:45	0	0	
14:00	0	0	0
14:15	0	0	
14:30	0	0	
14:45	0	0	
15:00	0	0	0
15:15	0	0	
15:30	0	0	
15:45	0	0	
16:00	0	0	0
16:15	0	0	
16:30	0	0	
16:45	0	0	
17:00	0	0	0
17:15	0	0	
17:30	0	0	
17:45	0	0	

Location: CR Y_E-O CR 18
Date: 02/19/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	2	0	0	7	18:00	0	0	0
18:15	1	1	0	0		18:15	0	0	
18:30	1	0	0	0		18:30	0	0	
18:45	1	1	0	0		18:45	0	0	
19:00	0	1	0	0	8	19:00	0	0	0
19:15	1	2	0	0		19:15	0	0	
19:30	3	0	0	0		19:30	0	0	
19:45	1	0	0	0		19:45	0	0	
20:00	0	0	0	0	6	20:00	0	0	0
20:15	1	2	0	0		20:15	0	0	
20:30	1	0	0	1		20:30	0	0	
20:45	1	0	0	0		20:45	0	0	
21:00	1	0	0	0	1	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	0	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	1	0	0	0	4	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	1	0	0	0		22:30	0	0	
22:45	2	0	0	0		22:45	0	0	
23:00	1	3	1	0	6	23:00	0	0	0
23:15	0	1	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	94	89	21	17	221	24-HOUR TOTAL	0	0	0

Location: CR Y_E-O CR 18
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	1	1	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	2	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	1	0	0	0		3:30	0	0	
3:45	1	0	0	0		3:45	0	0	
4:00	0	0	0	0	3	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	2	0	0	0		4:30	0	0	
4:45	1	0	0	0		4:45	0	0	
5:00	3	2	0	0	13	5:00	0	0	0
5:15	3	1	0	0		5:15	0	0	
5:30	2	0	0	0		5:30	0	0	
5:45	1	1	0	0		5:45	0	0	
6:00	1	0	0	0	11	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	3	2	0	0		6:30	0	0	
6:45	3	2	0	0		6:45	0	0	
7:00	2	2	2	0	22	7:00	0	0	0
7:15	1	5	0	0		7:15	0	0	
7:30	1	1	0	1		7:30	0	0	
7:45	3	3	1	0		7:45	0	0	
8:00	0	1	1	0	11	8:00	0	0	0
8:15	3	1	0	0		8:15	0	0	
8:30	2	1	0	1		8:30	0	0	
8:45	0	1	0	0		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	2	0	1	0	18	9:00	0	0	0
9:15	0	1	1	2		9:15	0	0	
9:30	2	1	4	0		9:30	0	0	
9:45	0	2	1	1		9:45	0	0	
10:00	3	3	0	1	18	10:00	0	0	0
10:15	1	1	1	1		10:15	0	0	
10:30	3	0	0	1		10:30	0	0	
10:45	0	3	0	0		10:45	0	0	
11:00	0	0	3	1	19	11:00	0	0	0
11:15	2	1	1	1		11:15	0	0	
11:30	2	1	1	2		11:30	0	0	
11:45	2	0	1	1		11:45	0	0	
12:00	1	2	0	0	18	12:00	0	0	0
12:15	1	2	2	1		12:15	0	0	
12:30	0	2	0	0		12:30	0	0	
12:45	1	1	3	2		12:45	0	0	
13:00	0	3	2	2	22	13:00	0	0	0
13:15	2	2	2	0		13:15	0	0	
13:30	2	2	0	1		13:30	0	0	
13:45	0	1	1	2		13:45	0	0	
14:00	1	1	0	0	21	14:00	0	0	0
14:15	4	0	3	0		14:15	0	0	
14:30	2	1	0	0		14:30	0	0	
14:45	4	4	0	1		14:45	0	0	
15:00	1	3	0	1	21	15:00	0	0	0
15:15	0	3	1	0		15:15	0	0	
15:30	3	4	0	1		15:30	0	0	
15:45	2	1	1	0		15:45	0	0	
16:00	2	1	1	0	13	16:00	0	0	0
16:15	3	3	1	0		16:15	0	0	
16:30	0	1	0	0		16:30	0	0	
16:45	0	1	0	0		16:45	0	0	
17:00	1	4	0	0	12	17:00	0	0	0
17:15	1	4	0	0		17:15	0	0	
17:30	0	1	0	0		17:30	0	0	
17:45	0	1	0	0		17:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/20/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	0	0	0	6	18:00	0	0	0
18:15	1	2	0	0		18:15	0	0	
18:30	1	0	0	0		18:30	0	0	
18:45	2	0	0	0		18:45	0	0	
19:00	0	0	0	0	2	19:00	0	0	0
19:15	0	0	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	2	0	0	0		19:45	0	0	
20:00	0	1	0	0	4	20:00	0	0	0
20:15	0	1	0	0		20:15	0	0	
20:30	0	2	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	1	0	3	21:00	0	0	0
21:15	1	0	0	0		21:15	0	0	
21:30	1	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	2	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	0	0		22:30	0	0	
22:45	2	0	0	0		22:45	0	0	
23:00	1	1	0	1	7	23:00	0	0	0
23:15	0	2	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	2	0	0	0		23:45	0	0	
24-HOUR TOTAL	**94**	**93**	**36**	**26**	**249**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	4	3:00	0	0	0
3:15	1	0	0	0		3:15	0	0	
3:30	1	1	0	0		3:30	0	0	
3:45	1	0	0	0		3:45	0	0	
4:00	0	0	0	0	2	4:00	0	0	0
4:15	1	0	0	0		4:15	0	0	
4:30	1	0	0	0		4:30	0	0	
4:45	0	0	0	0		4:45	0	0	
5:00	3	1	0	0	15	5:00	0	0	0
5:15	5	0	0	0		5:15	0	0	
5:30	3	1	0	0		5:30	0	0	
5:45	1	1	0	0		5:45	0	0	
6:00	0	0	0	0	8	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	1	0	0	0		6:30	0	0	
6:45	4	2	1	0		6:45	0	0	
7:00	4	3	3	0	20	7:00	0	0	0
7:15	0	3	0	0		7:15	0	0	
7:30	1	1	0	1		7:30	0	0	
7:45	0	2	1	1		7:45	0	0	
8:00	1	0	2	0	21	8:00	0	0	0
8:15	2	3	1	0		8:15	0	0	
8:30	0	2	1	2		8:30	0	0	
8:45	1	1	4	1		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	2	0	1	3	19	9:00	0	0	0
9:15	0	0	2	1		9:15	0	0	
9:30	5	0	1	1		9:30	0	0	
9:45	0	1	1	1		9:45	0	0	
10:00	0	1	2	1	20	10:00	0	0	0
10:15	2	3	2	0		10:15	0	0	
10:30	0	1	3	0		10:30	0	0	
10:45	1	1	1	2		10:45	0	0	
11:00	2	0	1	3	22	11:00	0	0	0
11:15	2	0	2	2		11:15	0	0	
11:30	1	2	2	1		11:30	0	0	
11:45	1	3	0	0		11:45	0	0	
12:00	1	1	0	1	19	12:00	0	0	0
12:15	0	1	0	0		12:15	0	0	
12:30	0	5	2	2		12:30	0	0	
12:45	0	1	5	0		12:45	0	0	
13:00	1	2	0	0	21	13:00	0	0	0
13:15	2	0	4	1		13:15	0	0	
13:30	3	2	1	5		13:30	0	0	
13:45	0	0	0	0		13:45	0	0	
14:00	2	1	1	1	16	14:00	0	0	0
14:15	2	2	0	0		14:15	0	0	
14:30	2	1	1	0		14:30	0	0	
14:45	3	0	0	0		14:45	0	0	
15:00	3	2	1	1	32	15:00	0	0	0
15:15	3	3	1	1		15:15	0	0	
15:30	2	2	1	2		15:30	0	0	
15:45	0	9	0	1		15:45	0	0	
16:00	2	11	0	0	28	16:00	0	0	0
16:15	3	4	0	0		16:15	0	0	
16:30	1	2	0	0		16:30	0	0	
16:45	2	3	0	0		16:45	0	0	
17:00	2	1	0	0	10	17:00	0	0	0
17:15	1	0	0	0		17:15	0	0	
17:30	0	2	0	0		17:30	0	0	
17:45	2	2	0	0		17:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/21/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	1	2	0	0	12	18:00	0	0	0
18:15	3	0	0	0		18:15	0	0	
18:30	4	1	0	0		18:30	0	0	
18:45	0	1	0	0		18:45	0	0	
19:00	3	2	0	0	9	19:00	0	0	0
19:15	1	1	0	0		19:15	0	0	
19:30	1	1	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	2	2	0	0	7	20:00	0	0	0
20:15	1	0	0	0		20:15	0	0	
20:30	0	1	1	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	0	0	0	0	3	21:00	0	0	0
21:15	1	1	0	0		21:15	0	0	
21:30	1	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	5	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	0	0	1	1		22:30	0	0	
22:45	3	0	0	0		22:45	0	0	
23:00	2	0	0	0	8	23:00	0	0	0
23:15	0	4	0	0		23:15	0	0	
23:30	1	0	0	0		23:30	0	0	
23:45	1	0	0	0		23:45	0	0	
24-HOUR TOTAL	**109**	**106**	**50**	**36**	**301**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	1	0:00	0	0	0
0:15	0	0	0	1		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	1	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	1	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	1	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	1	0	0	0		3:45	0	0	
4:00	0	0	0	0	4	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	3	0	0	0		4:30	0	0	
4:45	0	1	0	0		4:45	0	0	
5:00	3	0	0	0	11	5:00	0	0	0
5:15	1	1	0	0		5:15	0	0	
5:30	3	0	0	0		5:30	0	0	
5:45	1	1	1	0		5:45	0	0	
6:00	1	0	0	0	15	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	4	1	1	2		6:30	0	0	
6:45	4	2	0	0		6:45	0	0	
7:00	1	0	1	0	13	7:00	0	0	0
7:15	0	1	1	1		7:15	0	0	
7:30	1	6	0	0		7:30	0	0	
7:45	0	0	0	1		7:45	0	0	
8:00	1	0	0	0	4	8:00	0	0	0
8:15	0	0	0	2		8:15	0	0	
8:30	0	0	0	0		8:30	0	0	
8:45	0	1	0	0		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	0	2	1	0	10	9:00	0	0	0
9:15	1	0	1	0		9:15	0	0	
9:30	0	2	0	0		9:30	0	0	
9:45	2	0	1	0		9:45	0	0	
10:00	1	0	0	2	15	10:00	0	0	0
10:15	0	3	0	2		10:15	0	0	
10:30	2	1	1	1		10:30	0	0	
10:45	2	0	0	0		10:45	0	0	
11:00	1	1	0	1	15	11:00	0	0	0
11:15	0	1	1	0		11:15	0	0	
11:30	1	5	2	0		11:30	0	0	
11:45	1	1	0	0		11:45	0	0	
12:00	2	1	0	4	20	12:00	0	0	0
12:15	2	3	0	0		12:15	0	0	
12:30	1	2	0	0		12:30	0	0	
12:45	1	1	1	2		12:45	0	0	
13:00	0	0	0	0	14	13:00	0	0	0
13:15	1	2	2	2		13:15	0	0	
13:30	0	0	1	0		13:30	0	0	
13:45	1	4	0	1		13:45	0	0	
14:00	2	1	0	1	16	14:00	0	0	0
14:15	1	1	1	0		14:15	0	0	
14:30	1	1	0	0		14:30	0	0	
14:45	6	0	0	1		14:45	0	0	
15:00	3	4	0	0	26	15:00	0	0	0
15:15	0	6	2	0		15:15	0	0	
15:30	1	6	1	1		15:30	0	0	
15:45	1	1	0	0		15:45	0	0	
16:00	3	1	1	2	23	16:00	0	0	0
16:15	3	3	0	1		16:15	0	0	
16:30	1	3	0	0		16:30	0	0	
16:45	1	3	0	1		16:45	0	0	
17:00	1	1	0	1	10	17:00	0	0	0
17:15	0	0	1	0		17:15	0	0	
17:30	2	1	1	0		17:30	0	0	
17:45	1	1	0	0		17:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/22/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	0	4	0	0	9	18:00	0	0	0
18:15	3	0	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	2	0	0		18:45	0	0	
19:00	1	1	0	0	4	19:00	0	0	0
19:15	0	1	0	0		19:15	0	0	
19:30	0	0	0	0		19:30	0	0	
19:45	1	0	0	0		19:45	0	0	
20:00	0	1	0	0	4	20:00	0	0	0
20:15	1	1	0	0		20:15	0	0	
20:30	0	1	0	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	1	1	0	0	5	21:00	0	0	0
21:15	1	0	0	0		21:15	0	0	
21:30	0	0	1	0		21:30	0	0	
21:45	0	1	0	0		21:45	0	0	
22:00	0	0	0	0	6	22:00	0	0	0
22:15	0	2	0	0		22:15	0	0	
22:30	1	0	0	0		22:30	0	0	
22:45	2	1	0	0		22:45	0	0	
23:00	1	1	0	0	4	23:00	0	0	0
23:15	0	1	0	0		23:15	0	0	
23:30	1	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**84**	**94**	**23**	**30**	**231**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	1	0	0	0	2	0:00	0	0	0
0:15	0	0	0	1		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	1	2:00	0	0	0
2:15	1	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	1	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	0	0	0	0		3:30	0	0	
3:45	1	0	0	0		3:45	0	0	
4:00	0	0	0	0	3	4:00	0	0	0
4:15	1	0	0	0		4:15	0	0	
4:30	1	0	0	0		4:30	0	0	
4:45	1	0	0	0		4:45	0	0	
5:00	4	1	0	0	9	5:00	0	0	0
5:15	1	0	0	0		5:15	0	0	
5:30	2	0	0	0		5:30	0	0	
5:45	1	0	0	0		5:45	0	0	
6:00	0	1	0	0	13	6:00	0	0	0
6:15	0	0	0	0		6:15	0	0	
6:30	2	0	2	2		6:30	0	0	
6:45	3	3	0	0		6:45	0	0	
7:00	1	0	0	0	8	7:00	0	0	0
7:15	0	0	0	0		7:15	0	0	
7:30	0	4	0	0		7:30	0	0	
7:45	0	3	0	0		7:45	0	0	
8:00	0	0	1	0	5	8:00	0	0	0
8:15	0	0	0	1		8:15	0	0	
8:30	0	0	0	1		8:30	0	0	
8:45	0	2	0	0		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	1	0	0	0	6	9:00	0	0	0
9:15	0	0	0	0		9:15	0	0	
9:30	2	0	0	0		9:30	0	0	
9:45	1	0	2	0		9:45	0	0	
10:00	1	0	1	1	13	10:00	0	0	0
10:15	0	1	0	1		10:15	0	0	
10:30	3	1	0	1		10:30	0	0	
10:45	2	0	1	0		10:45	0	0	
11:00	0	2	0	0	19	11:00	0	0	0
11:15	1	4	0	0		11:15	0	0	
11:30	2	0	0	2		11:30	0	0	
11:45	5	1	1	1		11:45	0	0	
12:00	0	1	1	0	15	12:00	0	0	0
12:15	0	1	0	1		12:15	0	0	
12:30	3	3	0	0		12:30	0	0	
12:45	0	4	1	0		12:45	0	0	
13:00	1	0	0	0	9	13:00	0	0	0
13:15	2	1	0	0		13:15	0	0	
13:30	0	1	0	0		13:30	0	0	
13:45	1	2	1	0		13:45	0	0	
14:00	2	2	0	1	15	14:00	0	0	0
14:15	4	1	0	0		14:15	0	0	
14:30	0	0	0	0		14:30	0	0	
14:45	4	0	0	1		14:45	0	0	
15:00	3	2	0	0	16	15:00	0	0	0
15:15	0	1	0	0		15:15	0	0	
15:30	0	9	0	0		15:30	0	0	
15:45	0	0	0	1		15:45	0	0	
16:00	0	2	0	0	19	16:00	0	0	0
16:15	0	4	0	1		16:15	0	0	
16:30	3	4	1	0		16:30	0	0	
16:45	0	4	0	0		16:45	0	0	
17:00	1	1	1	0	9	17:00	0	0	0
17:15	3	0	1	0		17:15	0	0	
17:30	0	0	0	0		17:30	0	0	
17:45	0	2	0	0		17:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/23/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	2	0	0	0	8	18:00	0	0	0
18:15	1	3	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	1	1	0	0		18:45	0	0	
19:00	1	2	0	0	5	19:00	0	0	0
19:15	0	1	0	0		19:15	0	0	
19:30	0	1	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	2	1	0	0	5	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	0	1	1	0		20:30	0	0	
20:45	0	0	0	0		20:45	0	0	
21:00	1	0	0	0	8	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	1	4	0	0		21:30	0	0	
21:45	1	0	0	1		21:45	0	0	
22:00	0	1	0	0	10	22:00	0	0	0
22:15	1	1	0	0		22:15	0	0	
22:30	0	2	0	0		22:30	0	0	
22:45	0	5	0	0		22:45	0	0	
23:00	1	0	0	0	6	23:00	0	0	0
23:15	0	5	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**77**	**96**	**15**	**17**	**205**	**24-HOUR TOTAL**	**0**	**0**	**0**

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
0:00	0	0	0	0	0	0:00	0	0	0
0:15	0	0	0	0		0:15	0	0	
0:30	0	0	0	0		0:30	0	0	
0:45	0	0	0	0		0:45	0	0	
1:00	0	0	0	0	0	1:00	0	0	0
1:15	0	0	0	0		1:15	0	0	
1:30	0	0	0	0		1:30	0	0	
1:45	0	0	0	0		1:45	0	0	
2:00	0	0	0	0	0	2:00	0	0	0
2:15	0	0	0	0		2:15	0	0	
2:30	0	0	0	0		2:30	0	0	
2:45	0	0	0	0		2:45	0	0	
3:00	0	0	0	0	2	3:00	0	0	0
3:15	0	0	0	0		3:15	0	0	
3:30	1	0	0	0		3:30	0	0	
3:45	1	0	0	0		3:45	0	0	
4:00	0	0	0	0	2	4:00	0	0	0
4:15	0	0	0	0		4:15	0	0	
4:30	0	0	0	0		4:30	0	0	
4:45	2	0	0	0		4:45	0	0	
5:00	5	1	1	0	17	5:00	0	0	0
5:15	3	0	0	0		5:15	0	0	
5:30	4	0	0	0		5:30	0	0	
5:45	2	1	0	0		5:45	0	0	
6:00	0	1	1	0	14	6:00	0	0	0
6:15	0	1	0	0		6:15	0	0	
6:30	1	0	0	2		6:30	0	0	
6:45	5	3	0	0		6:45	0	0	
7:00	2	1	0	0	15	7:00	0	0	0
7:15	0	3	2	0		7:15	0	0	
7:30	2	1	1	1		7:30	0	0	
7:45	2	0	0	0		7:45	0	0	
8:00	0	3	2	1	23	8:00	0	0	0
8:15	0	1	2	1		8:15	0	0	
8:30	0	1	1	0		8:30	0	0	
8:45	1	2	5	3		8:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
9:00	1	0	1	0	10	9:00	0	0	0
9:15	0	0	1	0		9:15	0	0	
9:30	0	1	1	0		9:30	0	0	
9:45	1	2	0	2		9:45	0	0	
10:00	0	1	0	0	14	10:00	0	0	0
10:15	3	2	1	0		10:15	0	0	
10:30	3	0	0	1		10:30	0	0	
10:45	1	1	0	1		10:45	0	0	
11:00	1	4	1	0	11	11:00	0	0	0
11:15	0	2	1	0		11:15	0	0	
11:30	0	0	0	2		11:30	0	0	
11:45	0	0	0	0		11:45	0	0	
12:00	2	0	3	0	17	12:00	0	0	0
12:15	2	2	0	0		12:15	0	0	
12:30	1	3	0	1		12:30	0	0	
12:45	0	3	0	0		12:45	0	0	
13:00	5	0	0	0	17	13:00	0	0	0
13:15	1	1	1	2		13:15	0	0	
13:30	2	1	0	0		13:30	0	0	
13:45	1	0	2	1		13:45	0	0	
14:00	1	2	1	0	24	14:00	0	0	0
14:15	1	1	0	1		14:15	0	0	
14:30	2	1	1	1		14:30	0	0	
14:45	5	6	1	0		14:45	0	0	
15:00	0	1	0	1	20	15:00	0	0	0
15:15	1	1	0	0		15:15	0	0	
15:30	3	4	0	0		15:30	0	0	
15:45	4	3	2	0		15:45	0	0	
16:00	2	5	0	0	23	16:00	0	0	0
16:15	2	4	0	1		16:15	0	0	
16:30	1	3	0	0		16:30	0	0	
16:45	1	3	0	1		16:45	0	0	
17:00	0	1	0	0	9	17:00	0	0	0
17:15	0	0	0	1		17:15	0	0	
17:30	3	2	0	0		17:30	0	0	
17:45	1	1	0	0		17:45	0	0	

DATA SOLUTIONS

Location: CR Y_E-O CR 18
Date: 02/24/2025
Count Duration: 24 HRS
Site Code: ADT 1

Time	Light Vehicles Volume EB	Light Vehicles Volume WB	Heavy Vehicles Volume EB	Heavy Vehicles Volume WB	Total	Time	Bikes on Road Volume EB	Bikes on Road Volume WB	Total
18:00	4	1	0	0	12	18:00	0	0	0
18:15	2	3	0	0		18:15	0	0	
18:30	0	0	0	0		18:30	0	0	
18:45	0	1	0	1		18:45	0	0	
19:00	1	0	0	0	4	19:00	0	0	0
19:15	1	0	0	0		19:15	0	0	
19:30	2	0	0	0		19:30	0	0	
19:45	0	0	0	0		19:45	0	0	
20:00	0	3	0	0	6	20:00	0	0	0
20:15	0	0	0	0		20:15	0	0	
20:30	1	0	1	0		20:30	0	0	
20:45	1	0	0	0		20:45	0	0	
21:00	0	0	0	0	1	21:00	0	0	0
21:15	0	0	0	0		21:15	0	0	
21:30	1	0	0	0		21:30	0	0	
21:45	0	0	0	0		21:45	0	0	
22:00	0	0	0	0	4	22:00	0	0	0
22:15	0	0	0	0		22:15	0	0	
22:30	1	0	0	0		22:30	0	0	
22:45	2	1	0	0		22:45	0	0	
23:00	0	0	0	0	3	23:00	0	0	0
23:15	1	2	0	0		23:15	0	0	
23:30	0	0	0	0		23:30	0	0	
23:45	0	0	0	0		23:45	0	0	
24-HOUR TOTAL	**99**	**91**	**33**	**25**	**248**	**24-HOUR TOTAL**	**0**	**0**	**0**

Emergency Action Plan

IF YOU HAVE AN EMERGENCY:

1. First Containment: If the lagoon breaks, plug with earthen material from on-site borrow material or hay bales stored on-site.

2. Assess the Extent of Emergency and Determine How Much Help is Needed.

3. Contact the Emergency Response Team Leader:

Kirk Crone

[redacted]

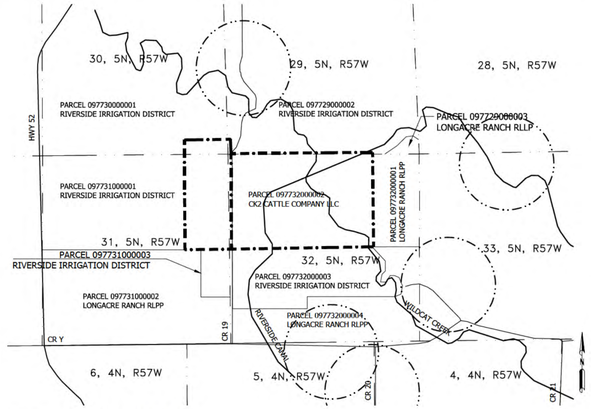
Give the Team Leader the Following Information:

- Description of the Emergency
- Estimates of the amount, area covered, and distance traveled from manure storage
- Whether manure has reached ditches, waterways, or streams
- Any obvious damage – employee injury or property damage
- What is being done, any assistance needed

4. Call for help & excavator if needed.

Emergency Phone Numbers: 911
Fire and Ambulance 970-542-9215
Colorado Plains Medical Center 970-867-3391
Morgan County Sheriff 970-867-2461

Other Phone Numbers:
EPA Emergency Spill Hotline 800-282-9378
County Health Department 970-867-4918
County Commissioner 970-542-3500
Riverside Irrigation District 970-867-6586



1 VICINITY MAP

Scale: 1:2000

CERTIFICATE OF OWNERSHIP

KNOW ALL MEN BY THESE PRESENTS THAT CK2 CATTLE COMPANY , BEING THE OWNER(S) OF CERTAIN LANDS IN MORGAN COUNTY, COLORADO, DESCRIBED AS FOLLOWS:

NW ¼ & W ½ OF NE ¼ OF SEC 32, T 5N, R 57W, OF THE 6TH P.M., MORGAN COUNTY COLORADO

HAVE BY THESE PRESENTS LAID OUT, PLATTED AND SUBDIVIDED THE SAME, AS SHOWN ON THIS PLAT, UNDER THE NAME AND STYLE OF SPECIAL USE PERMIT MAP.

EXECUTED THIS _____ DAY OF _____, 20__.

OWNERS:

_____

_____

THE FOREGOING CERTIFICATION WAS ACKNOWLEDGED BEFORE ME THIS_____ DAY OF_____ _____, 20__, BY _____

STATE OF COLORADO
COUNTY OF_____

MY COMMISSION EXPIRES_____

_____
NOTARY PUBLIC

CERTIFICATE OF OWNERSHIP

KNOW ALL MEN BY THESE PRESENTS THAT RIVERSIDE IRRIGATION DISTRICT, BEING THE OWNER(S) OF CERTAIN LANDS IN MORGAN COUNTY, COLORADO, DESCRIBED AS FOLLOWS:

A PARCEL OF LAND LOCATED IN THE SE ¼ OF SECTION 30 AND THE NORTHEAST ¼ OF SECTION 31, T 5N, R 57W, OF THE 6TH P.M. COUNTY OF MORGAN, STATE OF COLORADO, DESCRIBED AS FOLLOWS;

CONSIDERING THE EAST LINE OF THE NORTHEAST ¼ OF SAID SECTION 31 TO BEAR NORTH 00°D19'03" WEST, BEING MONUMENTED ON THE NORTH END BY A ¾ REBAR WITH 2 ½" ALUMINUM CAP, PLS 38044, AND ON THE SOUTH END BY A ¾" REBAR WITH A 3 ¼" ALUMINUM CAP, PLS 37971, WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO;

BEGINNING AT THE NORTHEAST CORNER OF SAID SECTION 31; THENCE NORTH 02 °23'29" WEST, COINCIDENT WITH THE EAST LINE OF SAID SECTION 30, A DISTANCE OF 400.00 FEET; THENCE SOUTH 89°09'53" WEST, A DISTANCE OF 1288.37 FEET; THENCE SOUTH 00°19'03" EAST, A DISTANCE OF 3072.86 FEET TO THE SOUTH LINE OF THE NORTHEAST ¼ OF SAID SECTION 31; THENCE NORTH 89°20'47" EAST, COINCIDENT WITH SAID SOUTH LINE, A DISTANCE OF 1302.81 FEET TO THE EAST ¼ CORNER OF SAID SECTION 31; THENCE NORTH 00°19'03" WEST, COINCIDENT WITH THE EAST LINE OF THE NORTHEAST ¼ OF SAID SECTION 31, A DISTANCE OF 2677.13 FEET TO THE TRUE POINT OF BEGINNING.

HAVE BY THESE PRESENTS LAID OUT, PLATTED AND SUBDIVIDED THE SAME, AS SHOWN ON THIS PLAT, UNDER THE NAME AND STYLE OF SPECIAL USE PERMIT MAP.

EXECUTED THIS _____ DAY OF _____, 20__.

OWNERS:

_____

_____

THE FOREGOING CERTIFICATION WAS ACKNOWLEDGED BEFORE ME THIS_____ DAY OF_____ _____, 20__, BY _____

STATE OF COLORADO
COUNTY OF_____

MY COMMISSION EXPIRES_____

_____
NOTARY PUBLIC

OWNER: CK2 CATTLE COMPANY LLC
22251 COUNTY ROAD 23
FORT MORGAN, CO 80701

RIVERSIDE IRRIGATION DISTRICT
221 E KIOWA AVE
FORT MORGAN, CO 80701

SITE ADDRESS: 24591 COUNTY ROAD 19
FORT MORGAN, CO 80701

PLAN PREPARER: THENGINEERING, LLC
PO BOX 337748
GREELEY, CO 80634

ENGINEER: THENGINEERING, LLC
PO BOX 337748
GREELEY, CO 80634

SURVEYOR: AMERICAN WEST LAND SURVEYING CO
PO BOX 129
BRIGHTON, CO 80601

NOTES:

1. NO KNOWN GEOLOGIC HAZARDS ARE PRESENT THAT WOULD ADVERSELY AFFECT THIS DEVELOPMENT.

PARCEL 0977320000002:
NW ¼ & W ½ OF NE ¼ OF SEC 32, T 5N, R 57W, OF THE 6TH P.M., MORGAN COUNTY COLORADO

PARCEL 0977310000001 & 0977300000001:

A PARCEL OF LAND LOCATED IN THE SE ¼ OF SECTION 30 AND THE NORTHEAST ¼ OF SECTION 31, T 5N, R 57W, OF THE 6TH P.M. COUNTY OF MORGAN, STATE OF COLORADO, DESCRIBED AS FOLLOWS;

CONSIDERING THE EAST LINE OF THE NORTHEAST ¼ OF SAID SECTION 31 TO BEAR NORTH 00°D19'03" WEST, BEING MONUMENTED ON THE NORTH END BY A ¾ REBAR WITH 2 ½" ALUMINUM CAP, PLS 38044, AND ON THE SOUTH END BY A ¾" REBAR WITH A 3 ¼" ALUMINUM CAP, PLS 37971, WITH ALL BEARINGS CONTAINED HEREIN RELATIVE THERETO;

BEGINNING AT THE NORTHEAST CORNER OF SAID SECTION 31; THENCE NORTH 02 °23'29" WEST, COINCIDENT WITH THE EAST LINE OF SAID SECTION 30, A DISTANCE OF 400.00 FEET; THENCE SOUTH 89°09'53" WEST, A DISTANCE OF 1288.37 FEET; THENCE SOUTH 00°19'03" EAST, A DISTANCE OF 3072.86 FEET TO THE SOUTH LINE OF THE NORTHEAST ¼ OF SAID SECTION 31; THENCE NORTH 89°20'47" EAST, COINCIDENT WITH SAID SOUTH LINE, A DISTANCE OF 1302.81 FEET TO THE EAST ¼ CORNER OF SAID SECTION 31; THENCE NORTH 00°19'03" WEST, COINCIDENT WITH THE EAST LINE OF THE NORTHEAST ¼ OF SAID SECTION 31, A DISTANCE OF 2677.13 FEET TO THE TRUE POINT OF BEGINNING.

SURVEYOR CERTIFICATE

I CURTIS D HOOS, A PROFESSIONAL LAND SURVEYOR IN THE STATE OF COLORADO, DO HEREBY CERTIFY THAT THE SURVEY REPRESENTED BY THIS PLAT WAS MADE BY ME OR UNDER MY DIRECT SUPERVISION, WAS MADE IN ACCORDANCE WITH APPLICABLE STANDARDS OF PRACTICE, AND THIS PLAT ACCURATELY REPRESENTS SAID SURVEY TO THE BEST OF MY KNOWLEDGE AND BELIEF. THIS SURVEY DOES NOT CONSTITUTE A GUARANTY OF WARRANTY, EITHER EXPRESSED OR IMPLIED.

ON THIS _____ DAY OF _____A.D., 20_____.

_____ PLS 37971
(SURVEYOR)

FOR AND ON BEHALF OF: AMERICAN WEST LAND SURVEYING CO
A COLORADO CORPORATION

ROW/EASEMENT
PROPERTY LINE
FENCELINE
CONCRETE
BUILDING
FLOW DIRECTION

CLERK AND RECORDER'S CERTIFICATE

STATE OF COLORADO)
) ss.
COUNTY OF MORGAN)

I HEREBY CERTIFY THAT THIS INSTRUMENT WAS FILED IN MY OFFICE AT __ _____ O'CLOCK __.M., THIS _____ DAY OF _____, 20__ , AND IS DULY RECORDED IN RECEPTION NO. _____.

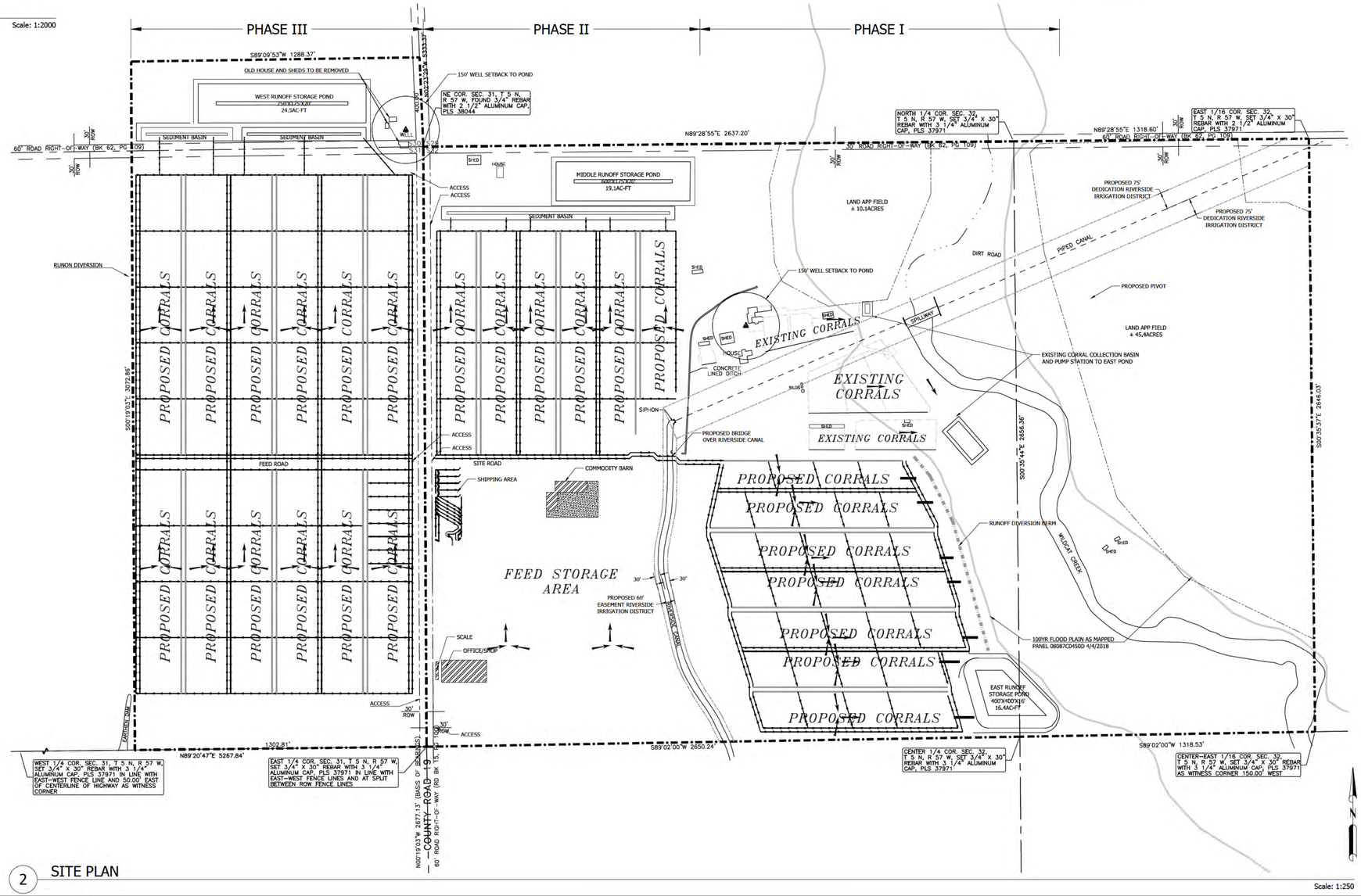
_____
CLERK AND RECORDER

COMMISSIONER'S CERTIFICATE

APPROVED THIS _____ DAY OF _____, 20__, BY BOARD OF COUNTY COMMISSIONERS, MORGAN COUNTY, COLORADO. THIS APPROVAL DOES NOT GUARANTEE THAT THE SIZE, SOIL CONDITIONS, OR FLOODING CONDITIONS OF ANY LOT SHOWN HEREON ARE SUCH THAT A BUILDING PERMIT, WELL PERMIT, OR SEWAGE DISPOSAL PERMIT WILL BE ISSUED. THIS APPROVAL IS WITH THE UNDERSTANDING THAT ALL EXPENSES INVOLVING REQUIRED IMPROVEMENTS FOR ALL UTILITY SERVICES, PAVING, GRADING, LANDSCAPING, CURBS, GUTTERS, SIDEWALKS, ROAD LIGHTING, ROAD SIGNS, FLOOD PROTECTION DEVICES, DRAINAGE STRUCTURES, AND ALL OTHER IMPROVEMENTS THAT MAY BE REQUIRED SHALL BE THE RESPONSIBILITY OF THE SUBDIVIDER AND NOT THE COUNTY OF MORGAN.

_____
ATTEST: CHAIRMAN

_____
CLERK TO THE BOARD


PHASE III
PHASE II
PHASE I
S89°09'53"W 1288.37'
OLD HOUSE AND SHEDS TO BE REMOVED
WEST RUNOFF STORAGE POND
500X125X20'
24.5AC-FT
NE COR. SEC. 31, T 5 N, R 57 W, FOUND 3/4" REBAR WITH 2 1/2" ALUMINUM CAP, PLS 38044
150' WELL SETBACK TO POND
400.00'
N02°23'29"W 3333.37'
SEDIMENT BASIN
SEDIMENT BASIN
60' ROAD RIGHT-OF-WAY (BK 62, PG 109)
30' ROW
WELL
SHED
HOUSE
ACCESS
ACCESS
MIDDLE RUNOFF STORAGE POND
600X125X20'
19.1AC-FT
SEDIMENT BASIN
N89°28'55"E 2637.20'
NORTH 1/4 COR. SEC. 32, T 5 N, R 57 W, SET 3/4" X 30" REBAR WITH 3 1/4" ALUMINUM CAP, PLS 37971
N89°28'55"E 1318.60'
60' ROAD RIGHT-OF-WAY (BK 62, PG 109)
EAST 1/16 COR. SEC. 32, T 5 N, R 57 W, SET 3/4" X 30" REBAR WITH 2 1/2" ALUMINUM CAP, PLS 37971
LAND APP FIELD
± 10.1ACRES
PROPOSED 75' DEDICATION RIVERSIDE IRRIGATION DISTRICT
PROPOSED 75' DEDICATION RIVERSIDE IRRIGATION DISTRICT
DIRT ROAD
PIPED CANAL
150' WELL SETBACK TO POND
PROPOSED PIVOT
SPILLWAY
LAND APP FIELD
± 45.4ACRES
EXISTING CORRALS
EXISTING CORRALS
EXISTING CORRALS

NORTHERN COLORADO TITLE SERVICES CO., INC.
205 W. KIOWA AVENUE
FORT MORGAN, CO 80701
TELEPHONE (970)867-0233 *** FAX (970)867-7750

DATE: August 13, 2024
ORDER NO.: NCT25062
PROPERTY ADDRESS: VARIOUS, Fort Morgan, CO 80701

OWNER/PURCHASER: JAMES D. WHITNEY and BECKY M. WHITNEY
CK2 CATTLE COMPANY, LLC, CRONE

PLEASE DELIVER TO THE FOLLOWING CUSTOMERS:

_____ To: CK2 CATTLE COMPANY, LLC
22251 CO RD 23
FORT MORGAN, CO 80701
[redacted]

ATTN:

Fax No.:

_____ To:

ATTN:

Fax No.:

_____ To:

ATTN:

Fax No.:

ATTACHED PLEASE FIND THE FOLLOWING ITEM(S) IN CONNECTION WITH THE ABOVE CAPTIONED ORDER. SHOULD YOU HAVE ANY QUESTIONS REGARDING THE ATTACHED DOCUMENTATION, PLEASE CONTACT LINDA, BROOKE, LISA OR SHERYL. FOR CLOSING ASSISTANCE, PLEASE CONTACT LINDA OR LISA. WE APPRECIATE YOUR BUSINESS VERY MUCH AND LOOK FORWARD TO SERVING YOU IN THIS TRANSACTION.

E-MAIL ADDRESS FOR CLOSING DOCUMENTS: closing@ncts.com
HAVE A WONDERFUL DAY!!!

_____ COMMITMENT
AMT DUE IS ON SCHEDULE A (INVOICE)

_____ PROPERTY REPORT
AMT DUE IS ON PROPERTY REPORT (INVOICE)

_____ MORTGAGE/FORECOSURE GUARANTY

_____ SURVEY / ILC

_____ OWNERS TITLE POLICY

_____ MORTGAGEES TITLE POLICY

_____ DOCUMENTS

_____ OTHER / INVOICE

NORTHERN COLORADO TITLE SERVICES CO., INC.
205 W. KIOWA AVENUE
FORT MORGAN, CO 80701
TELEPHONE (970)867-0233 * FAX (970)867-7750**

October 10, 2024

File No.: NCT25062

Dear Kirk T. Crone:

Enclosed is your Policy of Title Insurance. This policy contains important information about the Real Estate Transaction you have just completed, it is your guarantee of ownership. Please read it and retain it with your other valuable papers.

A complete and permanent file of the records concerning your transaction will be maintained in our office. These records will assure prompt processing of future title orders and save much valuable time should you wish to sell or obtain a loan on your property. Visit or call our office and simply give us your personal policy file number shown above.

We appreciate the opportunity of serving you and will be happy to assist you in any way with your future title service needs.

Very Truly Yours,

NORTHERN COLORADO TITLE SERVICES CO., INC.

Linda L. Reding
President

ENCLOSURE

stewart

ALTA OWNER'S POLICY OF TITLE INSURANCE (07-01-2021)

ISSUED BY
STEWART TITLE GUARANTY COMPANY

This policy, when issued by the Company with a Policy Number and the Date of Policy, is valid even if this policy or any endorsement to this policy is issued electronically or lacks any signature.

Any notice of claim and any other notice or statement in writing required to be given to the Company under this policy must be given to the Company at the address shown in Condition 17.

COVERED RISKS

SUBJECT TO THE EXCLUSIONS FROM COVERAGE, THE EXCEPTIONS FROM COVERAGE CONTAINED IN SCHEDULE B, AND THE CONDITIONS, STEWART TITLE GUARANTY COMPANY, a Texas corporation (the "Company"), insures as of the Date of Policy and, to the extent stated in Covered Risks 9 and 10, after the Date of Policy, against loss or damage, not exceeding the Amount of Insurance, sustained or incurred by the Insured by reason of:

1. The Title being vested other than as stated in Schedule A.
2. Any defect in or lien or encumbrance on the Title. Covered Risk 2 includes, but is not limited to, insurance against loss from:
   a. a defect in the Title caused by:
      i. forgery, fraud, undue influence, duress, incompetency, incapacity, or impersonation;
      ii. the failure of a person or Entity to have authorized a transfer or conveyance;
      iii. a document affecting the Title not properly authorized, created, executed, witnessed, sealed, acknowledged, notarized (including by remote online notarization), or delivered;
      iv. a failure to perform those acts necessary to create a document by electronic means authorized by law;
      v. a document executed under a falsified, expired, or otherwise invalid power of attorney;
      vi. a document not properly filed, recorded, or indexed in the Public Records, including the failure to have performed those acts by electronic means authorized by law;
      vii. a defective judicial or administrative proceeding; or
      viii. the repudiation of an electronic signature by a person that executed a document because the electronic signature on the document was not valid under applicable electronic transactions law.
   b. the lien of real estate taxes or assessments imposed on the Title by a governmental authority due or payable, but unpaid.
   c. the effect on the Title of an encumbrance, violation, variation, adverse circumstance, boundary line overlap, or encroachment (including an encroachment of an improvement across the boundary lines of the Land), but only if the encumbrance, violation, variation, adverse circumstance, boundary line overlap, or encroachment would have been disclosed by an accurate and complete land title survey of the Land.
3. Unmarketable Title.
4. No right of access to and from the Land.

Countersigned by:

Authorized Countersignature

Northern Colorado Title Services Co, Inc
Company Name

205 W Kiowa Avenue
Fort Morgan, CO 80701
City, State

STEWART TITLE GUARANTY COMPANY INCORPORATED 1908 TEXAS

Frederick H. Eppinger
President and CEO

David Hisey
Secretary

For coverage information or assistance resolving a complaint, call (800) 729-1902 or visit www.stewart.com. To make a claim, furnish written notice in accordance with Section 3 of the Conditions.

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5. A violation or enforcement of a law, ordinance, permit, or governmental regulation (including those relating to building and zoning), but only to the extent of the violation or enforcement described by the enforcing governmental authority in an Enforcement Notice that identifies a restriction, regulation, or prohibition relating to:
   a. the occupancy, use, or enjoyment of the Land;
   b. the character, dimensions, or location of an improvement on the Land;
   c. the subdivision of the Land; or
   d. environmental remediation or protection on the Land.
6. An enforcement of a governmental forfeiture, police, regulatory, or national security power, but only to the extent of the enforcement described by the enforcing governmental authority in an Enforcement Notice.
7. An exercise of the power of eminent domain, but only to the extent:
   a. of the exercise described in an Enforcement Notice; or
   b. the taking occurred and is binding on a purchaser for value without Knowledge.
8. An enforcement of a PACA-PSA Trust, but only to the extent of the enforcement described in an Enforcement Notice.
9. The Title being vested other than as stated in Schedule A, the Title being defective, or the effect of a court order providing an alternative remedy:
   a. resulting from the avoidance, in whole or in part, of any transfer of all or any part of the Title to the Land or any interest in the Land occurring prior to the transaction vesting the Title because that prior transfer constituted a:
      i. fraudulent conveyance, fraudulent transfer, or preferential transfer under federal bankruptcy, state insolvency, or similar state or federal creditors' rights law; or
      ii. voidable transfer under the Uniform Voidable Transactions Act; or
   b. because the instrument vesting the Title constitutes a preferential transfer under federal bankruptcy, state insolvency, or similar state or federal creditors' rights law by reason of the failure:
      i. to timely record the instrument vesting the Title in the Public Records after execution and delivery of the instrument to the Insured; or
      ii. of the recording of the instrument vesting the Title in the Public Records to impart notice of its existence to a purchaser for value or to a judgment or lien creditor.
10. Any defect in or lien or encumbrance on the Title or other matter included in Covered Risks 1 through 9 that has been created or attached or has been filed or recorded in the Public Records subsequent to the Date of Policy and prior to the recording of the deed or other instrument vesting the Title in the Public Records.

DEFENSE OF COVERED CLAIMS

The Company will also pay the costs, attorneys' fees, and expenses incurred in defense of any matter insured against by this policy, but only to the extent provided in the Conditions.

EXCLUSIONS FROM COVERAGE

The following matters are excluded from the coverage of this policy, and the Company will not pay loss or damage, costs, attorneys' fees, or expenses that arise by reason of:

1. a any law, ordinance, permit, or governmental regulation (including those relating to building and zoning) that restricts, regulates, prohibits, or relates to:
      i. the occupancy, use, or enjoyment of the Land;
      ii. the character, dimensions, or location of any improvement on the Land;
      iii. the subdivision of land; or
      iv. environmental remediation or protection.
   b. any governmental forfeiture, police, regulatory, or national security power.
   c. the effect of a violation or enforcement of any matter excluded under Exclusion 1.a. or 1.b.
   Exclusion 1 does not modify or limit the coverage provided under Covered Risk 5 or 6.
2. Any power of eminent domain. Exclusion 2 does not modify or limit the coverage provided under Covered Risk 7.
3. Any defect, lien, encumbrance, adverse claim, or other matter:
   a. created, suffered, assumed, or agreed to by the Insured Claimant;
   b. not Known to the Company, not recorded in the Public Records at the Date of Policy, but Known to the Insured Claimant and not disclosed in writing to the Company by the Insured Claimant prior to the date the Insured Claimant became an Insured under this policy;
   c. resulting in no loss or damage to the Insured Claimant;
   d. attaching or created subsequent to the Date of Policy (Exclusion 3.d. does not modify or limit the coverage provided under Covered Risk 9 or 10); or
   e. resulting in loss or damage that would not have been sustained if consideration sufficient to qualify the Insured named in Schedule A as a bona fide purchaser had been given for the Title at the Date of Policy.

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4. Any claim, by reason of the operation of federal bankruptcy, state insolvency, or similar creditors' rights law, that the transaction vesting the Title as shown in Schedule A is a:
   a. fraudulent conveyance or fraudulent transfer;
   b. voidable transfer under the Uniform Voidable Transactions Act; or
   c. preferential transfer:
      i. to the extent the instrument of transfer vesting the Title as shown in Schedule A is not a transfer made as a contemporaneous exchange for new value; or
      ii. for any other reason not stated in Covered Risk 9.b.
5. Any claim of a PACA-PSA Trust. Exclusion 5 does not modify or limit the coverage provided under Covered Risk 8.
6. Any lien on the Title for real estate taxes or assessments imposed or collected by a governmental authority that becomes due and payable after the Date of Policy. Exclusion 6 does not modify or limit the coverage provided under Covered Risk 2.b.
7. Any discrepancy in the quantity of the area, square footage, or acreage of the Land or of any improvement to the Land.

CONDITIONS

1. DEFINITION OF TERMS

In this policy, the following terms have the meanings given to them below. Any defined term includes both the singular and the plural, as the context requires:

a. "Affiliate": An Entity:
   i. that is wholly owned by the Insured;
   ii. that wholly owns the Insured; or
   iii. if that Entity and the Insured are both wholly owned by the same person or entity.

b. "Amount of Insurance": The Amount of Insurance stated in Schedule A, as may be increased by Condition 8.d. or decreased by Condition 10 or 11; or increased or decreased by endorsements to this policy.

c. "Date of Policy": The Date of Policy stated in Schedule A.

d. "Discriminatory Covenant": Any covenant, condition, restriction, or limitation that is unenforceable under applicable law because it illegally discriminates against a class of individuals based on personal characteristics such as race, color, religion, sex, sexual orientation, gender identity, familial status, disability, national origin, or other legally protected class.

e. "Enforcement Notice": A document recorded in the Public Records that describes any part of the Land and:
   i. is issued by a governmental agency that identifies a violation or enforcement of a law, ordinance, permit, or governmental regulation;
   ii. is issued by a holder of the power of eminent domain or a governmental agency that identifies the exercise of a governmental power; or
   iii. asserts a right to enforce a PACAPSA Trust.

f. "Entity": A corporation, partnership, trust, limited liability company, or other entity authorized by law to own title to real property in the State where the Land is located.

g. "Insured":
   i. (a). The Insured named in Item 1 of Schedule A;
      (b). the successor to the Title of an Insured by operation of law as distinguished from purchase, including heirs, devisees, survivors, personal representatives, or next of kin;
      (c). the successor to the Title of an Insured resulting from dissolution, merger, consolidation, distribution, or reorganization;
      (d). the successor to the Title of an Insured resulting from its conversion to another kind of Entity; or
      (e). the grantee of an Insured under a deed or other instrument transferring the Title, if the grantee is:
         (1). an Affiliate;
         (2). a trustee or beneficiary of a trust created by a written instrument established for estate planning purposes by an Insured;
         (3). a spouse who receives the Title because of a dissolution of marriage;
         (4). a transferee by a transfer effective on the death of an Insured as authorized by law; or
         (5). another Insured named in Item 1 of Schedule A.
   ii. The Company reserves all rights and defenses as to any successor or grantee that the Company would have had against any predecessor Insured.

h. "Insured Claimant": An Insured claiming loss or damage arising under this policy.

i. "Knowledge" or "Known": Actual knowledge or actual notice, but not constructive notice imparted by the Public Records.

j. "Land": The land described in Item 4 of Schedule A and improvements located on that land at the Date of Policy that by State law constitute real property. The term "Land" does not include any property beyond that described in Schedule A, nor any right, title, interest, estate, or easement in any abutting street, road, avenue, alley, lane, right-of-way, body of water, or waterway, but does not modify or limit the extent that a right of access to and from the Land is insured by this policy.

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k. "Mortgage": A mortgage, deed of trust, trust deed, security deed, or other real property security instrument, including one evidenced by electronic means authorized by law.

l. "PACA-PSA Trust": A trust under the federal Perishable Agricultural Commodities Act or the federal Packers and Stockyards Act or a similar State or federal law.

m. "Public Records": The recording or filing system established under State statutes in effect at the Date of Policy under which a document must be recorded or filed to impart constructive notice of matters relating to the Title to a purchaser for value without Knowledge. The term "Public Records" does not include any other recording or filing system, including any pertaining to environmental remediation or protection, planning, permitting, zoning, licensing, building, health, public safety, or national security matters.

n. "State": The state or commonwealth of the United States within whose exterior boundaries the Land is located. The term "State" also includes the District of Columbia, the Commonwealth of Puerto Rico, the U.S. Virgin Islands, and Guam.

o. "Title": The estate or interest in the Land identified in Item 2 of Schedule A.

p. "Unmarketable Title": The Title affected by an alleged or apparent matter that would permit a prospective purchaser or lessee of the Title or a lender on the Title to be released from the obligation to purchase, lease, or lend if there is a contractual condition requiring the delivery of marketable title.

2. CONTINUATION OF COVERAGE

This policy continues as of the Date of Policy in favor of an Insured, so long as the Insured:

a. retains an estate or interest in the Land;

b. owns an obligation secured by a purchase money Mortgage given by a purchaser from the Insured; or

c. has liability for warranties given by the Insured in any transfer or conveyance of the Insured's Title.

Except as provided in Condition 2, this policy terminates and ceases to have any further force or effect after the Insured conveys the Title. This policy does not continue in force or effect in favor of any person or entity that is not the Insured and acquires the Title or an obligation secured by a purchase money Mortgage given to the Insured.

3. NOTICE OF CLAIM TO BE GIVEN BY INSURED CLAIMANT

The Insured must notify the Company promptly in writing if the Insured has Knowledge of:

a. any litigation or other matter for which the Company may be liable under this policy; or

b. any rejection of the Title as Unmarketable Title.

If the Company is prejudiced by the failure of the Insured Claimant to provide prompt notice, the Company's liability to the Insured Claimant under this policy is reduced to the extent of the prejudice.

4. PROOF OF LOSS

The Company may, at its option, require as a condition of payment that the Insured Claimant furnish a signed proof of loss. The proof of loss must describe the defect, lien, encumbrance, adverse claim, or other matter insured against by this policy that constitutes the basis of loss or damage and must state, to the extent possible, the basis of calculating the amount of the loss or damage.

5. DEFENSE AND PROSECUTION OF ACTIONS

a. Upon written request by the Insured and subject to the options contained in Condition 7, the Company, at its own cost and without unreasonable delay, will provide for the defense of an Insured in litigation in which any third party asserts a claim covered by this policy adverse to the Insured. This obligation is limited to only those stated causes of action alleging matters insured against by this policy. The Company has the right to select counsel of its choice (subject to the right of the Insured to object for reasonable cause) to represent the Insured as to those covered causes of action. The Company is not liable for and will not pay the fees of any other counsel. The Company will not pay any fees, costs, or expenses incurred by the Insured in the defense of any cause of action that alleges matters not insured against by this policy.

b. The Company has the right, in addition to the options contained in Condition 7, at its own cost, to institute and prosecute any action or proceeding or to do any other act that, in its opinion, may be necessary or desirable to establish the Title, as insured, or to prevent or reduce loss or damage to the Insured. The Company may take any appropriate action under the terms of this policy, whether or not it is liable to the Insured. The Company's exercise of these rights is not an admission of liability or waiver of any provision of this policy. If the Company exercises its rights under Condition 5.b., it must do so diligently.

c. When the Company brings an action or asserts a defense as required or permitted by this policy, the Company may pursue the litigation to a final determination by a court having jurisdiction. The Company reserves the right, in its sole discretion, to appeal any adverse judgment or order.

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6. DUTY OF INSURED CLAIMANT TO COOPERATE

a. When this policy permits or requires the Company to prosecute or provide for the defense of any action or proceeding and any appeals, the Insured will secure to the Company the right to prosecute or provide defense in the action or proceeding, including the right to use, at its option, the name of the Insured for this purpose.

When requested by the Company, the Insured, at the Company's expense, must give the Company all reasonable aid in:

i. securing evidence, obtaining witnesses, prosecuting or defending the action or proceeding, or effecting settlement; and

ii. any other lawful act that in the opinion of the Company may be necessary or desirable to establish the Title or any other matter, as insured.

If the Company is prejudiced by any failure of the Insured to furnish the required cooperation, the Company's liability and obligations to the Insured under this policy terminate, including any obligation to defend, prosecute, or continue any litigation, regarding the matter requiring such cooperation.

b. The Company may reasonably require the Insured Claimant to submit to examination under oath by any authorized representative of the Company and to produce for examination, inspection, and copying, at such reasonable times and places as may be designated by the authorized representative of the Company, all records, in whatever medium maintained, including books, ledgers, checks, memoranda, correspondence, reports, e-mails, disks, tapes, and videos, whether bearing a date before or after the Date of Policy, that reasonably pertain to the loss or damage. Further, if requested by any authorized representative of the Company, the Insured Claimant must grant its permission, in writing, for any authorized representative of the Company to examine, inspect, and copy all the records in the custody or control of a third party that reasonably pertain to the loss or damage. No information designated in writing as confidential by the Insured Claimant provided to the Company pursuant to Condition 6 will be later disclosed to others unless, in the reasonable judgment of the Company, disclosure is necessary in the administration of the claim or required by law. Any failure of the Insured Claimant to submit for examination under oath, produce any reasonably requested information, or grant permission to secure reasonably necessary information from third parties as required in Condition 6.b., unless prohibited by law, terminates any liability of the Company under this policy as to that claim.

7. OPTIONS TO PAY OR OTHERWISE SETTLE CLAIMS; TERMINATION OF LIABILITY

In case of a claim under this policy, the Company has the following additional options:

a. *To Pay or Tender Payment of the Amount of Insurance*

To pay or tender payment of the Amount of Insurance under this policy. In addition, the Company will pay any costs, attorneys' fees, and expenses incurred by the Insured Claimant that were authorized by the Company up to the time of payment or tender of payment and that the Company is obligated to pay.

Upon the exercise by the Company of this option provided for in Condition 7.a., the Company's liability and obligations to the Insured under this policy terminate, including any obligation to defend, prosecute, or continue any litigation.

b. *To Pay or Otherwise Settle with Parties other than the Insured or with the Insured Claimant*

i. To pay or otherwise settle with parties other than the Insured for or in the name of the Insured Claimant. In addition, the Company will pay any costs, attorneys' fees, and expenses incurred by the Insured Claimant that were authorized by the Company up to the time of payment and that the Company is obligated to pay; or

ii. To pay or otherwise settle with the Insured Claimant the loss or damage provided for under this policy. In addition, the Company will pay any costs, attorneys' fees, and expenses incurred by the Insured Claimant that were authorized by the Company up to the time of payment and that the Company is obligated to pay.

Upon the exercise by the Company of either option provided for in Condition 7.b., the Company's liability and obligations to the Insured under this policy for the claimed loss or damage terminate, including any obligation to defend, prosecute, or continue any litigation.

8. CONTRACT OF INDEMNITY; DETERMINATION AND EXTENT OF LIABILITY

This policy is a contract of indemnity against actual monetary loss or damage sustained or incurred by an Insured Claimant who has suffered loss or damage by reason of matters insured against by this policy. This policy is not an abstract of the Title, report of the condition of the Title, legal opinion, opinion of the Title, or other representation of the status of the Title. All claims asserted under this policy are based in contract and are restricted to the terms and provisions of this policy. The Company is not liable for any claim alleging negligence or negligent misrepresentation arising from or in connection with this policy or the determination of the insurability of the Title.

a. The extent of liability of the Company for loss or damage under this policy does not exceed the lesser of:

i. the Amount of Insurance; or

ii. the difference between the fair market value of the Title, as insured, and the fair market value of the Title subject to the matter insured against by this policy.

b. Except as provided in Condition 8.c. or 8.d., the fair market value of the Title in Condition 8.a.ii. is calculated using the date the Insured discovers the defect, lien, encumbrance, adverse claim, or other matter insured against by this policy.

c. If, at the Date of Policy, the Title to all of the Land is void by reason of a matter insured against by this policy, then the Insured Claimant may, by written notice given to the Company, elect to use the Date of Policy as the date for calculating the fair market value of the Title in Condition 8.a.ii.

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d. If the Company pursues its rights under Condition 5.b. and is unsuccessful in establishing the Title, as insured:
   i. the Amount of Insurance will be increased by 15%; and
   ii. the Insured Claimant may, by written notice given to the Company, elect, as an alternative to the dates set forth in Condition 8.b. or, if it applies, 8.c., to use either the date the settlement, action, proceeding, or other act described in Condition 5.b. is concluded or the date the notice of claim required by Condition 3 is received by the Company as the date for calculating the fair market value of the Title in Condition 8.a.ii.

e. In addition to the extent of liability for loss or damage under Conditions 8.a. and 8.d., the Company will also pay the costs, attorneys' fees, and expenses incurred in accordance with Conditions 5 and 7.

9. LIMITATION OF LIABILITY

a. The Company fully performs its obligations and is not liable for any loss or damage caused to the Insured if the Company accomplishes any of the following in a reasonable manner:
   i. removes the alleged defect, lien, encumbrance, adverse claim, or other matter;
   ii. cures the lack of a right of access to and from the Land; or
   iii. cures the claim of Unmarketable Title,

   all as insured. The Company may do so by any method, including litigation and the completion of any appeals.

b. The Company is not liable for loss or damage arising out of any litigation, including litigation by the Company or with the Company's consent, until a State or federal court having jurisdiction makes a final, nonappealable determination adverse to the Title.

c. The Company is not liable for loss or damage to the Insured for liability voluntarily assumed by the Insured in settling any claim or suit without the prior written consent of the Company.

d. The Company is not liable for the content of the Transaction Identification Data, if any.

10. REDUCTION OR TERMINATION OF INSURANCE

All payments under this policy, except payments made for costs, attorneys' fees, and expenses, reduce the Amount of Insurance by the amount of the payment.

11. LIABILITY NONCUMULATIVE

The Amount of Insurance will be reduced by any amount the Company pays under any policy insuring a Mortgage to which exception is taken in Schedule B or to which the Insured has agreed, assumed, or taken subject, or which is executed by an Insured after the Date of Policy and which is a charge or lien on the Title, and the amount so paid will be deemed a payment to the Insured under this policy.

12. PAYMENT OF LOSS

When liability and the extent of loss or damage are determined in accordance with the Conditions, the Company will pay the loss or damage within 30 days.

13. COMPANY'S RECOVERY AND SUBROGATION RIGHTS UPON SETTLEMENT AND PAYMENT

a. If the Company settles and pays a claim under this policy, it is subrogated and entitled to the rights and remedies of the Insured Claimant in the Title and all other rights and remedies in respect to the claim that the Insured Claimant has against any person, entity, or property to the fullest extent permitted by law, but limited to the amount of any loss, costs, attorneys' fees, and expenses paid by the Company. If requested by the Company, the Insured Claimant must execute documents to transfer these rights and remedies to the Company. The Insured Claimant permits the Company to sue, compromise, or settle in the name of the Insured Claimant and to use the name of the Insured Claimant in any transaction or litigation involving these rights and remedies.

b. If a payment on account of a claim does not fully cover the loss of the Insured Claimant, the Company defers the exercise of its subrogation right until after the Insured Claimant fully recovers its loss.

c. The Company's subrogation right includes the Insured's rights to indemnity, guaranty, warranty, insurance policy, or bond, despite any provision in those instruments that addresses recovery or subrogation rights.

14. POLICY ENTIRE CONTRACT

a. This policy together with all endorsements, if any, issued by the Company is the entire policy and contract between the Insured and the Company. In interpreting any provision of this policy, this policy will be construed as a whole. This policy and any endorsement to this policy may be evidenced by electronic means authorized by law.

b. Any amendment of this policy must be by a written endorsement issued by the Company. To the extent any term or provision of an endorsement is inconsistent with any term or provision of this policy, the term or provision of the endorsement controls. Unless the endorsement expressly states, it does not:
   i. modify any prior endorsement,
   ii. extend the Date of Policy,
   iii. insure against loss or damage exceeding the Amount of Insurance, or
   iv. increase the Amount of Insurance.

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15. SEVERABILITY

In the event any provision of this policy, in whole or in part, is held invalid or unenforceable under applicable law, this policy will be deemed not to include that provision or the part held to be invalid, but all other provisions will remain in full force and effect.

16. CHOICE OF LAW AND CHOICE OF FORUM

a. *Choice of Law*

The Company has underwritten the risks covered by this policy and determined the premium charged in reliance upon the State law affecting interests in real property and the State law applicable to the interpretation, rights, remedies, or enforcement of policies of title insurance of the State where the Land is located.

The State law of the State where the Land is located, or to the extent it controls, federal law, will determine the validity of claims against the Title and the interpretation and enforcement of the terms of this policy, without regard to conflicts of law principles to determine the applicable law.

b. *Choice of Forum*

Any litigation or other proceeding brought by the Insured against the Company must be filed only in a State or federal court having jurisdiction.

17. NOTICES

Any notice of claim and any other notice or statement in writing required to be given to the Company under this policy must be given to the Company at: Stewart Title Guaranty Company; Attention: Claims Department, P. O. Box 2029, Houston, Texas 77252-2029.

18. CLASS ACTION

ALL CLAIMS AND DISPUTES ARISING OUT OF OR RELATING TO THIS POLICY, INCLUDING ANY SERVICE OR OTHER MATTER IN CONNECTION WITH ISSUING THIS POLICY, ANY BREACH OF A POLICY PROVISION, OR ANY OTHER CLAIM OR DISPUTE ARISING OUT OF OR RELATING TO THE TRANSACTION GIVING RISE TO THIS POLICY, MUST BE BROUGHT IN AN INDIVIDUAL CAPACITY. NO PARTY MAY SERVE AS PLAINTIFF, CLASS MEMBER, OR PARTICIPANT IN ANY CLASS, REPRESENTATIVE, OR PRIVATE ATTORNEY GENERAL PROCEEDING.

19. ARBITRATION

a. All claims and disputes arising out of or relating to this policy, including any service or other matter in connection with issuing this policy, any breach of a policy provision, or any other claim or dispute arising out of or relating to the transaction giving rise to this policy, may be resolved by arbitration. If the Amount of Insurance is $2,000,000 or less, any claim or dispute may be submitted to binding arbitration at the election of either the Company or the Insured. If the Amount of Insurance is greater than $2,000,000, any claim or dispute may be submitted to binding arbitration only when agreed to by both the Company and the Insured. Arbitration must be conducted pursuant to the Title Insurance Arbitration Rules of the American Land Title Association ("ALTA Rules"). The ALTA Rules are available online at www.alta.org/arbitration. The ALTA Rules incorporate, as appropriate to a particular dispute, the Consumer Arbitration Rules and Commercial Arbitration Rules of the American Arbitration Association ("AAA Rules"). The AAA Rules are available online at www.adr.org.

b. ALL CLAIMS AND DISPUTES MUST BE BROUGHT IN AN INDIVIDUAL CAPACITY. NO PARTY MAY SERVE AS PLAINTIFF, CLASS MEMBER, OR PARTICIPANT IN ANY CLASS, REPRESENTATIVE, OR PRIVATE ATTORNEY GENERAL PROCEEDING IN ANY ARBITRATION GOVERNED BY CONDITION 19. The arbitrator does not have authority to conduct any class action arbitration, private attorney general arbitration, or arbitration involving joint or consolidated claims under any circumstance.

c. *If there is a final judicial determination that a request for particular relief cannot be arbitrated in accordance with this Condition 19, then only that request for particular relief may be brought in court. All other requests for relief remain subject to this Condition 19.*

d. The Company will pay all AAA filing, administration, and arbitrator fees of the consumer when the arbitration seeks relief of $100,000 or less. Other fees will be allocated in accordance with the applicable AAA Rules. The results of arbitration will be binding upon the parties. The arbitrator may consider, but is not bound by, rulings in prior arbitrations involving different parties. The arbitrator is bound by rulings in prior arbitrations involving the same parties to the extent required by law. The arbitrator must issue a written decision sufficient to explain the findings and conclusions on which the award is based. Judgment upon the award rendered by the arbitrator may be entered in any State or federal court having jurisdiction.

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OWNER'S POLICY OF TITLE INSURANCE

ISSUED BY
STEWART TITLE GUARANTY COMPANY

File No.: NCT25062 **Policy No.: O-9010-000228718**

Transaction Identification Data, for which the Company assumes no liability as set forth in Condition 9.d.:
Issuing Agent: **Northern Colorado Title Services Co., Inc.**
Issuing Office: **205 W. Kiowa Avenue, Fort Morgan, CO 80701**
Issuing Office 's ALTA® Registry ID: **0044474**
Issuing Office File No.: **NCT25062**
Property Address: **24592 COUNTY ROAD 19, 24986 COUNTY ROAD 19, Fort Morgan, CO 80701**

SCHEDULE A

Name and Address of Title Insurance Company: Stewart Title Guaranty Company
9700 Bissonnet Street, Suite 150, Mail Code: Policies 187
Houston, TX 77036

Policy No.: O-9010-000228718 Premium: **$8,713.00**

Amount of Insurance: **$4,600,000.00**

Date of Policy: **August 30, 2024 at 12:32 PM**

1. The Insured is:

   CK2 CATTLE COMPANY, LLC

2. The estate or interest in the Land encumbered by this policy is:

   Fee Simple

3. The Title is vested in:

   CK2 CATTLE COMPANY, LLC

4. The Land is described as follows:

   PARCEL A:

   THE NW1/4 AND THE W1/2NE1/4 OF SECTION 32, TOWNSHIP 5 NORTH, RANGE 57 WEST OF THE 6TH P.M., MORGAN COUNTY, COLORADO.

   PARCEL B:

   THAT PART OF THE SW1/4 OF SECTION 19, TOWNSHIP 5 NORTH, RANGE 57 WEST OF THE 6TH P.M., MORGAN COUNTY, COLORADO, LYING WEST OF STATE HIGHWAY 52.

   PARCEL C:

   THAT PART OF THE NW1/4 OF SECTION 30, TOWNSHIP 5 NORTH, RANGE 57 WEST OF THE 6TH P.M.,

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AMERICAN LAND TITLE ASSOCIATION

MORGAN COUNTY, COLORADO, LYING WEST OF STATE HIGHWAY 52.

PARCEL D:

The S1/2S1/2 of Section 15, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

PARCEL E:

The E1/2, E1/2SW1/4 and the NW1/4SW1/4 of Section 22, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

PARCEL F:

All of Section 23 EXCEPT the E1/2SE1/4, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

PARCEL G:

The S1/2 and SW1/4NE1/4 of Section 24, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

AND

A parcel of land known as Parcel 1, in the NW1/4 of Section 19, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado, and in the NE1/4 of Section 24, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado, said parcel being more particularly described as follows:
Commencing at the center quarter of Section 19, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado, thence along the South line of the NW1/4 of said Section 19, South 89°35'47" West, a distance of 1,976.25 feet to the point of beginning;
Thence continuing along said South line, South 89°35'47" West, a distance of 449.71 feet, to the East Quarter of Section 24, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado;
Thence along the South line of the Northeast quarter of said Section 24, South 89°35'47" West, a distance of 1312.60 feet, to the center-east sixteenth corner of said Section 24;
Thence along the West line of the East half of Northeast Quarter of said Section 24, North 00°17'00" West, a distance of 529.44 feet;
Thence departing said West line, South 85°17'11" East a distance of 1316.21 feet, to a point on the East line of said Section 24;
Thence departing said East, South 85°17'11" East, a distance of 521.69 feet;
Thence South 10°20'33" West a distance of 372.04 feet, to a point on the South line of the Northwest Quarter of said Section 19 and more or less, to the point of beginning,
as described in Land Survey Plat recorded September 27, 2018 at Reception No. 1601902.

PARCEL H:

The N1/2 of Section 25, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado, EXCEPT that parcel conveyed to Morgan County in Book 362 at page 409

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AMERICAN LAND TITLE ASSOCIATION

SCHEDULE A
(Continued)

PARCEL I:

The NE1/4, E1/2NW1/4, NW1/4NW1/4, NE1/4SW1/4 and NW1/4SE1/4 of Section 26, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

PARCEL J:

The NE1/4NE1/4 of Section 27, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

Northern Colorado Title Services Co.,
Inc.

Linda L. Reding, Authorized Signatory

STEWART TITLE GUARANTY COMPANY INCORPORATED 1908 TEXAS

Frederick H. Eppinger
President and CEO

David Hisey
Secretary

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AMERICAN LAND TITLE ASSOCIATION

OWNER'S POLICY OF TITLE INSURANCE

ISSUED BY
STEWART TITLE GUARANTY COMPANY

File No.: NCT25062 **Policy No.:** O-9010-000228718

SCHEDULE B

Policy No.: O-9010-000228718

EXCEPTIONS FROM COVERAGE

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

This policy does not insure against loss or damage and the Company will not pay costs, attorneys' fees, or expenses resulting from the terms and conditions of any lease or easement identified in Schedule A, and the following matters:

1. INTENTIONALLY DELETED

2. Any facts, rights, interests or claims which are not shown by the Public Records, but which could be ascertained by an inspection of the Land or by making inquiry of persons in possession thereof.

3. Easements, or claims of easements, not shown by the Public Records.

4. 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.

5. Any lien, or right to a lien, for services, labor or material theretofore or hereafter furnished, imposed by law and not shown in the Public Records.

6. Taxes or special assessments which are a lien or due and payable; or which are not shown as existing liens by the public records; and any tax, special assessments, or charges or liens imposed for water or sewer service, or any other special taxing district, and any unredeemed tax sales.

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; (d) Minerals of whatsoever kind, subsurface and surface substances, in, on, under and that may be produced from the Land, together with all rights, privileges, and immunities relating thereto, whether or not the matters excepted under (a), (b), (c) or (d) are shown by the Public Records or listed in Schedule B.

PARCEL A:

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SCHEDULE B
(Continued)

8. Reservation as contained in United States Patent recorded DECEMBER 22, 1914 in Book 107 at Page 297 (W1/2NE1/4, E1/2NW1/4 32-5-57); AND OCTOBER 24, 1917 IN BOOK 107 AT PAGE 438 (W1/2NW1/4 32-5-57). as follows: Right of way for ditches or canals constructed by the authority of the United States.

9. Right of way for ROAD purposes as specified in ROAD PETITION recorded JULY 21, 1906 in Book 15 at Page 100, said road to be not less than 60 feet in width.

10. WILDCAT CREEK and rights of way therefor, as evidenced by Map and Sworn Statement recorded AUGUST 10, 1908 in Map Book 1 at Page 52.

11. WATTS DITCH and rights of way therefor, as evidenced by Map and Sworn Statement recorded OCTOBER 19, 1907 in Map Book 1 at Page 24.

12. WILDCAT RESERVOIR and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

13. RIVERSIDE CANAL and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 29, 1908 in Map Book 1 at Page 51.

14. PAWNEE PASS RESERVOIR #2 and rights of way therefor, as evidenced by Map and Sworn Statement recorded JANUARY 29, 1896 in File No. 18.

15. PAWNEE PASS RESERVOIR AND CANAL SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

16. SOUTH PLATTE NO. 2 RESERVOIR and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in Map Book 2 at Page 35.

17. WILDCAT RESERVOIR #3 and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

18. WILDCAT RESERVOIR and rights of way therefor, as evidenced by Map and Sworn Statement recorded AUGUST 10, 1908 in Map Book 1 at Page 52.

19. RIVERSIDE WASTEWAY DRAIN and rights of way therefor, as evidenced by Map and Sworn Statement recorded MAY 2, 1910 in Map Book 2 at Page 23.

20. GILMORE COLLECTION & PUMPING SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement recorded OCTOBER 27, 1931 in Map Book 4 at Page 15.

21. RIVERSIDE RESERVOIR NO 2. ENLARGED and rights of way therefor, as evidenced by Map and Sworn Statement recorded OCTOBER 6, 1910 in Map Book 2 at Page 32.

22. An undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by CORINNE B. WHIPPLE in the instrument to FRANK V. WHITNEY AND INA IRENE WHITNEY recorded FEBRUARY 1, 1962 in Book 654 at Page 56, and any and all assignments thereof or interests therein.

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23. Oil and Gas Lease between FRANK V. WHITNEY AND INA WHITNEY and UNION OIL COMPANY OF CALIFORNIA, recorded DECEMBER 23, 1971 in Book 726 at page 940, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

24. Oil and Gas Lease between WAYNE A. WHITNEY AND RHONDA L. WHITNEY and POWERS ENERGY CORP, recorded OCTOBER 27, 1981 in Book 822 at page 340, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

25. Burdens, obligations, terms, conditions, stipulations and restrictions of any and all unrecorded LEASES AND TENANCIES.

26. Right of way and rights incidental thereto for County Roads 30 feet on either side of Section and Township lines as established by the Board of County Commissioners of Morgan County, Colorado, in instrument recorded May 6, 1907 in Book 62 at page 109.

27. Any loss or damage occassioned by the fact that the fence lines do not coincide with the property lines.

28. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (C) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824.

PARCEL B:

29. Reservation as contained in United States Patent recorded FEBRUARY 28, 1908 in Book 44 at page 297 as follows: Right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises and right of way for ditches or canals constructed by the authority of the United States.

30. WILDCAT RESERVOIR and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

31. PAWNEE PASS RESERVOIR AND CANAL SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

32. THE AMENDED RIVERSIDE # 2 and rights of way therefor, as evidenced by Map and Sworn Statement.

33. THE RIVERSIDE RESERVOIR NO. 2 ENLARGED and rights of way therefor, as evidenced by Map and Sworn Statement recorded OCTOBER 27, 1931 in Map Book 2 at Page 32 and THE AMENDED RIVERSIDE #2.

34. The Jackpot Ditch No. 2 and rights of way therefor, as evidenced by Map and Sworn Statement filed March 22, 1909 in Map Book 1 at Page 60.

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35. Right of way for ROAD purposes as specified in ROAD PETITION recorded DECEMBER 18, 1913 in Book 73 at page 53, said road to be not less than 60 feet in width.

36. Right of way for ROAD purposes as specified in ROAD PETITION recorded MARCH 23, 1918 in Book 73 at page 101, said road to be not less than 60 feet in width.

37. Warranty Deed from J.M. DILLE to MORGAN COUNTY conveying a strip of land 60 feet in width, the center line of which is in the W1/2SW1/4 of Section 19, and the NW1/4NW1/4 of Section 30, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado, being more particularly described, as shown in Deed recorded December 13, 1919 in Book 158 at Page 371.

38. Undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by J.M. DILLE in Deed to TONY BETTALE and GERMAINE C. BETTALE, recorded December 31, 1958 in Book 612 at page 235, and any and all assignments thereof or interests therein.

39. All interest in all oil, gas and other mineral rights, as reserved by GERMAINE C. BETTALE in Deed to FRANK V. WHITNEY and INA IRENE WHITNEY, recorded February 9, 1972 in Book 727 at page 862, and any and all assignments thereof or interests therein.

40. Burdens, obligations, terms, conditions, stipulations and restrictions of any and all unrecorded LEASES AND TENANCIES.

41. Right of way and rights incidental thereto for County Roads 30 feet on either side of Section and Township lines as established by the Board of County Commissioners of Morgan County, Colorado, in instrument recorded May 6, 1907 in Book 62 at page 109.

42. Any loss or damage occassioned by the fact that the fence lines do not coincide with the property lines.

43. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (C) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824; (D) COLORADO INTERSTATE GAS COMPANY RECORDED JULY 26, 1984 IN BOOK 858 AT PAGE 228.

PARCEL C:

44. Reservation as contained in United States Patent recorded APRIL 17, 1905 in Book 44 at page 67 as follows: Right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises and right of way for ditches or canals constructed by the authority of the United States.

45. Reservation as contained in United States Patent recorded NOVEMBER 19, 1887 in Book 32 at page 381 as follows: Right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises and right of way for ditches or canals constructed by the authority of the United States.

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46. WILDCAT RESERVOIR and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

47. PAWNEE PASS RESERVOIR AND CANAL SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

48. THE AMENDED RIVERSIDE # 2 and rights of way therefor, as evidenced by Map and Sworn Statement.

49. Right of way for ROAD purposes as specified in ROAD PETITION recorded DECEMBER 18, 1913 in Book 73 at page 53, said road to be not less than 60 feet in width.

50. Right of way for ROAD purposes as specified in ROAD PETITION recorded MARCH 23, 1918 in Book 73 at page 101, said road to be not less than 60 feet in width.

51. Warranty Deed from J.M. DILLE to MORGAN COUNTY conveying a strip of land 60 feet in width, the center line of which is in the W1/2SW1/4 of Section 19, and the NW1/4NW1/4 of Section 30, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado, being more particularly described, as shown in Deed recorded December 13, 1919 in Book 158 at Page 371.

52. Warranty Deed from J.M. DILLE to MORGAN COUNTY conveying a strip of land 100 feet in width through the NW1/4 of Section 30, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado, being more particularly described, as shown in Deed recorded December 13, 1919 in Book 158 at Page 371.

53. Warranty Deed from J.M. DILLE to MORGAN COUNTY conveying a strip of land 100 feet in width through the NE1/4 of Section 25, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado and through the NW1/4 of Section 30, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado, being more particularly described, as shown in Deed recorded September 10, 1937 in Book 362 at Page 409.

54. Undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by J.M. DILLE in Deed to TONY BETTALE and GERMAINE C. BETTALE, recorded December 31, 1958 in Book 612 at page 235, and any and all assignments thereof or interests therein.

55. All interest in all oil, gas and other mineral rights, as reserved by GERMAINE C. BETTALE in Deed to FRANK V. WHITNEY and INA IRENE WHITNEY, recorded February 9, 1972 in Book 727 at page 862, and any and all assignments thereof or interests therein.

56. Burdens, obligations, terms, conditions, stipulations and restrictions of any and all unrecorded LEASES AND TENANCIES.

57. Right of way and rights incidental thereto for County Roads 30 feet on either side of Section and Township lines as established by the Board of County Commissioners of Morgan County, Colorado, in instrument recorded May 6, 1907 in Book 62 at page 109.

58. Any loss or damage occassioned by the fact that the fence lines do not coincide with the property lines.

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59. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (C) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824; (D) COLORADO INTERSTATE GAS COMPANY RECORDED JULY 26, 1984 IN BOOK 858 AT PAGE 228.

PARCEL D:

60. Reservation as contained in United States Patent recorded JANUARY 27, 1923 in Book 176 at Page 56 as follows: Right of way for ditches or canals constructed by the authority of the United States.

61. Right of way for ROAD purposes as specified in ROAD PETITION recorded in Book 73 at Page 36, said road to be not less than 60 feet in width.

62. Jackpot Ditches No. 1 and 2 and rights of way therefor, as evidenced by Map and Sworn Statement recorded March 22, 1909 in Map Book 1 at Page 60.

63. Jackpot Reservoir and Ditch and rights of way therefor, as evidenced by Map and Sworn Statement recorded June 10, 1921 in Map Book 3 at Page 29.

64. An undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by Federal Farm Mortgage Corporation in the instrument to R.A. Hatfield recorded September 15, 1948 in Book 454 at Page 452, and any and all assignments thereof or interests therein.

65. An undivided 1/4 interest in all oil, gas and other mineral rights, as reserved by R.A. Hatfield in the instrument to Henry Jacob Clar and George Joseph Clar recorded April 18, 1955 in Book 549 at Page 137, and any and all assignments thereof or interests therein.

66. Terms, conditions, provisions, agreements, burdens and obligations as contained in OFFER TO LEASE AND LEASE FOR OIL AND GAS between UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT and VECTA OIL AND GAS LTD. recorded AUGUST 24, 2011 at Reception No. 870613.

67. Burdens, obligations, conditions, stipulations and restrictions of any and all unrecorded leases and tenancies.

68. Right of way and rights incidental thereto for County Roads 30 feet on either side of Section and Township lines as established by the Board of County Commissioners of Morgan County, Colorado, in instrument recorded May 6, 1907 in Book 62 at page 109.

69. Any loss or damage occassioned by the fact that the fence lines do not coincide with the property lines.

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70. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) PUBLIC SERVICE COMPANY OF COLORADO RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 514; (C) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (D) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824; AND (E) COLORADO INTERSTATE GAS COMPANY RECORDED JULY 26, 1984 IN BOOK 858 AT PAGE 228.

PARCEL E:

71. Reservation as contained in United States Patent recorded JUNE 4, 1921 in Book 155 at page 397 as follows: Right of way for ditches or canals constructed by the authority of the United States.

72. Reservation as contained in United States Patent recorded MAY 11, 1927 in Book 247 at page 426 as follows: Right of way for ditches or canals constructed by the authority of the United States.

73. Reservation as contained in United States Patent recorded MAY 28, 1921 in Book 176 at page 300 as follows: Right of way for ditches or canals constructed by the authority of the United States.

74. The Jackpot Ditch No. 1 and rights of way therefor, as evidenced by Map and Sworn Statement filed March 22, 1909 in Map Book 1 at page 60.

75. Undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by R.M. Howard in Deed to J.J. Whittington and P.B. Whittington, recorded September 29, 1943 in Book 406 at page 232, and any and all assignments thereof or interests therein.

76. Undivided 1/2 interest in all oil, gas and other mineral rights, as conveyed by R.M. Howard in the Mineral Deed to B.B. Harding and N.K. Bickford, recorded January 21, 1946 in Book 426 at page 66, and any and all assignments thereof or interests therein.

77. Undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by Thelma M. Whittington and Paul B. Whittington in Deed to Frank W. Whitney and Ina Whitney, recorded November 12, 1968 in Book 710 at page 440, and any and all assignments thereof or interests therein.

78. All interest in all oil, gas and other mineral rights, as reserved by Germaine C. Bettale in Deed to Ina Irene Whitney, recorded August 12, 1983 in Book 846 at page 143, re-recorded September 14, 1983 in Book 847 at page 201, and any and all assignments thereof or interests therein.

79. Oil and Gas Lease between U.S. AGBANK, FCB FKA FARM CREDIT BANK OF WICHITA and VECTA OIL & GAS LTD., recorded JANUARY 6, 2009 at Reception No. 853350, and any and all assignments thereof or interests therein.
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80. Oil and Gas Lease between MARILYN W. SAUER ET AL and VECTA OIL & GAS LTD., recorded APRIL 27, 2009 at Reception No. 855492, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

81. Oil and Gas Lease between DONALD W. TIBBETTS and SPRINGFIELD OIL COMPANY, recorded DECEMBER 5, 2011 at Reception No. 872632, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

82. Oil and Gas Lease between CHARLOTTE J. GAUT and SPRINGFIELD OIL COMPANY, recorded DECEMBER 5, 2011 at Reception No. 872633, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

83. Oil and Gas Lease between CLIFFORD CARL WAGNER and SPRINGFIELD OIL COMPANY, recorded DECEMBER 5, 2011 at Reception No. 872634, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

84. Oil and Gas Lease between RICHARD E. TIBBETTS and SPRINGFIELD OIL COMPANY, recorded DECEMBER 5, 2011 at Reception No. 872635, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

85. Oil and Gas Lease between LARADON HALL SOCIETY FOR EXCEPTIONAL CHILDREN AND ADULTS and SPRINGFIELD OIL COMPANY, recorded DECEMBER 21, 2011 at Reception No. 872961, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

86. Oil and Gas Lease between D.P. BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874748, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

87. Oil and Gas Lease between SUBSURFACE BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874749, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

88. Oil and Gas Lease between COBANK, FCB and VECTA OIL & GAS LTD., recorded MARCH 11, 2015 at Reception No. 892345, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

89. Burdens, obligations, conditions, stipulations and restrictions of any and all unrecorded leases and tenancies.

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90. Lack of a right of access from the land to any open public road, street or highway - This exception is necessary because it does not appear from the instruments in the office of the Clerk and Recorder of the county in which the subject property is situated, that any right of access to an open public roadway.

91. Any loss or damage occassioned by the fact that the fence lines do not coincide with the property lines.

92. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (C) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824; (D) COLORADO INTERSTATE GAS COMPANY RECORDED JULY 26, 1984 IN BOOK 858 AT PAGE 228.

PARCEL F:

93. Reservation as contained in United States Patent recorded MAY 28, 1921 in Book 176 at page 300 as follows: Right of way for ditches or canals constructed by the authority of the United States.

94. Reservation as contained in United States Patent recorded NOVEMBER 28, 1919 in Book 155 at page 85 as follows: Right of way for ditches or canals constructed by the authority of the United States.

95. Reservation as contained in United States Patent recorded SEPTEMBER 11, 1920 in Book 155 at page 269 as follows: Right of way for ditches or canals constructed by the authority of the United States.

96. Reservation as contained in United States Patent recorded JUNE 4, 1921 in Book 155 at page 397 as follows: Right of way for ditches or canals constructed by the authority of the United States.

97. Reservation as contained in United States Patent recorded APRIL 16, 1919 in Book 107 at page 507 as follows: Right of way for ditches or canals constructed by the authority of the United States.

98. The Jackpot Ditch No. 1 and rights of way therefor, as evidenced by Map and Sworn Statement filed March 22, 1909 in Map Book 1 at page 60.

99. Undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by R.M. Howard in Deed to J.J. Whittington and P.B. Whittington, recorded September 29, 1943 in Book 406 at page 232, and any and all assignments thereof or interests therein.

100. Undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by Edward J. Weckbach in Deed to John J. Whittington, recorded September 26, 1944 in Book 415 at page 37, and any and all assignments thereof or interests therein.

101. Undivided 1/2 interest in all oil, gas and other mineral rights, as conveyed by R.M. Howard in the Mineral Deed to B.B. Harding and N.K. Bickford, recorded January 21, 1946 in Book 426 at page 66, and any and all assignments thereof or interests therein.

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102. Undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by Thelma M. Whittington and Paul B. Whittington in Deed to Frank W. Whitney and Ina Whitney, recorded November 12, 1968 in Book 710 at page 440, and any and all assignments thereof or interests therein.

103. All interest in all oil, gas and other mineral rights, as reserved by Germaine C. Bettale in Deed to Ina Irene Whitney, recorded August 12, 1983 in Book 846 at page 143, re-recorded September 14, 1983 in Book 847 at page 201, and any and all assignments thereof or interests therein.

104. Oil and Gas Lease between U.S. AGBANK, FCB FKA FARM CREDIT BANK OF WICHITA and VECTA OIL & GAS LTD., recorded JANUARY 6, 2009 at Reception No. 853351, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

105. Oil and Gas Lease between U.S. AGBANK, FCB FKA FARM CREDIT BANK OF WICHITA and VECTA OIL & GAS LTD., recorded JANUARY 6, 2009 at Reception No. 853352, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

106. Oil and Gas Lease between U.S. AGBANK, FCB FKA FARM CREDIT BANK OF WICHITA and VECTA OIL & GAS LTD., recorded JANUARY 6, 2009 at Reception No. 853353, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

107. Oil and Gas Lease between MARILYN W. SAUER ET AL and VECTA OIL & GAS LTD., recorded APRIL 27, 2009 at Reception No. 855492, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

108. Oil and Gas Lease between MARILYN W. SAUER ET AL and VECTA OIL & GAS, LTD., recorded JANUARY 4, 2011 at Reception No. 866212, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

109. Oil and Gas Lease between MORTIMER I. GORDON and DENVER OIL OPERATING COMPANY, LLC, recorded SEPTEMBER 2, 2011 at Reception No. 870839, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

110. Oil and Gas Lease between DANIEL J. GORDON and DENVER OIL OPERATING COMPANY, LLC, recorded SEPTEMBER 2, 2011 at Reception No. 870840, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

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111. Oil and Gas Lease between LARADON HALL SOCIETY FOR EXCEPTIONAL CHILDREN AND ADULTS and SPRINGFIELD OIL COMPANY, recorded DECEMBER 21, 2011 at Reception No. 872961, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

112. Oil and Gas Lease between MARILYN W. SAUER ET AL and SPRINGFIELD OIL COMPANY, recorded DECEMBER 21, 2011 at Reception No. 872962, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

113. Oil and Gas Lease between D.P. BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874748, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

114. Oil and Gas Lease between SUBSURFACE BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874749, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

115. Burdens, obligations, conditions, stipulations and restrictions of any and all unrecorded leases and tenancies.

116. Lack of a right of access from the land to any open public road, street or highway - This exception is necessary because it does not appear from the instruments in the office of the Clerk and Recorder of the county in which the subject property is situated, that any right of access to an open public roadway.

117. Any loss or damage occassioned by the fact that the fence lines do not coincide with the property lines.

118. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (C) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824; (D) COLORADO INTERSTATE GAS COMPANY RECORDED JULY 26, 1984 IN BOOK 858 AT PAGE 228.

PARCEL G:

119. Reservation as contained in United States Patent recorded NOVEMBER 28, 1919 in Book 155 at page 85 as follows: Right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises and right of way for ditches or canals constructed by the authority of the United States.

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120. Reservation as contained in United States Patent recorded JANUARY 5, 1916 in Book 107 at page 181 as follows: Right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises and right of way for ditches or canals constructed by the authority of the United States.

121. Reservation as contained in United States Patent recorded MARCH 26, 1923 in Book 176 at page 71 as follows: Right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises and right of way for ditches or canals constructed by the authority of the United States.

122. Reservation as contained in United States Patent recorded APRIL 16, 1919 in Book 107 at page 507 as follows: Right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises and right of way for ditches or canals constructed by the authority of the United States.

123. WILDCAT RESERVOIR / THE PAWNEE PASS RESERVOIR AND CANAL SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

124. THE WILDCAT RESERVOIR and rights of way therefor, as evidenced by Map and Sworn Statement recorded AUGUST 10, 1908 in Map Book 1 at Page 52.

125. THE RIVERSIDE RESERVOIR NO. 2 ENLARGED and rights of way therefor, as evidenced by Map and Sworn Statement recorded OCTOBER 27, 1931 in Map Book 2 at Page 32 and THE AMENDED RIVERSIDE #2.

126. THE JACKPOT DITCH NO 1 and rights of way therefor, as evidenced by Map and Sworn Statement recorded MARCH 22, 1909 in Map Book 1 at Page 60.

127. THE ENLARGEMENT OF RIVERSIDE RESERVOIR NO. 2 (formerly called the Wild Cat Reservoir) and rights of way therefor, as evidenced by Map and Sworn Statement recorded OCTOBER 6, 1910 in Map Book 2 at Page 32.

128. PAWNEE PASS RESERVOIR AND CANAL SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

129. GILLMORE COLLECTION AND PUMPING SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement recorded OCTOBER 27, 1931 in File No. 4.

130. An undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by EDWARD J. WECKBACH in the instrument to JOHN J WHITTINGTON recorded SEPTEMBER 26, 1944 in Book 415 at Page 37, and any and all assignments thereof or interests therein.

131. An undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by THELMA M. WHITTINGTON and PAUL B. WHITTINGTON in the instrument to FRANK W. WHITNEY and INA WHITNEY recorded NOVEMBER 12, 1968 in Book 710 at Page 440, and any and all assignments thereof or interests therein.

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132. All interest in oil, gas and other mineral rights as reserved by GERMAINE C. BETTALE in DEED to INA IRENE WHITNEY recorded AUGUST 12, 1983 in Book 846 at Page 143 and corrected in Book 847 at page 201, and any and all assignments thereof or interests therein.

133. Oil and Gas Lease between GERMAINE C. BETTALE and IMPACT ENERGY INC., recorded DECEMBER 16, 1981 in Book 824 at page 287, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

134. Oil and Gas Lease between us agbank fcb and SPRINGFIELD OIL COMPANY, recorded JANUARY 4, 2012 at Reception No. 873174, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

135. Oil and Gas Lease between D.P. BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874748, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

136. Oil and Gas Lease between SUBSURFACE BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874749, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

137. An undivided 1/2 interest in all oil, gas and other mineral rights, as conveyed by LAWS RANCH & CATTLE COMPANY, LLC in the instrument to JAMES D. WHITNEY and BECKY M. WHITNEY recorded NOVEMBER 20, 2018 at Reception No. 915433, and any and all assignments thereof or interests therein.

138. An undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by LAWS RANCH & CATTLE COMPANY, LLC in the instrument to JAMES D. WHITNEY and BECKY M. WHITNEY recorded NOVEMBER 20, 2018 at Reception No. 915433, and any and all assignments thereof or interests therein.

139. Burdens, obligations, terms, conditions, stipulations and restrictions of any and all unrecorded LEASES AND TENANCIES.

140. Lack of a right of access from the land to any open public road, street or highway - This exception is necessary because it does not appear from the instruments in the office of the Clerk and Recorder of the county in which the subject property is situated, that any right of access to an open public roadway.

141. Any loss or damage occassioned by the fact that the fence lines do not coincide with the property lines.

142. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (C) COLORADO INTERSTATE GAS COMPANY RECORDED JULY 26, 1984 IN BOOK 858 AT PAGE 228; AND (D) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824.

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PARCEL H:

143. Reservation as contained in United States Patent recorded NOVEMBER 28, 1919 in Book 155 at page 85 as follows: Right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises and right of way for ditches or canals constructed by the authority of the United States.

144. Reservation as contained in United States Patent recorded SEPTEMBER 7, 1920 in Book 155 at page 267 as follows: Right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises and right of way for ditches or canals constructed by the authority of the United States.

145. Right of way for ROAD purposes as specified in ROAD PETITION recorded JULY 21, 1906 in Book 15 at Page 100, said road to be not less than 60 feet in width.

146. WILDCAT RESERVOIR / THE PAWNEE PASS RESERVOIR AND CANAL SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

147. THE WILDCAT RESERVOIR and rights of way therefor, as evidenced by Map and Sworn Statement recorded AUGUST 10, 1908 in Map Book 1 at Page 52.

148. THE RIVERSIDE RESERVOIR NO. 2 ENLARGED and rights of way therefor, as evidenced by Map and Sworn Statement recorded OCTOBER 27, 1931 in Map Book 2 at Page 32 and THE AMENDED RIVERSIDE #2.

149. THE JACKPOT DITCH NO 1 and rights of way therefor, as evidenced by Map and Sworn Statement recorded MARCH 22, 1909 in Map Book 1 at Page 60.

150. THE ENLARGEMENT OF RIVERSIDE RESERVOIR NO. 2 (formerly called the Wild Cat Reservoir) and rights of way therefor, as evidenced by Map and Sworn Statement recorded OCTOBER 6, 1910 in Map Book 2 at Page 32.

151. PAWNEE PASS RESERVOIR AND CANAL SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement recorded JULY 1, 1896 in File No. 20.

152. GILLMORE COLLECTION AND PUMPING SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement recorded OCTOBER 27, 1931 in File No. 4.

153. All interest in oil, gas and other mineral rights as reserved by GERMAINE C. BETTALE in DEED to INA IRENE WHITNEY recorded AUGUST 12, 1983 in Book 846 at Page 143 and corrected in Book 847 at page 201, and any and all assignments thereof or interests therein.

154. Oil and Gas Lease between GERMAINE C. BETTALE and IMPACT ENERGY INC., recorded DECEMBER 16, 1981 in Book 824 at page 287, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

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155. Oil and Gas Lease between US AGBANK and SPRINGFIELD OIL COMPANY, recorded JANUARY 4, 2012 at Reception No. 873175, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

156. Oil and Gas Lease between D.P. BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874748, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

157. Oil and Gas Lease between SUBSURFACE BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874749, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

158. An undivided 1/2 interest in all oil, gas and other mineral rights, as conveyed by LAWS RANCH & CATTLE COMPANY, LLC in the instrument to JAMES D. WHITNEY and BECKY M. WHITNEY recorded NOVEMBER 20, 2018 at Reception No. 915433, and any and all assignments thereof or interests therein.

159. An undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by LAWS RANCH & CATTLE COMPANY, LLC in the instrument to JAMES D. WHITNEY and BECKY M. WHITNEY recorded NOVEMBER 20, 2018 at Reception No. 915433, and any and all assignments thereof or interests therein.

160. Burdens, obligations, terms, conditions, stipulations and restrictions of any and all unrecorded LEASES AND TENANCIES.

161. Right of way and rights incidental thereto for County Roads 30 feet on either side of Section and Township lines as established by the Board of County Commissioners of Morgan County, Colorado, in instrument recorded May 6, 1907 in Book 62 at page 109.

162. Any loss or damage occassioned by the fact that the fence lines do not coincide with the property lines.

163. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (C) COLORADO INTERSTATE GAS COMPANY RECORDED JULY 26, 1984 IN BOOK 858 AT PAGE 228; AND (D) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824.

PARCEL I:

164. Reservation as contained in United States Patent recorded NOVEMBER 28, 1919 in Book 155 at page 85 as follows: Right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premises and right of way for ditches or canals constructed by the authority of the United States.

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165. Reservation as contained in United States Patent recorded SEPTEMBER 11, 1920 in Book 155 at page 269 as follows: Right of way for ditches or canals constructed by the authority of the United States.

166. Reservation as contained in United States Patent recorded JUNE 4, 1921 in Book 155 at page 397 as follows: Right of way for ditches or canals constructed by the authority of the United States.

167. Right of way for ROAD purposes as specified in ROAD PETITION recorded JULY 21, 1906 in Book 15 at Page 100, said road to be not less than 60 feet in width.

168. All interest in all oil, gas and other mineral rights, as reserved by Germaine C. Bettale in Deed to Ina Irene Whitney, recorded August 12, 1983 in Book 846 at page 143, re-recorded September 14, 1983 in Book 847 at page 201, and any and all assignments thereof or interests therein.

169. Oil and Gas Lease between U.S. AGBANK, FCB and VECTA OIL & GAS LTD, recorded JANUARY 6, 2009 at Reception No. 853354, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

170. Oil and Gas Lease between U.S. AGBANK, FCB and VECTA OIL & GAS LTD, recorded JANUARY 6, 2009 at Reception No. 853355, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

171. Oil and Gas Lease between U.S. AGBANK, FCB and VECTA OIL & GAS LTD, recorded JANUARY 6, 2009 at Reception No. 853356, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

172. Oil and Gas Lease between D.P. BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874748, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

173. Oil and Gas Lease between SUBSURFACE BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874749, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

174. Oil and Gas Lease between COBANK, FCB and VECTA OIL & GAS LTD., recorded MARCH 11, 2015 at Reception No. 892345, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

175. Burdens, obligations, terms, conditions, stipulations and restrictions of any and all unrecorded LEASES AND TENANCIES.

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176. Right of way and rights incidental thereto for County Roads 30 feet on either side of Section and Township lines as established by the Board of County Commissioners of Morgan County, Colorado, in instrument recorded May 6, 1907 in Book 62 at page 109.

177. Any loss or damage occassioned by the fact that the fence lines do not coincide with the property lines.

178. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (C) COLORADO INTERSTATE GAS COMPANY RECORDED JULY 26, 1984 IN BOOK 858 AT PAGE 228; AND (D) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824.

PARCEL J:

179. Reservation as contained in United States Patent recorded JUNE 4, 1921 in Book 155 at page 397 as follows: Right of way for ditches or canals constructed by the authority of the United States.

180. All interest in all oil, gas and other mineral rights, as reserved by Germaine C. Bettale in Deed to Ina Irene Whitney, recorded August 12, 1983 in Book 846 at page 143, re-recorded September 14, 1983 in Book 847 at page 201, and any and all assignments thereof or interests therein.

181. Oil and Gas Lease between U.S. AGBANK, FCB and VECTA OIL & GAS LTD., recorded JANUARY 6, 2009 at Reception No. 853357, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

182. Oil and Gas Lease between D.P. BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874748, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

183. Oil and Gas Lease between SUBSURFACE BROKERAGE LLC and SPRINGFIELD OIL COMPANY, recorded MARCH 23, 2012 at Reception No. 874749, and any and all assignments thereof or interests therein. NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

184. Oil and Gas Lease between COBANK, FCB and VECTA OIL & GAS LTD., recorded MARCH 11, 2015 at Reception No. 892345, and any and all assignments thereof or interests therein.
NOTE: The Company makes no representation as to the present ownership of any such interests. There may be leases, grants, exceptions or reservations of interests that are not listed.

185. Burdens, obligations, terms, conditions, stipulations and restrictions of any and all unrecorded LEASES AND TENANCIES.

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186. Lack of a right of access from the land to any open public road, street or highway - This exception is necessary because it does not appear from the instruments in the office of the Clerk and Recorder of the county in which the subject property is situated, that any right of access to an open public roadway.

187. Any loss or damage occassioned by the fact that the fence lines do not coincide with the property lines.

188. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (C) COLORADO INTERSTATE GAS COMPANY RECORDED JULY 26, 1984 IN BOOK 858 AT PAGE 228; AND (D) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824.

189. ALL PARCELS:

EXCEPTING AND RESERVING 50% of all oil, gas and other mineral rights presently owned by them in and to the subject property for 10 years from date of closing as reserved in Deed from JAMES D. WHITNEY and BECKY M. WHITNEY to CK2 CATTLE COMPANY, LLC, recorded August 30, 2024 at Reception No.952819, and any and all assignments thereof or interests therein.

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AMERICAN LAND TITLE ASSOCIATION

NORTHERN COLORADO TITLE SERVICES CO., INC.
205 W. KIOWA AVENUE
FORT MORGAN, CO 80701
TELEPHONE (970)867-0233 * FAX (970)867-7750**

DATE: March 24, 2025
ORDER NO.: NCT25421
PROPERTY ADDRESS: VACANT, CO

OWNER/PURCHASER: RIVERSIDE IRRIGATION DISTRICT
TO BE DETERMINED

PLEASE DELIVER TO THE FOLLOWING CUSTOMERS:

X **To: THE ENGINEERING LLC** [redacted] **ATTN: ERIN KRESS**

Fax No.:

ATTACHED PLEASE FIND THE FOLLOWING ITEM(S) IN CONNECTION WITH THE ABOVE CAPTIONED ORDER. SHOULD YOU HAVE ANY QUESTIONS REGARDING THE ATTACHED DOCUMENTATION, PLEASE CONTACT LINDA, AUBREY, LISA OR SHERYL. FOR CLOSING ASSISTANCE, PLEASE CONTACT LINDA OR LISA. WE APPRECIATE YOUR BUSINESS VERY MUCH AND LOOK FORWARD TO SERVING YOU IN THIS TRANSACTION.

E-MAIL ADDRESS FOR CLOSING DOCUMENTS: closing@ncts.com
HAVE A WONDERFUL DAY!!!

X	**TBD COMMITMENT**	____	OWNERS TITLE POLICY
	AMT DUE IS ON SCHEDULE A (INVOICE)		
____	PROPERTY REPORT	____	MORTGAGEES TITLE POLICY
	AMT DUE IS ON PROPERTY REPORT (INVOICE)		
____	MORTGAGE/FORECOSURE GUARANTY	____	DOCUMENTS
____	SURVEY / ILC	**X**	**INVOICE**

Invoice

Remit payment to:

Northern Colorado Title Services Co., Inc.
205 W. Kiowa Avenue
Fort Morgan, CO 80701
(970)867-0233

Billed to:

THE ENGINEERING LLC

Attn: ERIN KRESS

Invoice number: NCT25421-1
Invoice date: March 24, 2025
Please pay before: March 24, 2025
Our file number: NCT25421

Property:
VACANT
CO
MORGAN County

DESCRIPTION	AMOUNT
TO BE DETERMINED - 30,31/5/57 - RIVERSIDE IRRIGATION COMPANY	400.00
Invoice total amount due:	$ 400.00

Thank You For Your Business!

ALTA COMMITMENT FOR TITLE INSURANCE (07-01-2021)

ISSUED BY
STEWART TITLE GUARANTY COMPANY

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, STEWART TITLE GUARANTY COMPANY, a Texas corporation (the "Company"), commits to issue the Policy according to the terms and provisions of this Commitment. This Commitment is effective as of the Commitment Date shown in Schedule A for each Policy described in Schedule A, only when the Company has entered in Schedule A both the specified dollar amount as the Proposed Amount of Insurance and the name of the Proposed Insured.

If all of the Schedule B, Part I - Requirements have not been met within six months after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

Northern Colorado Title Services Co., Inc.

Linda L. Reding, Authorized Signatory

STEWART TITLE GUARANTY COMPANY INCORPORATED 1908 TEXAS

Frederick H. Eppinger
President and CEO

David Hisey
Secretary

This page is only a part of a 2021 ALTA® Commitment for Title Insurance. This Commitment is not valid without the Notice; the Commitment to Issue Policy; the Commitment Conditions; Schedule A; Schedule B, Part I - Requirements; and Schedule B, Part II - Exceptions; and a countersignature by the Company or its issuing agent that may be in electronic form.

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COMMITMENT CONDITIONS

1. DEFINITIONS

a. "Discriminatory Covenant": Any covenant, condition, restriction, or limitation that is unenforceable under applicable law because it illegally discriminates against a class of individuals based on personal characteristics such as race, color, religion, sex, sexual orientation, gender identity, familial status, disability, national origin, or other legally protected class.
b. "Knowledge" or "Known": Actual knowledge or actual notice, but not constructive notice imparted by the Public Records.
c. "Land": The land described in Item 5 of Schedule A and improvements located on that land that by State law constitute real property. The term "Land" does not include any property beyond that described in Schedule A, nor any right, title, interest, estate, or easement in any abutting street, road, avenue, alley, lane, right-of-way, body of water, or waterway, but does not modify or limit the extent that a right of access to and from the Land is to be insured by the Policy.
d. "Mortgage": A mortgage, deed of trust, trust deed, security deed, or other real property security instrument, including one evidenced by electronic means authorized by law.
e. "Policy": Each contract of title insurance, in a form adopted by the American Land Title Association, issued or to be issued by the Company pursuant to this Commitment.
f. "Proposed Amount of Insurance": Each dollar amount specified in Schedule A as the Proposed Amount of Insurance of each Policy to be issued pursuant to this Commitment.
g. "Proposed Insured": Each person identified in Schedule A as the Proposed Insured of each Policy to be issued pursuant to this Commitment.
h. "Public Records": The recording or filing system established under State statutes in effect at the Commitment Date under which a document must be recorded or filed to impart constructive notice of matters relating to the Title to a purchaser for value without Knowledge. The term "Public Records" does not include any other recording or filing system, including any pertaining to environmental remediation or protection, planning, permitting, zoning, licensing, building, health, public safety, or national security matters.
i. "State": The state or commonwealth of the United States within whose exterior boundaries the Land is located. The term "State" also includes the District of Columbia, the Commonwealth of Puerto Rico, the U.S. Virgin Islands, and Guam.
j. "Title": The estate or interest in the Land identified in Item 3 of Schedule A.

2. If all of the Schedule B, Part I - Requirements have not been met within the time period specified in the Commitment to Issue Policy, this Commitment terminates and the Company's liability and obligation end.

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

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

4. COMPANY'S RIGHT TO AMEND

The Company may amend this Commitment at any time. If the Company amends this Commitment to add a defect, lien, encumbrance, adverse claim, or other matter recorded in the Public Records prior to the Commitment Date, any liability of the Company is limited by Commitment Condition 5. The Company is not liable for any other amendment to this Commitment.

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5. LIMITATIONS OF LIABILITY

a. The Company's liability under Commitment Condition 4 is limited to the Proposed Insured's actual expense incurred in the interval between the Company's delivery to the Proposed Insured of the Commitment and the delivery of the amended Commitment, resulting from the Proposed Insured's good faith reliance to:
   i. comply with the Schedule B, Part I - Requirements;
   ii. eliminate, with the Company's written consent, any Schedule B, Part II - Exceptions; or
   iii. acquire the Title or create the Mortgage covered by this Commitment.

b. The Company is not liable under Commitment Condition 5.a. if the Proposed Insured requested the amendment or had Knowledge of the matter and did not notify the Company about it in writing.

c. The Company is only liable under Commitment Condition 4 if the Proposed Insured would not have incurred the expense had the Commitment included the added matter when the Commitment was first delivered to the Proposed Insured.

d. The Company's liability does not exceed the lesser of the Proposed Insured's actual expense incurred in good faith and described in Commitment Condition 5.a. or the Proposed Amount of Insurance.

e. The Company is not liable for the content of the Transaction Identification Data, if any.

f. The Company is not obligated to issue the Policy referred to in this Commitment unless all of the Schedule B, Part I - Requirements have been met to the satisfaction of the Company.

g. The Company's liability is further limited by the terms and provisions of the Policy to be issued to the Proposed Insured.

6. LIABILITY OF THE COMPANY MUST BE BASED ON THIS COMMITMENT; CHOICE OF LAW AND CHOICE OF FORUM

a. Only a Proposed Insured identified in Schedule A, and no other person, may make a claim under this Commitment.

b. Any claim must be based in contract under the State law of the State where the Land is located and is restricted to the terms and provisions of this Commitment. Any litigation or other proceeding brought by the Proposed Insured against the Company must be filed only in a State or federal court having jurisdiction.

c. This Commitment, as last revised, is the exclusive and entire agreement between the parties with respect to the subject matter of this Commitment and supersedes all prior commitment negotiations, representations, and proposals of any kind, whether written or oral, express or implied, relating to the subject matter of this Commitment.

d. The deletion or modification of any Schedule B, Part II—Exception does not constitute an agreement or obligation to provide coverage beyond the terms and provisions of this Commitment or the Policy.

e. Any amendment or endorsement to this Commitment must be in writing and authenticated by a person authorized by the Company.

f. When the Policy is issued, all liability and obligation under this Commitment will end and the Company's only liability will be under the Policy.

7. IF THIS COMMITMENT IS ISSUED BY AN ISSUING AGENT

The issuing agent is the Company's agent only for the limited purpose of issuing title insurance commitments and policies. The issuing agent is not the Company's agent for closing, settlement, escrow, or any other purpose.

8. PRO-FORMA POLICY

The Company may provide, at the request of a Proposed Insured, a pro-forma policy illustrating the coverage that the Company may provide. A pro-forma policy neither reflects the status of Title at the time that the pro-forma policy is delivered to a Proposed Insured, nor is it a commitment to insure.

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9. CLAIMS PROCEDURES

This Commitment incorporates by reference all Conditions for making a claim in the Policy to be issued to the Proposed Insured. Commitment Condition 9 does not modify the limitations of liability in Commitment Conditions 5 and 6.

10. CLASS ACTION

ALL CLAIMS AND DISPUTES ARISING OUT OF OR RELATING TO THIS COMMITMENT, INCLUDING ANY SERVICE OR OTHER MATTER IN CONNECTION WITH ISSUING THIS COMMITMENT, ANY BREACH OF A COMMITMENT PROVISION, OR ANY OTHER CLAIM OR DISPUTE ARISING OUT OF OR RELATING TO THE TRANSACTION GIVING RISE TO THIS COMMITMENT, MUST BE BROUGHT IN AN INDIVIDUAL CAPACITY. NO PARTY MAY SERVE AS PLAINTIFF, CLASS MEMBER, OR PARTICIPANT IN ANY CLASS OR REPRESENTATIVE PROCEEDING. ANY POLICY ISSUED PURSUANT TO THIS COMMITMENT WILL CONTAIN A CLASS ACTION CONDITION.

11. ARBITRATION (INTENTIONALLY DELETED)

STEWART TITLE GUARANTY COMPANY

All notices required to be given the Company and any statement in writing required to be furnished the Company shall be addressed to it at: Stewart Title Guaranty Company, P.O. Box 2029, Mail Code: Policies 187, Houston, TX 77036.

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ALTA COMMITMENT FOR TITLE INSURANCE (07-01-2021)
SCHEDULE A

ISSUED BY
STEWART TITLE GUARANTY COMPANY

Transaction Identification Data, for which the Company assumes no liability as set forth in Commitment Condition 5.e.:
Issuing Agent: Northern Colorado Title Services Co., Inc.
Issuing Office: 205 W. Kiowa Avenue, Fort Morgan, CO 80701
Issuing Office's ALTA® Registry ID: 0044474
Commitment No.: NCT25421
Issuing Office File No.: NCT25421
Property Address: VACANT, CO

1. Commitment Date: **March 21, 2025 at 08:00 AM**

2. Policy or Polices to be issued:

	AMOUNT:	PREMIUM:
ALTA Owners Policy (07/01/21)	**TBD**	**$400.00**

Proposed Insured: TO BE DETERMINED

Other Charges:

TOTAL DUE: $400.00

NOTE: A Minimum Fee of $115.00 will be charged if file is cancelled.

3. The estate or interest in the Land at the Commitment Date is:

Fee Simple

4. The Title is, at the Commitment Date, vested in:

RIVERSIDE IRRIGATION DISTRICT

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5. The Land is described as follows:

Lots 1, 2, 3 and 4 (aka W1/2W1/2), E1/2W1/2, and the E1/2 of Section 30, Township 5 North, Range 57 West of the 6th P.M., EXCEPT Colorado State Highway No. 52 and that portion West of Highway No. 52, Morgan County, Colorado.

and commonly known as (for informational purposes only): **24975 COUNTY ROAD 19, FORT MORGAN, CO 80701**

AND

Lots 1 and 2, E1/2NW1/4 and NE1/4 (aka N1/2) of Section 31, Township 5 North, Range 57 West of the 6th P.M, Morgan County, Colorado.

and commonly known as (for informational purposes only): **VACANT, CO**

stewart
title guaranty company

Northern Colorado Title Services Co., Inc.

_____
Linda L. Reding, Authorized Signatory

STEWART TITLE GUARANTY COMPANY INCORPORATED 1908 TEXAS

Frederick H. Eppinger
President and CEO

Denise Carraux
Secretary

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ALTA COMMITMENT FOR TITLE INSURANCE (07-01-2021)
SCHEDULE B PART I

ISSUED BY
STEWART TITLE GUARANTY COMPANY

Requirements

File No.: NCT25421

All of the following Requirements must be met:

1. The 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.

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

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

4. 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.

    a. Proper Deed from RIVERSIDE IRRIGATION DISTRICT to TO BE DETERMINED, conveying the land described herein.

    b. Dollar amount of Policy coverage must be provided to the Company.

    c. The Company reserves the right to assert additional requirements or exceptions regarding the Grantee(s) when they are designated.

    NOTE: Statement of Authority for RIVERSIDE IRRIGATION DISTRICT recorded SEPTEMBER 19, 2012 at Reception No. 878003 discloses the following person has the authority to execute documents affecting title on behalf of the entity:
    WADE CASTOR, President

Valid as a Commitment for an ALTA Policy only if attached to a countersigned Commitment for Title Insurance, a Schedule A, a Schedule B - Section II and a Schedule C (if applicable) with matching Commitment Numbers.

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ALTA COMMITMENT FOR TITLE INSURANCE (07-01-2021)
SCHEDULE B PART II

ISSUED BY
STEWART TITLE GUARANTY COMPANY

Exceptions

File No.: NCT25421

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

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

1. Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date on which all of the Schedule B, Part I - Requirements are met.

2. Any facts, rights, interests or claims which are not shown by the Public Records, but which could be ascertained by an inspection of the Land or by making inquiry of persons in possession thereof.

3. Easements, or claims of easements, not shown by the Public Records.

4. 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.

5. Any lien, or right to a lien, for services, labor or material theretofore or hereafter furnished, imposed by law and not shown in the Public Records.

6. Taxes or special assessments which are a lien or due and payable; or which are not shown as existing liens by the public records; and any tax, special assessments, or charges or liens imposed for water or sewer service, or any other special taxing district, and any unredeemed tax sales.

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; (d) Minerals of whatsoever kind, subsurface and surface substances, in, on, under and that may be produced from the Land, together with all rights, privileges, and immunities relating thereto, whether or not the matters excepted under (a), (b), (c) or (d) are shown by the Public Records or listed in Schedule B.

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8. Subject to any vested and accrued water rights for mining, agricultural, manufacturing or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local customs, laws and decisions or as provided by law; and also subject to the right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premisis hereby granted, as provided by law, as contained in United States Patent to OSCAR LERIS, dated NOVEMBER 19, 1887, recorded MARCH 21, 1895 in Book 32 at page 381. (S1/2SE1/4 Section 30)

9. Subject to any vested and accrued water rights for mining, agricultural, manufacturing or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local customs, laws and decisions or as provided by law; and also subject to the right of the proprietor of a vein or lode to extract and remove his ore therefrom, should the same be found to penetrate or intersect the premisis hereby granted, as provided by law, and there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States, as contained in United States Patent to JOHN I. AUSMUS, dated APRIL 17, 1905, recorded FEBRUARY 28, 1908 in Book 44 at page 67. (N1/2NW1/4 Section 30)

10. Subject to any vested and accrued water rights for mining, agricultural, manufacturing or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local customs, laws and decisions or as provided by law; and there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States, as contained in United States Patent to GEORGE A. DILLIE, dated JULY 11, 1917, recorded DECEMBER 7, 1917 in Book 107 at page 449. (N1/2SE1/4, SE1/4NW1/4, SE1/4SW1/4 Section 30)

11. Subject to any vested and accrued water rights for mining, agricultural, manufacturing or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local customs, laws and decisions or as provided by law; and there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States, as contained in United States Patent to WILLIAM V. HODGES, dated MARCH 5, 1918, recorded MARCH 31, 1920 in Book 107 at page 554.

12. Subject to any vested and accrued water rights for mining, agricultural, manufacturing or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local customs, laws and decisions or as provided by law; and there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States, as contained in United States Patent to LAWRENCE J. REID, dated JUNE 29, 1920, recorded JULY 29, 1920 in Book 107 at page 568. (Section 31)

13. Subject to any vested and accrued water rights for mining, agricultural, manufacturing or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local customs, laws and decisions or as provided by law; and there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States, as contained in United States Patent to OSCAR I. MOON, dated DECEMBER 4, 1919, recorded SEPTEMBER 7, 1920 in Book 155 at page 267. (Lots 2 and 3 Section 30)

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14. Subject to any vested and accrued water rights for mining, agricultural, manufacturing or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local customs, laws and decisions or as provided by law; and there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States, as contained in United States Patent to G. FRANK SHELBY, Assignee of HARRY I. SHELBY, dated OCTOBER 11, 1922, recorded OCTOBER 16, 1928 in Book 263 at page 62. (NW1/4NE1/4 Section 30)

15. Subject to any vested and accrued water rights for mining, agricultural, manufacturing or other purposes, and rights to ditches and reservoirs used in connection with such water rights as may be recognized and acknowledged by the local customs, laws and decisions or as provided by law; and there is reserved from the lands hereby granted, a right of way thereon for ditches or canals constructed by the authority of the United States, as contained in United States Patent to IRVIN J. MCCRARY, dated APRIL 21, 1922, recorded NOVEMBER 24, 1958 in Book 608 at page 486. (NE1/4NE1/4 Section 30)

16. RIVERSIDE RESERVOIR NO. 2, enlarged, and rights of way therefor, as evidenced by Map and Sworn Statement in Map Book 2 at page 32. (Section 30)

17. AMENDED RIVERSIDE RESERVOIR NO. 2 and rights of way therefor, as evidenced by Map and Sworn Statement.

18. PAWNEE PASS RESERVOIR AND CANAL SYSTEM AND CANAL NO. 3 and rights of way therefor, as evidenced by Map and Sworn Statement filed JULY 1, 1896 in Map File No. 20.

19. WILDCAT RESERVOIR and rights of way therefor, as evidenced by Map and Sworn Statement filed JULY 1, 1896 in Map File No. 20.

20. KITTEN RESERVOIR NO. 1 and rights of way therefor, as evidenced by Map and Sworn Statement filed SEPTEMBER 26, 1908 in Map Book 1 at page 53. (Section 31)

21. GILMORE COLLECTION & PUMPING SYSTEM and rights of way therefor, as evidenced by Map and Sworn Statement filed OCTOBER 27, 1931 in Map File No. 4.

22. Right of way for ROAD PURPOSES as specified in that road petition recorded JULY 21, 1906 in Book 15 at page 100, said road to be not less than 60 feet in width.

23. Right of way for ROAD PURPOSES as specified in that road petition recorded DECEMBER 18, 1913 in Book 73 at page 53, said road to be not less than 60 feet in width.

24. Right of way for ROAD PURPOSES as specified in that road petition recorded MARCH 23, 1918 in Book 73 at page 101, said road to be not less than 60 feet in width. (Section 30)

25. Easement and right of way 100 feet in width in the NW1/4 Section 30, Township 5 North, Range 56 West of the 6th P.M., as granted to Morgan County by J.M. DILLIE, in the instrument recorded SEPTEMBER 10, 1937 in Book 362 at page 409 more particularly described.

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SCHEDULE B PART II
(Continued)

26. Easement and right of way for road purposes as granted to Morgan County by GUS LAQUEY, OLA LA QUEY and J.M. DILLIE, in the instrument JUNE 2, 1953 in Book 516 at page 471, in the SW1/4 Section 30, Township 5 North, Range 57 West of the 6th P.M. more particularly described.

27. An undivided 1/8 interest in all oil, gas and other mineral rights, as conveyed by J.M. DILLIE in the Mineral Deed to OWNERS ROYALTY POOL, INC. recorded MAY 29, 1931 in Book 305 at page 339, and any and all assignments thereof or interests therein. (N1/2N1/2 Section 31)

28. All interest in all oil, gas and other mineral rights, as reserved by LAWRENCE J. REID in the Deed to J.M. DILLIE recorded OCTOBER 29, 1949 in Book 465 at page 44, and any and all assignments thereof or interests therein. (SE1/4NW1/4, S1/2NE1/4 Section 31)

29. An undivided 1/2 interest in all oil, gas and other mineral rights, as reserved by J.M. DILLIE, aka J. MAR DILLIE and JOHN M. DILLIE in the Deed to TONY BETTALE and GERMAINE C. BETTALE recorded DECEMBER 31, 1958 in Book 612 at page 235, and any and all assignments thereof or interests therein.

30. Undivided 1/20 interest in and to all of the oil royalty, gas royalty, and royalty in casinghead gas, gasoline, and royalty in other minerals conveyed by TONY BETTALE and GERMAINE C. BETTALE in Deed to MARTIN P. MARQUART and NADINE E. MARQUARDT, recorded DECEMBER 31, 1958 in Book 612 at page 240, and any and all assignments thereof or interests therein.

31. Undivided 1/2 interest in and to all of the oil royalty, gas royalty, and royalty in casinghead gas, gasoline, and royalty in other minerals conveyed by TONY BETTALE and GERMAINE C. BETTALE in Deed to GUS LAQUEY and OLA LAQUEY, recorded DECEMBER 31, 1958 in Book 612 at page 238, and any and all assignments thereof or interests therein.

32. Terms, conditions, provisions, agreements, burdens and obligations as contained in SUBSCRIPTION AGREEMENT between RIVERSIDE IRRIGATION DISTRICT and RIVERSIDE WATER COMPANY, L.L.C. recorded SEPTEMBER 27, 2007 at Reception No. 845381.

33. Subject to ORDER FOR INCLUSION to the FORT MORGAN RURAL FIRE PROTECTION DISTRICT recorded DECEMBER 9, 2009 at Reception No. 859008.

34. NOTE: The following notices pursuant to CRS 9-1.5 103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property: (A) MOUNTAIN BELL TELEPHONE COMPANY RECORDED OCTOBER 2, 1981 IN BOOK 821 AT PAGE 502; (B) MORGAN COUNTY RURAL ELECTRIC ASSOCIATION RECORDED JANUARY 22, 1982 IN BOOK 825 AT PAGE 656; (C) WIGGINS TELEPHONE ASSOCIATION RECORDED OCTOBER 9, 1992 IN BOOK 947 AT PAGE 824; (D) COLORADO INTERSTATE GAS COMPANY RECORDED JULY 26, 1984 IN BOOK 858 AT PAGE 228.

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STEWART TITLE GUARANTY COMPANY
PRIVACY NOTICE

This Stewart Title Guaranty Company Privacy Notice ("Notice") explains how Stewart Title Guaranty Company and its subsidiary title insurance companies (collectively, "Stewart") collect, use, and protect personal information, when and to whom we disclose such information, and the choices you have about the use and disclosure of your information. Pursuant to Title V of the Gramm-Leach Bliley Act ("GLBA") and other Federal and state laws and regulations applicable to financial institutions, consumers have the right to limit some, but not all sharing of their personal information. Please read this Notice carefully to understand how Stewart uses your personal information.

The types of personal information Stewart collects, and shares depends on the product or service you have requested.

Stewart may collect the following categories of personal and financial information from you throughout your transaction:

1. Identifiers: Real name, alias, online IP address if accessing company websites, email address, account name, unique online identifier, social security number, driver's license number, passport number, or other similar identifiers;
2. Demographic Information: Marital status, gender, date of birth.
3. Personal Information and Personal Financial Information: Name, signature, social security number, physical characteristics or description, address, telephone number, insurance policy number, education, employment, employment history, bank account number, credit card number, debit card number, credit reports, or any other information necessary to complete the transaction.

Stewart may collect personal information about you from:

1. Publicly available information from government records.
2. Information we receive directly from you or your agent(s), such as your lender or real estate broker;
3. Information about your transactions with Stewart, our affiliates, or others; and
4. Information we receive from consumer reporting agencies and/or governmental entities, either directly from these entities or through others.

Stewart may use your personal information for the following purposes:

1. To provide products and services to you or in connection with a transaction.
2. To improve our products and services.
3. To communicate with you about our, our affiliates', and others' products and services, jointly or independently.

Stewart may use or disclose the personal information we collect for one or more of the following purposes:

a. To fulfill or meet the reason for which the information is provided.
b. To provide, support, personalize, and develop our website, products, and services.
c. To create, maintain, customize, and secure your account with Stewart.
d. To process your requests, purchases, transactions, and payments and prevent transactional fraud.
e. To prevent and/or process claims.
f. To assist third party vendors/service providers who complete transactions or perform services on Stewart's behalf pursuant to valid service provider agreements.
g. As necessary or appropriate to protect the rights, property or safety of Stewart, our customers or others.
h. To provide you with support and to respond to your inquiries, including to investigate and address your concerns and monitor and improve our responses.
i. To help maintain the safety, security, and integrity of our website, products and services, databases and other technology-based assets, and business.
j. To respond to law enforcement or regulator requests as required by applicable law, court order, or governmental regulations.
k. Auditing for compliance with federal and state laws, rules and regulations.
l. Performing services including maintaining or servicing accounts, providing customer service, processing or fulfilling orders and transactions, verifying customer information, processing payments.
m. To evaluate or conduct a merger, divestiture, restructuring, reorganization, dissolution, or other sale or transfer of some or all of our assets, whether as a going concern or as part of bankruptcy, liquidation, or similar proceeding, in which personal information held by us is among the assets transferred.

Stewart will not collect additional categories of personal information or use the personal information we collected for materially different, unrelated, or incompatible purposes without providing you notice.

Disclosure of Personal Information to Affiliated Companies and Nonaffiliated Third Parties

Stewart does not sell your personal information to nonaffiliated third parties. Stewart may share your information with those you have designated as your agent throughout the course of your transaction (for example, a realtor, broker, or a lender). Stewart may disclose your personal information to a non-affiliated third party for a business purpose. Typically, when we disclose personal information for a business purpose, we enter in a contract that describes the purpose and requires the recipient to both keep that personal information confidential and not use it for any purpose except performing the contract.

We share your personal information with the following categories of third parties:

a. Non-affiliated service providers and vendors we contract with to render specific services (For example, search companies, mobile notaries, and companies providing credit/debit card processing, billing, shipping, repair, customer service, auditing, marketing, etc.)
b. To enable Stewart to prevent criminal activity, fraud, material misrepresentation, or nondisclosure.
c. Stewart's affiliated and subsidiary companies.
d. Non-affiliated third-party service providers with whom we perform joint marketing, pursuant to an agreement with them to jointly market financial products or services to you.
e. Parties involved in litigation and attorneys, as required by law.
f. Financial rating organizations, rating bureaus and trade associations.
g. Federal and State Regulators, law enforcement and other government entities to law enforcement or authorities in connection with an investigation, or in response to a subpoena or court order.

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

Right to Limit Use of Your Personal Information

You have the right to opt-out of sharing of your personal information among our affiliates to directly market to you. To opt-out of sharing to our affiliates for direct marketing, you may send an "opt out" request to Privacyrequest@stewart.com, or contact us through other available methods provided under "Contact Information" in this Notice. We do not share your Personal Information with nonaffiliates for their use to direct market to you without your consent.

How Stewart Protects Your Personal Information

Stewart maintains physical, technical and administrative safeguards and policies to protect your personal information.

Contact Information

If you have questions or comments about this Notice, the ways in which Stewart collects and uses your information described herein, your choices and rights regarding such use, or wish to exercise your rights under law, please do not hesitate to contact us at:

Phone: Toll Free at 1-866-571-9270

Email: Privacyrequest@stewart.com

Postal Address: Stewart Information Services Corporation
Attn: Mary Thomas, Chief Compliance and Regulatory Officer
1360 Post Oak Blvd., Ste. 100, MC #14-1
Houston, TX 77056

Effective Date: January 1, 2020
Updated: January 1, 2023

Privacy Notice at Collection for California Residents

Pursuant to the California Consumer Privacy Act of 2018 ("CCPA") and the California Privacy Rights Act of 2020, effective January 1, 2023 ("CPRA"), Stewart Information Services Corporation and its subsidiary companies (collectively, "Stewart") are providing this **Privacy Notice at Collection for California Residents** ("CCPA and CPRA Notice"). This CCPA and CPRA Notice supplements the information contained in Stewart's existing privacy notice and applies solely to all visitors, users, and consumers and others who reside in the State of California or are considered California Residents as defined in the CCPA and CPRA ("consumers" or "you"). All terms defined in the CCPA and CPRA have the same meaning when used in this Notice.

Personal and Sensitive Personal Information Stewart Collects

- Publicly available information from government records.
- Deidentified or aggregated consumer information.
- Certain personal information protected by other sector-specific federal or California laws, including but not limited to the Fair Credit Reporting Act (FCRA), Gramm Leach Bliley Act (GLBA) and California Financial Information Privacy Act (FIPA).

Specifically, Stewart has collected the following categories of **personal and sensitive personal information** from consumers within the last twelve (12) months:

Category	Examples	Collected
A. Identifiers	A real name, alias, postal address, unique personal identifier, online identifier, Internet Protocol address, email address, account name, Social Security number, driver's license number, passport number, or other similar identifiers.	YES
B. Personal information categories listed in the California Customer Records statute (Cal. Civ. Code § 1798.80(e)).	A name, signature, Social Security number, physical characteristics or description, address, telephone number, passport number, driver's license or state identification card number, insurance policy number, education, employment, employment history, bank account number, credit card number, debit card number, or any other financial information, medical information, or health insurance information. Some personal information included in this category may overlap with other categories.	YES
C. Protected classification characteristics under California or federal law.	Age (40 years or older), race, color, ancestry, national origin, citizenship, religion or creed, marital status, medical condition, physical or mental disability, sex (including gender, gender identity, gender expression, pregnancy or childbirth and related medical conditions), sexual orientation, veteran or military status, genetic information (including familial genetic information).	YES
D. Commercial information.	Records of personal property, products or services purchased, obtained, or considered, or other purchasing or consuming histories or tendencies.	YES
E. Biometric information.	Genetic, physiological, behavioral, and biological characteristics, or activity patterns used to extract a template or other identifier or identifying information, such as, fingerprints, faceprints, and voiceprints, iris or retina scans, keystroke, gait, or other physical patterns, and sleep, health, or exercise data.	YES
F. Internet or other similar network activity.	Browsing history, search history, information on a consumer's interaction with a website, application, or advertisement.	YES
G. Geolocation data.	Physical location or movements.	YES
H. Sensory data.	Audio, electronic, visual, thermal, olfactory, or similar information.	YES
I. Professional or employment related information.	Current or past job history or performance evaluations.	YES
J. Non-public education information (per the Family Educational Rights and Privacy Act(20 U.S.C. Section 1232g, 34 C.F.R. Part 99)).	Education records directly related to a student maintained by an educational institution or party acting on its behalf, such as grades, transcripts, class lists, student schedules, student identification codes, student financial information, or student disciplinary records.	YES
K. Inferences drawn from other personal information.	Profile reflecting a person's preferences, characteristics, psychological trends, predispositions, behavior, attitudes, intelligence, abilities, and aptitudes.	YES

Stewart obtains the categories of personal and sensitive information listed above from the following categories of sources:

- Directly and indirectly from customers, their designees, or their agents (For example, realtors, lenders, attorneys, brokers, etc.)
- Directly and indirectly from activity on Stewart's website or other applications.
- From third-parties that interact with Stewart in connection with the services we provide.

Use of Personal and Sensitive Personal Information

Stewart may use or disclose the personal or sensitive information we collect for one or more of the following purposes:

a. To fulfill or meet the reason for which the information is provided.
b. To provide, support, personalize, and develop our website, products, and services.
c. To create, maintain, customize, and secure your account with Stewart.
d. To process your requests, purchases, transactions, and payments and prevent transactional fraud.
e. To prevent and/or process claims.
f. To assist third party vendors/service providers who complete transactions or perform services on Stewart's behalf pursuant to valid service provider agreements.
g. As necessary or appropriate to protect the rights, property or safety of Stewart, our customers or others.
h. To provide you with support and to respond to your inquiries, including to investigate and address your concerns and monitor and improve our responses.
i. To personalize your website experience and to deliver content and product and service offerings relevant to your interests, including targeted offers and ads through our website, third-party sites, and via email or text message (with your consent, where required by law).
j. To help maintain the safety, security, and integrity of our website, products and services, databases and other technology-based assets, and business.
k. To respond to law enforcement or regulator requests as required by applicable law, court order, or governmental regulations.
l. Auditing for compliance with federal and state laws, rules and regulations.
m. Performing services including maintaining or servicing accounts, providing customer service, processing or fulfilling orders and transactions, verifying customer information, processing payments, providing advertising or marketing services or other similar services.
n. To evaluate or conduct a merger, divestiture, restructuring, reorganization, dissolution, or other sale or transfer of some or all of our assets, whether as a going concern or as part of bankruptcy, liquidation, or similar proceeding, in which personal information held by us is among the assets transferred.

Stewart will not collect additional categories of personal or sensitive information or use the personal or sensitive information we collected for materially different, unrelated, or incompatible purposes without providing you notice.

Disclosure of Personal Information to Affiliated Companies and Nonaffiliated Third Parties

Stewart does not sell your personal information to nonaffiliated third parties. Stewart may share your information with those you have designated as your agent throughout the course of your transaction (for example, a realtor, broker, or a lender). Stewart may disclose your personal information to a third party for a business purpose. Typically, when we disclose personal information for a business purpose, we enter into a contract that describes the purpose and requires the recipient to both keep that personal information confidential and not use it for any purpose except performing the contract.

We share your personal information with the following categories of third parties:

a. Service providers and vendors we contract with to render specific services (For example, search companies, mobile notaries, and companies providing credit/debit card processing, billing, shipping, repair, customer service, auditing, marketing, etc.)
b. Affiliated Companies.
c. Parties involved in litigation and attorneys, as required by law.
d. Financial rating organizations, rating bureaus and trade associations.
e. Federal and State Regulators, law enforcement and other government entities

In the preceding twelve (12) months, Stewart has disclosed the following categories of personal information for a business purpose:

Category A: Identifiers
Category B: California Customer Records personal information categories
Category C: Protected classification characteristics under California or federal law
Category D: Commercial Information
Category E: Biometric Information
Category F: Internet or other similar network activity
Category G: Geolocation data
Category H: Sensory data
Category I: Professional or employment-related information
Category J: Non-public education information
Category K: Inferences

Your Consumer Rights and Choices Under CPPA and CPRA

Your Rights Under CCPA

The CCPA provides consumers (California residents as defined in the CCPA) with specific rights regarding their personal information. This section describes your CCPA rights and explains how to exercise those rights.

Access to Specific Information and Data Portability Rights

You have the right to request that Stewart disclose certain information to you about our collection and use of your personal information over the past 12 months. Once we receive and confirm your verifiable consumer request, Stewart will disclose to you:

- The categories of personal information Stewart collected about you.
- The categories of sources for the personal information Stewart collected about you.
- Stewart's business or commercial purpose for collecting that personal information.
- The categories of third parties with whom Stewart shares that personal information.
- The specific pieces of personal information Stewart collected about you (also called a data portability request).
- If Stewart disclosed your personal data for a business purpose, a listing identifying the personal information categories that each category of recipient obtained.

Deletion Request Rights

You have the right to request that Stewart delete any of your personal information we collected from you and retained, subject to certain exceptions. Once we receive and confirm your verifiable consumer request, Stewart will delete (and direct our service providers to delete) your personal information from our records, unless an exception applies.

Stewart may deny your deletion request if retaining the information is necessary for us or our service providers to:

1. Complete the transaction for which we collected the personal information, provide a good or service that you requested, take actions reasonably anticipated within the context of our ongoing business relationship with you, or otherwise perform our contract with you.

2. Detect security incidents, protect against malicious, deceptive, fraudulent, or illegal activity, or prosecute those responsible for such activities.

3. Debug products to identify and repair errors that impair existing intended functionality.

4. Exercise free speech, ensure the right of another consumer to exercise their free speech rights, or exercise another right provided for by law.

5. Comply with the California Electronic Communications Privacy Act (Cal. Penal Code § 1546 seq.).

6. Engage in public or peer-reviewed scientific, historical, or statistical research in the public interest that adheres to all other applicable ethics and privacy laws, when the information's deletion may likely render impossible or seriously impair the research's achievement, if you previously provided informed consent.

7. Enable solely internal uses that are reasonably aligned with consumer expectations based on your relationship with us.

8. Comply with a legal obligation.

9. Make other internal and lawful uses of that information that are compatible with the context in which you provided it.

Your Rights Under CPRA

CPRA expands upon your consumer rights and protections offered by the CCPA. This section describes your CPRA rights and explains how to exercise those rights.

Opt-Out of Information Sharing and Selling

Stewart does not share or sell information to third parties, as the terms are defined under the CCPA and CPRA. Stewart only shares your personal information as commercially necessary and in accordance with this CCPA and CPRA Notice.

Correction of Inaccurate Information

You have the right to request that Stewart correct any inaccurate information maintained about.

Limit the Use of Sensitive Personal Information

You have the right to limit how your sensitive personal information, as defined in the CCPA and CPRA is disclosed or shared with third parties.

Exercising Your Rights Under CCPA and CPRA

To exercise the access, data portability, deletion, opt-out, correction, or limitation rights described above, please submit a verifiable consumer request to us by the available means provided below:

1. Calling us Toll Free at 1-866-571-9270; or

2. Emailing us at Privacyrequest@stewart.com; or

3. Visiting http://stewart.com/ccpa.

Only you, or someone legally authorized to act on your behalf, may make a verifiable consumer request related to your personal information. You may also make a verifiable consumer request on behalf of your minor child, if applicable.

To designate an authorized agent, please contact Stewart through one of the methods mentioned above.

You may only make a verifiable consumer request for access or data portability twice within a 12-month period. The verifiable consumer request must:

- Provide sufficient information that allows us to reasonably verify you are the person about whom we collected personal information or an authorized representative.

- Describe your request with sufficient detail that allows us to properly understand, evaluate, and respond to it.

Stewart cannot respond to your request or provide you with personal information if we cannot verify your identity or authority to make the request and confirm the personal information relates to you.

Making a verifiable consumer request does not require you to create an account with Stewart.

Response Timing and Format

We endeavor to respond to a verifiable consumer request within forty-five (45) days of its receipt. If we require more time (up to an additional 45 days), we will inform you of the reason and extension period in writing.

A written response will be delivered by mail or electronically, at your option.

Any disclosures we provide will only cover the 12-month period preceding the verifiable consumer request's receipt. The response we provide will also explain the reasons we cannot comply with a request, if applicable. For data portability requests, we will select a format to provide your personal information that is readily useable and should allow you to transmit the information from one entity to another entity without hindrance.

Stewart does not charge a fee to process or respond to your verifiable consumer request unless it is excessive, repetitive, or manifestly unfounded. If we determine that the request warrants a fee, we will tell you why we made that decision and provide you with a cost estimate before completing your request.

Non-Discrimination

Stewart will not discriminate against you for exercising any of your CCPA and CPRA rights. Unless permitted by the CCPA or CPRA, we will not:

- Deny you goods or services.
- Charge you a different prices or rates for goods or services, including through granting discounts or other benefits, or imposing penalties.
- Provide you a different level or quality of goods or services.
- Suggest that you may receive a different price or rate for goods or services or a different level or quality of goods or services.

Record Retention

Your personal information will not be kept for longer than is necessary for the business purpose for which it is collected and processed. We will retain your personal information and records based on established record retention policies pursuant to California law and in compliance with all federal and state retention obligations. Additionally, we will retain your personal information to comply with applicable laws, regulations, and legal processes (such as responding to subpoenas or court orders), and to respond to legal claims, resolve disputes, and comply with legal or regulatory recordkeeping requirements

Changes to This CCPRA and CPRA Notice

Stewart reserves the right to amend this CCPA and CPRA Notice at our discretion and at any time. When we make changes to this CCPA and CPRA Notice, we will post the updated Notice on Stewart's website and update the Notice's effective date.

Link to Privacy Notice

Stewarts Privacy Notice can be found on our website at https://www.stewart.com/en/privacy.html.

Contact Information

If you have questions or comments about this notice, the ways in which Stewart collects and uses your information described herein, your choices and rights regarding such use, or wish to exercise your rights under California law, please do not hesitate to contact us at:

Phone: Toll Free at 1-866-571-9270

Website: http://stewart.com/ccpa

Email: Privacyrequest@stewart.com

Postal Address: Stewart Information Services Corporation
Attn: Mary Thomas, Chief Compliance and Regulatory Officer
1360 Post Oak Blvd., Ste. 100, MC #14-1
Houston, TX 77056

CERTIFICATION OF NOTIFICATION OF MINERAL ESTATE OWNER

The applicant must check one of the three following statements, sign and date the form, and attach a list of mineral owners and lessees to whom notice was sent (if applicable).

I/We, Erin Kress of THEngineering, the authorized representative of the Applicant, _____

_____, (the "Applicant" or authorized representative of the Applicant), by signing below, hereby declare and certify as follows:

With respect to the property located at:

Physical Address: _____

Legal Description (attach as applicable): Parts of Sections 30 and 31, Township 5N, Range 57W

_____

_____

Permit #: _____

X I /We have searched the records of the Morgan County Tax Assessor and the Morgan County Clerk and Recorder for the above identified parcel and have found that no mineral estate owner is identified therein pursuant to C.R.S. § 24-65.5-103(1).

_____ I/We certify that, not less than thirty (30) days before the initial public hearing, notice of application for surface development was provided to mineral estate owners pursuant to C.R.S. § 24-65.5-103(1) of the Colorado Revised Statutes. A copy of the letter and list of addressee are included with this certification.

_____ The mineral estate has been severed from the surface estate, and each mineral estate owner and lessee has waived the right to notice as per C.R.S. § 24-65.5-103(5).

I hereby further certify that I am the Applicant, or I am authorized by the Applicant to make the representations contained herein and to act as the Applicant's agent for purposes of this Certification of Notification and bind the Applicant to these representations by my signature below.

Erin P. Kress
Applicant or Authorized Representative

3/26/2025
Date

Mineral Rights Holders Section 32

Corinne B. Whipple – termed out. See attached deed.

James D. and Becky M. Whitney
7568 E 140 Road
Atwood, OK 74827

BOOK 654 PAGE 56 Recorded at 9:30 o'clock A M., FEB 5 1962
Reception No. 408372 A. L. [illegible] Recorder.

THIS DEED, Made this 1st day of February

in the year of our Lord one thousand nine hundred and Sixty-two

between

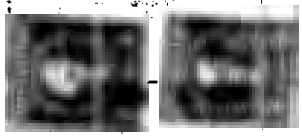
Corinne B. Whipple

of the

County of Morgan and State of Colorado, of the first part, and

Frank V. Whitney and Ina Irene Whitney (wife)

of the County of Morgan and



State of Colorado, of the second part:

WITNESSETH, That the said party of the first part, for and in consideration of the sum of Ten Dollars and other valuable considerations------ DOLLARS, to the said party of the first part in hand paid by the said parties of the second part, the receipt whereof is hereby confessed and acknowledged, has granted, bargained, sold and conveyed, and by these presents does grant, bargain, sell, convey and confirm, unto the said parties of the second part, her heirs and assigns forever, all the following described lot or parcel of land, situate, lying and being in the County of Morgan and State of Colorado, to-wit:

The W½NE¼ and NW¼ of Section 32, Township 5 North, Range 57 West, 6th P.M., Morgan County, Colorado; together with all water and/or Water Rights appurtenant thereto. Excepting and reserving unto the Grantor, her heirs, successors and assigns, an undevided one-half (½) of all oil, gas and/or other minerals for a period of ten (10) years from the date of this instrument. In the event oil, gas and/or other minerals are being produced from this property at the expiration of this reservation, then this reservation shall continue for as long as there is production. In the event there is no production of oil, gas and/or other minerals at the expiration date of this reservation, then all rights to all oil, gas and/or other minerals shall revert to Fee Simple Surface Title Holder.

FEE PAID UNDER S. B. No. 202 $1.00

[illegible] UNDER PROTEST.....

[illegible].....

TOGETHER with all and singular the hereditaments and appurtenances thereto belonging, or in anywise appertaining, and the reversion and reversions, remainder and remainders, rents, issues and profits thereof; and all the estate, right, title, interest, claim and demand whatsoever of the said party of the first part, either in law or equity, of, in and to the above bargained premises, with the hereditaments and appurtenances

TO HAVE AND TO HOLD the said premises above bargained and described, with the appurtenances, unto the said parties of the second part, their heirs and assigns forever. And the said party of the first part, for herself her heirs, executors, and administrators, does covenant, grant, bargain, and agree to and with the said parties of the second part, their heirs and assigns, that at the time of the ensealing and delivery of these presents, she is well seized of the premises above conveyed, as of good, sure, perfect, absolute and indefeasible estate of inheritance, in law, in fee simple, and has good right, full power and lawful authority to grant, bargain, sell and convey the same in manner and form as aforesaid, and that the same are free and clear from all former and other grants, bargains, sales, liens, taxes, assessments and encumbrances of whatever kind or nature soever.

Subject to 1962 taxes due and payable in 1963.
Subject to patent reservations, roads, ditches, reservoirs, easements of record, Northern Colorado Water Conservancy District, Fort Morgan Rural Fire Protection District and Oil and Gas Lease of record.

and the above bargained premises in the quiet and peaceable possession of the said parties of the second part, their heirs and assigns against all and every person or persons lawfully claiming or to claim the whole, or any part thereof, the said party of the first part shall and will WARRANT AND FOREVER DEFEND.

IN WITNESS WHEREOF, the said party of the first part has hereunto set her hand and seal the day and year first above written.

Corinne B. Whipple (SEAL)

.....(SEAL)

.....(SEAL)

STATE OF COLORADO }
County of } ss.

The foregoing instrument was acknowledged before me this 1st day of February A.D. 1962, by Corinne B. Whipple

My commission expires June 21, 1965. Witness my hand and official seal.

.....
Notary Public.

No. 932. WARRANTY DEED.—For Photographic Record.—Bradford-Robinson Ptg. Co., 1524-46 Stout St., Denver, Colo.

Official Records of Morgan County, CO 952819
08/30/2024 12:32:40 PM Pgs: 4 Rec Fee: 28.00
State Documentary Fee: $460.00 Clerk: Kevin Strauch

Rec 1st

WARRANTY DEED

THIS DEED is dated 8/30/24, and is made between **JAMES D. WHITNEY and BECKY M. WHITNEY** (whether one, or more than one), the "Grantor", and **CK2 CATTLE COMPANY, LLC** (whether one, or more than one), the "Grantee," whose mailing address is **22251 Co Rd 23, Fort Morgan, Colorado 80701**.

WITNESS, that the Grantor, for and in consideration of the sum of **FOUR MILLION SIX HUNDRED THOUSAND AND NO/100** Dollars (**$4,600,000.00**), the receipt and sufficiency of which is hereby acknowledged, hereby grants, bargains, sells, conveys and confirms unto the Grantee and the Grantee's heirs and assigns forever, all the real property, together with any improvements thereon, located in the County of **Morgan** and State of **Colorado**, described as follows:

PARCEL A:

THE NW1/4 AND THE W1/2NE1/4 OF SECTION 32, TOWNSHIP 5 NORTH, RANGE 57 WEST OF THE 6TH P.M., MORGAN COUNTY, COLORADO.

PARCEL B:

THAT PART OF THE SW1/4 OF SECTION 19, TOWNSHIP 5 NORTH, RANGE 57 WEST OF THE 6TH P.M., MORGAN COUNTY, COLORADO, LYING WEST OF STATE HIGHWAY 52.

PARCEL C:

THAT PART OF THE NW1/4 OF SECTION 30, TOWNSHIP 5 NORTH, RANGE 57 WEST OF THE 6TH P.M., MORGAN COUNTY, COLORADO, LYING WEST OF STATE HIGHWAY 52.

PARCEL D:

The S1/2S1/2 of Section 15, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

PARCEL E:

The E1/2, E1/2SW1/4 and the NW1/4SW1/4 of Section 22, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

NCT
25062

PARCEL F:

All of Section 23 EXCEPT the E1/2SE1/4, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

PARCEL G:

The S1/2 and SW1/4NE1/4 of Section 24, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

AND

A parcel of land known as Parcel 1, in the NW1/4 of Section 19, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado, and in the NE1/4 of Section 24, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado, said parcel being more particularly described as follows:
Commencing at the center quarter of Section 19, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado, thence along the South line of the NW1/4 of said Section 19, South 89°35'47" West, a distance of 1,976.25 feet to the point of beginning;
Thence continuing along said South line, South 89°35'47" West, a distance of 449.71 feet, to the East Quarter of Section 24, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado;
Thence along the South line of the Northeast quarter of said Section 24, South 89°35'47" West, a distance of 1312.60 feet, to the center-east sixteenth corner of said Section 24;
Thence along the West line of the East half of Northeast Quarter of said Section 24, North 00°17'00" West, a distance of 529.44 feet;
Thence departing said West line, South 85°17'11" East a distance of 1316.21 feet, to a point on the East line of said Section 24;
Thence departing said East, South 85°17'11" East, a distance of 521.69 feet;
Thence South 10°20'33" West a distance of 372.04 feet, to a point on the South line of the Northwest Quarter of said Section 19 and more or less, to the point of beginning,
as described in Land Survey Plat recorded September 27, 2018 at Reception No. 1601902.

PARCEL H:

The N1/2 of Section 25, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado, EXCEPT that parcel conveyed to Morgan County in Book 362 at page 409

PARCEL I:

The NE1/4, E1/2NW1/4, NW1/4NW1/4, NE1/4SW1/4 and NW1/4SE1/4 of Section 26, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

PARCEL J:

The NE1/4NE1/4 of Section 27, Township 5 North, Range 58 West of the 6th P.M., Morgan County, Colorado.

Also known as: 24592 Co Rd 19 and 24986 Co Rd 19, Fort Morgan, Colorado 80701

EXCEPTING AND RESERVING unto the Grantors, 50% of all oil, gas and other minerals currently in the Grantor's name. This reservation shall continue for 10 years from the date of closing and so long as oil, gas, and other minerals are produced and paying quantities from the subject premises.

TOGETHER WITH all water, water rights, ditch, ditch rights, waste water rights, well, well rights, reservoir, reservoir rights and deep water rights historically used, appurtenant to or used in connection with the subject property, including but not limited to: 90 District Acres served and within the Riverside Irrigation District; One (1) domestic well, permit #30876-A.

also known by street address as: **24592 COUNTY ROAD 19 and 24986 COUNTY ROAD 19, Fort Morgan, CO 80701**

TOGETHER with all and singular the hereditaments and appurtenances thereunto belonging, or in anywise appertaining, the reversions, remainders, rents, issues and profits thereof, and all the estate, right, title, interest, claim and demand whatsoever of the Grantor, either in law or equity, of, in and to the above bargained premises, with the hereditaments and appurtenances;

TO HAVE AND TO HOLD the said premises above bargained and described, with the appurtenances, unto the Grantees and the Grantees' heirs and assigns forever. The Grantor, for the Grantor and the Grantor's heirs and assigns, does covenant, grant, bargain, and agree to and with the Grantees, and the Grantees' heirs and assigns: that at the time of the ensealing and delivery of these presents, the Grantor is well seized of the premises above described; has good, sure, perfect, absolute and indefeasible estate of inheritance, in law and in fee simple; and has good right, full power and lawful authority to grant, bargain, sell and convey the same in manner and form as aforesaid; and that the same are free and clear from all former and other grants, bargains, sales, liens, taxes, assessments, encumbrances and restrictions of whatever kind or nature so ever, except taxes for the current year, a lien but not yet due and payable, subject to statutory exceptions as defined in CRS 38-30-113, revised.

And the Grantor shall and will WARRANT THE TITLE AND DEFEND the above described premises, *but not any adjoining vacated street or alley,* if any, in the quiet and peaceable possession of the Grantees and the heirs and assigns of the Grantees, against all and every person or persons claiming the whole or any part thereof.

IN WITNESS WHEREOF, the Grantor has executed this deed on the date set forth above.

JAMES D. WHITNEY

BECKY M. WHITNEY

State of Colorado

County of Morgan

Signed and sworn to before me the 30 of August, 2024, by JAMES D. WHITNEY and BECKY M. WHITNEY.

Notary Public

Affix stamp/seal:

LINDA L REDING
NOTARY PUBLIC - STATE OF COLORADO
Notary ID #19944009987
My Commission Expires 6/20/2026

After Recording Return To:
CK2 CATTLE COMPANY, LLC
22251 Co Rd 23
Fort Morgan, CO 80701

CERTIFICATION OF NOTIFICATION OF MINERAL ESTATE OWNER

The applicant must check one of the three following statements, sign and date the form, and attach a list of mineral owners and lessees to whom notice was sent (if applicable).

I/We, Kirk Crone

_____, (the "Applicant" or authorized representative of the Applicant), by signing below, hereby declare and certify as follows:

With respect to the property located at:

Physical Address: _____

Legal Description (attach as applicable): SE 1/4 Section 30, E 1/2 of NE 1/4 Section 31, NW 1/4 & W1/2 of NE 1/4 of Section 32, Township 5N, Range 57W of the 6th pm, Morgan County, Colorado.

Permit #: _____

_____ I /We have searched the records of the Morgan County Tax Assessor and the Morgan County Clerk and Recorder for the above identified parcel and have found that no mineral estate owner is identified therein pursuant to C.R.S. § 24-65.5-103(1).

__X__ I/We certify that, not less than thirty (30) days before the initial public hearing, notice of application for surface development was provided to mineral estate owners pursuant to C.R.S. § 24-65.5-103(1) of the Colorado Revised Statutes. A copy of the letter and list of addressee are included with this certification.

_____ The mineral estate has been severed from the surfaee estate, and each mineral estate owner and lessee has waived the right to notice as per C.R.S. § 24-65.5-103(5).

I hereby further certify that I am the Applicant, or I am authorized by the Applicant to make the representations contained herein and to act as the Applicant's agent for purposes of this Certification of Notification and bind the Applicant to these representations by my signature below.

Kirk Crone
Applicant or Authorized Representative

6/5/2025
Date

PDF processed with CutePDF evaluation edition www.CutePDF.com

June 5, 2025

James D. and Becky M. Whitney
7568 E 140 Road
Atwood, OK 74827

Sent via Certified Mail No: 7018 0040 0000 4505 5405

Notice to Mineral Rights Owners and/or Lessees:

As required by Colorado State Statute 24-65.5-103, I am notifying you that I have submitted a Use by Special Review to the Morgan County Planning and Zoning Department for CK2 Cattle Company, located in NW ¼ and W ½ of NE ¼ Section 32, T 5N, R 57W of the 6th P.M., Morgan County, Colorado.

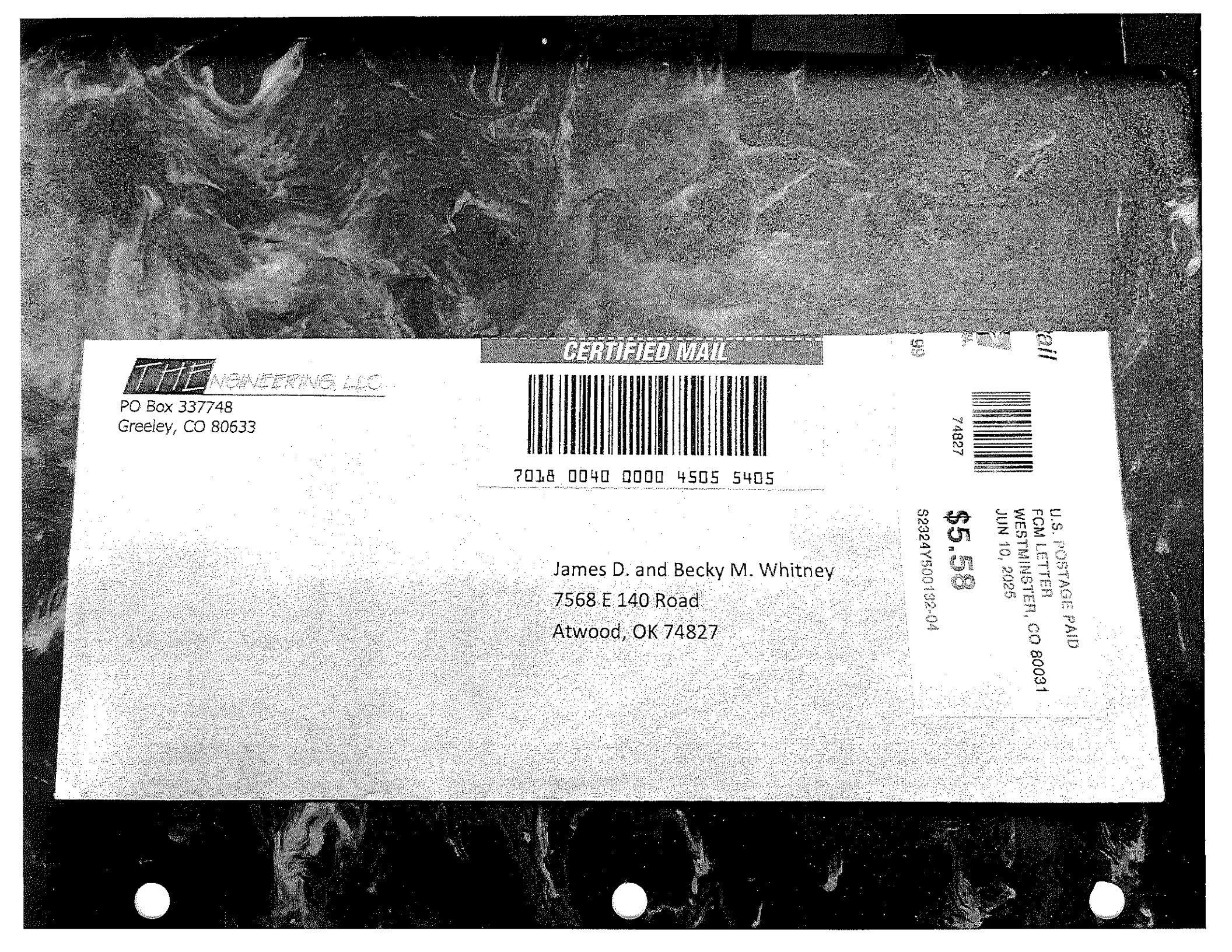
- APPLICATIONS REQUIRING PLANNING COMMISSION AND BOARD OF COUNTY COMMISSIONERS HEARINGS:

The application will be heard by the Morgan County Planning Commission in a public hearing on Monday, July 14th, 2025 at 6:00 PM in the assembly room, 231 Ensign Street, Fort Morgan, Colorado. The Planning Commission will review the application and recommend approval or disapproval to the Board of County Commissioners.

Final approval or disapproval of the application will be considered by the Morgan County Commissioners at a TBD date in the assembly room, 231 Ensign Street, Fort Morgan, Colorado.

Sincerely,

Kirk Crone



THE ENGINEERING, LLC
PO Box 337748
Greeley, CO 80633

CERTIFIED MAIL®

7018 0040 0000 4505 5405

74827

U.S. POSTAGE PAID
FCM LETTER
WESTMINSTER, CO 80031
JUN 10, 2025

$5.58

S2324Y500192-04

James D. and Becky M. Whitney
7568 E 140 Road
Atwood, OK 74827

UNITED STATES POSTAL SERVICE.

WESTMINSTER
3051 W 105TH AVE
WESTMINSTER, CO 80031-9998
www.usps.com

06/10/2025 01:00 PM

TRACKING NUMBERS
70180040000045055405

TRACK STATUS OF ITEMS WITH THIS CODE
(UP TO 25 ITEMS)

TRACK STATUS BY TEXT MESSAGE
Send tracking number to 28777 (2USPS)
Standard message and data rates may apply

TRACK STATUS ONLINE
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Text and e-mail alerts available

PURCHASE DETAILS

Product	Qty	Unit Price	Price
First-Class Mail® Letter	1		$0.73
Atwood, OK 74827			
Weight: 0 lb 0.30 oz			
Estimated Delivery Date			
Fri 06/13/2025			
Certified Mail®			$4.85
Tracking #:			
70180040000045055405			
Total			$5.58

Grand Total: $5.58

Credit Card Remit $5.58
Card Name: MasterCard
Account #: XXXXXXXXXXXX2524
Approval #: 010530
Transaction #: 637
AID: A0000000041010 Chip
AL: Mastercard
PIN: Not Required

Morgan County Treasurer
Statement of Taxes Due

Account Number R009001
Parcel 097730000001

Assessed To
RIVERSIDE IRRIGATION DISTRICT
221 E KIOWA AVE
FORT MORGAN, CO 80701

Legal Description
S: 30 T: 5 R: 57 ALL EX PARC NW1/4NW1/4 B753 P512

Situs Address
24975 CO RD 19

Year	Tax	Interest	Fees	Payments	Balance
Tax Charge					
2024	$1,213.20	$0.00	$0.00	($1,213.20)	$0.00
Total Tax Charge					$0.00
Special Assessment: RIVERSIDE IRRIGATION					
2024	$168.00	$0.00	$0.00	($168.00)	$0.00
Total Special Assessment: RIVERSIDE IRRIGATION					$0.00
GRAND TOTAL					**$0.00**
Grand Total Due as of 03/28/2025					**$0.00**

Tax Billed at 2024 Rates for Tax Area 229 - 229 - RE 3

Authority	Mill Levy	Amount
COUNTY GENERAL FUND	19.5360000	$340.52
ROAD AND BRIDGE FUND	7.5000000	$130.73
SOCIAL SERVICES FUND	2.0000000	$34.86
FT MORGAN RURAL FIRE DIST	2.9960000*	$52.22
FT MORGAN PEST CONTROL	0.2930000*	$5.11
NORTHERN COLO WATER CD	1.0000000	$17.43
RE 3 F M GENERAL FD	27.0790000	$471.99
RE 3 F M M/L OVRD	1.5370000	$26.79
RE 3 F M BOND RED	7.6620000	$133.55
Taxes Billed 2024	69.6030000	$1,213.20

* Credit Levy

Values	Actual	Assessed
FLOOD IRRIGATED LAND	$32,260	$8,520
GRAZING LAND	$17,020	$4,490
FARM/RANCH WASTE LAND	$70	$20
FARM/RANCH RESIDENCE	$59,030	$3,960
FARM/RANCH SUPPORT IMPS	$1,650	$440
Total	$110,030	$17,430

RIVERSIDE IRRIGATION **$168.00**

**********TAX LIEN SALE REDEMPTIONS MUST BE PAID BY CASH OR CASHIER'S CHECK**********

Special taxing districts and the boundaries of such districts may be on file with the County Commissioners, County Clerk, or County Assessor. Unless specifically mentioned, this statement 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 manufactured homes.

ROBERT A SAGEL, MORGAN COUNTY TREASURER
231 Ensign St, PO Box 593, Fort Morgan, CO 80701
Phone: 970-542-3518, Email: esale@co.morgan.co.us
Website: morgancounty.colorado.gov

Morgan County Treasurer
Statement of Taxes Due

Account Number R009002
Parcel 097731000001

Assessed To
RIVERSIDE IRRIGATION DISTRICT
221 E KIOWA AVE
FORT MORGAN, CO 80701

Legal Description
S: 31 T: 5 R: 57 N1/2

Situs Address

Year	Tax	Interest	Fees	Payments	Balance
Tax Charge					
2024	$315.32	$0.00	$0.00	($315.32)	$0.00
Total Tax Charge					$0.00
Special Assessment: RIVERSIDE IRRIGATION					
2024	$40.00	$0.00	$0.00	($40.00)	$0.00
Total Special Assessment: RIVERSIDE IRRIGATION					$0.00
GRAND TOTAL					**$0.00**
Grand Total Due as of 03/28/2025					**$0.00**

Tax Billed at 2024 Rates for Tax Area 229 - 229 - RE 3

Authority	Mill Levy	Amount
COUNTY GENERAL FUND	19.5360000	$88.50
ROAD AND BRIDGE FUND	7.5000000	$33.98
SOCIAL SERVICES FUND	2.0000000	$9.06
FT MORGAN RURAL FIRE DIST	2.9960000*	$13.57
FT MORGAN PEST CONTROL	0.2930000*	$1.33
NORTHERN COLO WATER CD	1.0000000	$4.53
RE 3 F M GENERAL FD	27.0790000	$122.68
RE 3 F M M/L OVRD	1.5370000	$6.96
RE 3 F M BOND RED	7.6620000	$34.71
Taxes Billed 2024	69.6030000	$315.32

* Credit Levy

Values	Actual	Assessed
FLOOD IRRIGATED LAND	$6,240	$1,650
GRAZING LAND	$10,820	$2,860
FARM/RANCH WASTE LAND	$70	$20
Total	$17,130	$4,530

RIVERSIDE IRRIGATION **$40.00**

**********TAX LIEN SALE REDEMPTIONS MUST BE PAID BY CASH OR CASHIER'S CHECK**********

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ROBERT A SAGEL, MORGAN COUNTY TREASURER
231 Ensign St, PO Box 593, Fort Morgan, CO 80701
Phone: 970-542-3518, Email: esale@co.morgan.co.us
Website: morgancounty.colorado.gov

Morgan County Treasurer

Statement of Taxes Due

Account Number R009618
Assessed To

Parcel 097732000002
CK2 CATTLE COMPANY LLC
22251 CO RD 23
FORT MORGAN, CO 80701

Legal Description
S: 32 T: 5 R: 57 NW1/4 & W1/2NE1/4

Situs Address
24592 CO RD 19,24986 CO RD 19

Year	Tax	Interest	Fees	Payments	Balance
Tax Charge					
2024	$3,755.88	$0.00	$0.00	($3,755.88)	$0.00
Total Tax Charge					$0.00
Special Assessment: RIVERSIDE IRRIGATION					
2024	$180.00	$0.00	$0.00	($180.00)	$0.00
Total Special Assessment: RIVERSIDE IRRIGATION					$0.00
GRAND TOTAL					**$0.00**
Grand Total Due as of 02/13/2025					**$0.00**

Tax Billed at 2024 Rates for Tax Area 247 - 247 - RE 3

Authority	Mill Levy	Amount
COUNTY GENERAL FUND	19.5360000	$1,041.84
ROAD AND BRIDGE FUND	7.5000000	$399.98
SOCIAL SERVICES FUND	2.0000000	$106.66
FT MORGAN RURAL FIRE DIST	2.9960000*	$159.78
FT MORGAN PEST CONTROL	0.2930000*	$15.63
MORGAN CO QUALITY WATER	0.8240000	$43.94
NORTHERN COLO WATER CD	1.0000000	$53.33
RE 3 F M GENERAL FD	27.0790000	$1,444.13
RE 3 F M M/L OVRD	1.5370000	$81.97
RE 3 F M BOND RED	7.6620000	$408.62
Taxes Billed 2024	70.4270000	$3,755.88

* Credit Levy

Values	Actual	Assessed
FLOOD IRRIGATED LAND	$48,940	$12,920
GRAZING LAND	$4,690	$1,240
FARM/RANCH WASTE LAND	$20	$10
FARM/RANCH RESIDENCE	$439,040	$29,420
FARM/RANCH SUPPORT IMPS	$36,890	$9,740
Total	$529,580	$53,330

RIVERSIDE IRRIGATION **$180.00**

**********TAX LIEN SALE REDEMPTIONS MUST BE PAID BY CASH OR CASHIER'S CHECK**********

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ROBERT A SAGEL, MORGAN COUNTY TREASURER
231 Ensign St, PO Box 593, Fort Morgan, CO 80701
Phone: 970-542-3518, Email: esale@co.morgan.co.us
Website: morgancounty.colorado.gov

Water for Human Consumption Narrative

CK2 will utilize bottled water for human consumption for initial operations until the office/shop is built. Until that time, the facility will not have an area that employees will have access to water fountains/faucets, thus any consumption will be available individual bottled water or bottled supplied from water cooler.

Once the office/shop is built, anticipated to be within the first two years, the commercial wells will be tied into the office shop, tested and used as the permanent water source for human consumption.

WRJ-5-Rev. 76

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JUL 03 1985
WATER RESOURCES
STATE - ENGINEER
COLO.

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AUG - 6 1985
WATER RESOURCES
STATE ENGINEER
COLO.

COLORADO DIVISION OF WATER RESOURCES
818 Centennial Bldg., 1313 Sherman St., Denver, Colorado 80203

PERMIT APPLICATION FORM

Application must be complete where applicable. Type or print in BLACK INK. No overstrikes or erasures unless initialed.

FOR: (X) A PERMIT TO USE GROUND WATER
(x) A PERMIT TO CONSTRUCT A WELL
(x) A PERMIT TO INSTALL A PUMP

(x) REPLACEMENT FOR NO. Old Domestic & Livestock Well
( ) OTHER ____
WATER COURT CASE NO. None W-4287-73

(1) APPLICANT - mailing address

NAME Riverside Irrigation District
STREET P. O. Box 455
CITY Ft. Morgan, CO. 80701 (State) (Zip)
TELEPHONE NO. [redacted]

(2) LOCATION OF PROPOSED WELL

County Morgan
SE ¼ of the SE ¼, Section 30
Twp. 5 N (N,S), Rng. 57 W (E,W), 6th P.M.

(3) WATER USE AND WELL DATA

Proposed maximum pumping rate (gpm) 15
Average annual amount of ground water to be appropriated (acre-feet): 1
Number of acres to be irrigated: Less than 1
Proposed total depth (feet): 60
Aquifer ground water is to be obtained from: Alluvial
Owner's well designation House, Lawn, Livestock

GROUND WATER TO BE USED FOR:

( ) HOUSEHOLD USE ONLY - no irrigation (0)
(X) DOMESTIC (1)
(X) LIVESTOCK (2)
( ) COMMERCIAL (4)
( ) INDUSTRIAL (5)
( ) IRRIGATION (6)
( ) MUNICIPAL (8)
( ) OTHER (9) ____
DETAIL THE USE ON BACK IN (11)

(4) DRILLER

Name Canfield Drilling Co.
Street P. O. Box 519
City Ft. Morgan, CO. 80701 (State) (Zip)
Telephone No. [redacted] Lic. No. 72[illegible]

FOR OFFICE USE ONLY: DO NOT WRITE IN THIS COLUMN

Receipt No. 568328 / ____
Basin ____ Dist. ____

CONDITIONS OF APPROVAL

This well shall be used in such a way as to cause no material injury to existing water rights. The issuance of the permit does not assure the applicant 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.

APPROVED PURUSANT TO C.R.S. 37-92-602 (3) (c) FOR THE RELOCATION OF EXISTING WELL PERMIT NO. 141441. THE EXISTING WELL MUST BE PLUGGED AND ABANDONED ACCORDING TO THE RULES AND REGULATIONS FOR WATER WELL AND PUMP INSTALLATION CONTRACTORS WITHIN NINETY (90) DAYS OF COMPLETION OF THE NEW WELL. THE ENCLOSED AFFIDAVIT FORM MUST BE COMPLETED AND SUBMITTED AFFIRMING THAT THE OLD WELL WAS PLUGGED AND ABANDONED.

2) THE USE OF GROUNDWATER FROM THIS WELL IS LIMITED TO FIRE PROTECTION, ORDINARY HOUSEHOLD PURPOSES INSIDE A SINGLE FAMILY DWELLING, THE IRRIGATION OF NOT MORE THAN ONE ACRE OF HOME GARDENS AND LAWNS, AND THE WATERING OF DOMESTIC ANIMALS.
AW 9-13-85

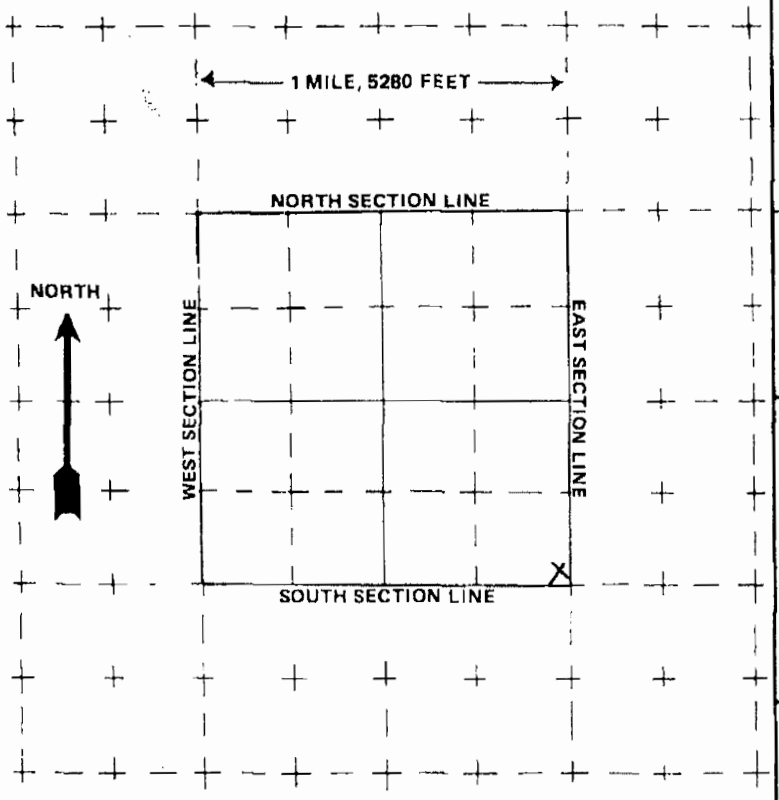
APPLICATION APPROVED

PERMIT NUMBER 141441-A
DATE ISSUED SEP 26 1985
EXPIRATION DATE SEP 26 1987

Robert C. Longenbaugh
(STATE ENGINEER)
BY Steve Lautenbaugh
Assistant

I.D. 1-01 COUNTY 44

(5) THE LOCATION OF THE PROPOSED WELL and the area on which the water will be used must be indicated on the diagram below. Use the CENTER SECTION (1 section, 640 acres) for the well location.



The scale of the diagram is 2 inches = 1 mile
Each small square represents 40 acres.

WATER EQUIVALENTS TABLE (Rounded Figures)

An acre-foot covers 1 acre of land 1 foot deep
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm)
A family of 5 will require approximately 1 acre-foot of water per year.
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.

(6) THE WELL MUST BE LOCATED BELOW by distances from section lines.

68 ft. from South (north or south) sec. line

83 ft. from East (east or west) sec. line

LOT _____ BLOCK _____ FILING # _____

SUBDIVISION None

(7) TRACT ON WHICH WELL WILL BE LOCATED Owner: Riverside Irr. Dist.

No. of acres 160. Will this be the only well on this tract? Yes

(8) PROPOSED CASING PROGRAM

Plain Casing

5 in. from + 1 ft. to 40 ft.

_____ in. from _____ ft. to _____ ft.

Perforated casing

5 in. from 40 ft. to 60 ft.

_____ in. from _____ ft. to _____ ft.

(9) FOR REPLACEMENT WELLS give distance and direction from old well and plans for plugging it:

Old Well to be filled according to State Regulations 10' East of Old Well

(10) LAND ON WHICH GROUND WATER WILL BE USED:

Owner(s): Riverside Irrigation District No. of acres: 160

Legal description: SE¼-Sec.30-T5N-R57W-Morgan Co,

(11) DETAILED DESCRIPTION of the use of ground water: **Household use and domestic wells must indicate type of disposal system to be used.** House, Lawn, Livestock

Septic Tank & Leach Field

(12) OTHER WATER RIGHTS used on this land, including wells. Give Registration and Water Court Case Numbers.

Type or right	Used for (purpose)	Description of land on which used
None		

(13) THE APPLICANT(S) STATE(S) THAT THE INFORMATION SET FORTH HEREON IS TRUE TO THE BEST OF HIS KNOWLEDGE.

Riverside Irrigation District Supt. Lloyd Osborne

SIGNATURE OF APPLICANT(S)

Use additional sheets of paper if more space is required.

WJR-26-77

9-26-85

RECEIVED

OCT 15 1985

WATER RESOURCES
STATE - ENGINEER
COLO.

THIS FORM MUST BE SUBMITTED WITHIN 60 DAYS OF COMPLETION OF THE WORK DESCRIBED HEREON. TYPE OR PRINT IN BLACK INK.

COLORADO DIVISION OF WATER RESOURCES

1313 Sherman Street - Room 818
Denver, Colorado 80203

WELL COMPLETION AND PUMP INSTALLATION REPORT

PERMIT NUMBER 141441-A

WELL OWNER Riverside Irrigation District

ADDRESS P. O. Box 455, Ft. Morgan, CO. 80701

DATE COMPLETED October 7, 1985

SE ¼ of the SE ¼ of Sec. 30,

T. 5 N, R. 57 W, 6th P.M.

WELL LOG

From	To	Type and Color of Material	Water Loc.
0	2	loam	
2	12½	clay, sand	
12½	27½	fine sand, clay	
27½	40	clay, fine sand (traces)	31'
40	52½	fine sand, some clay	
52½	55	sandstone sand, fine sand, fairly clean, traces of clay	
55	57½	clay, traces of fine sand	
57½	61	clay	
61	75	blue shale	

TOTAL DEPTH 75'

Use additional pages necessary to complete log.

HOLE DIAMETER

12 in. from 0 to 75 ft.

___ in. from ___ to ___ ft.

___ in. from ___ to ___ ft.

DRILLING METHOD ___

CASING RECORD: Plain Casing

Size 5" & kind Plastic from + 1 to 34 ft.

Size ___ & kind ___ from ___ to ___ ft.

Size ___ & kind ___ from ___ to ___ ft.

Perforated Casing

Size 5" & kind Plastic from 34 to 75 ft.

Size ___ & kind ___ from ___ to ___ ft.

Size ___ & kind ___ from ___ to ___ ft.

GROUTING RECORD

Material Cement

Intervals 6-36

Placement Method Spill Tube

GRAVEL PACK: Size ___

Interval ___

TEST DATA

Date Tested October 7, 1985

Static Water Level Prior to Test 31 ft.

Type of Test Pump Bailed

Length of Test 3 hrs.

Sustained Yield (########) 15 gpm

Final Pumping Water Level 36'

PUMP INSTALLATION REPORT

Pump Make Fairbanks Morse

Type Submersible

Powered by Electric HP ½

Pump Serial No. None

Motor Serial No. None

Date Installed October 8, 1985

Pump Intake Depth 61'

Remarks

WELL TEST DATA WITH PERMANENT PUMP

Date Tested

Static Water Level Prior to Test

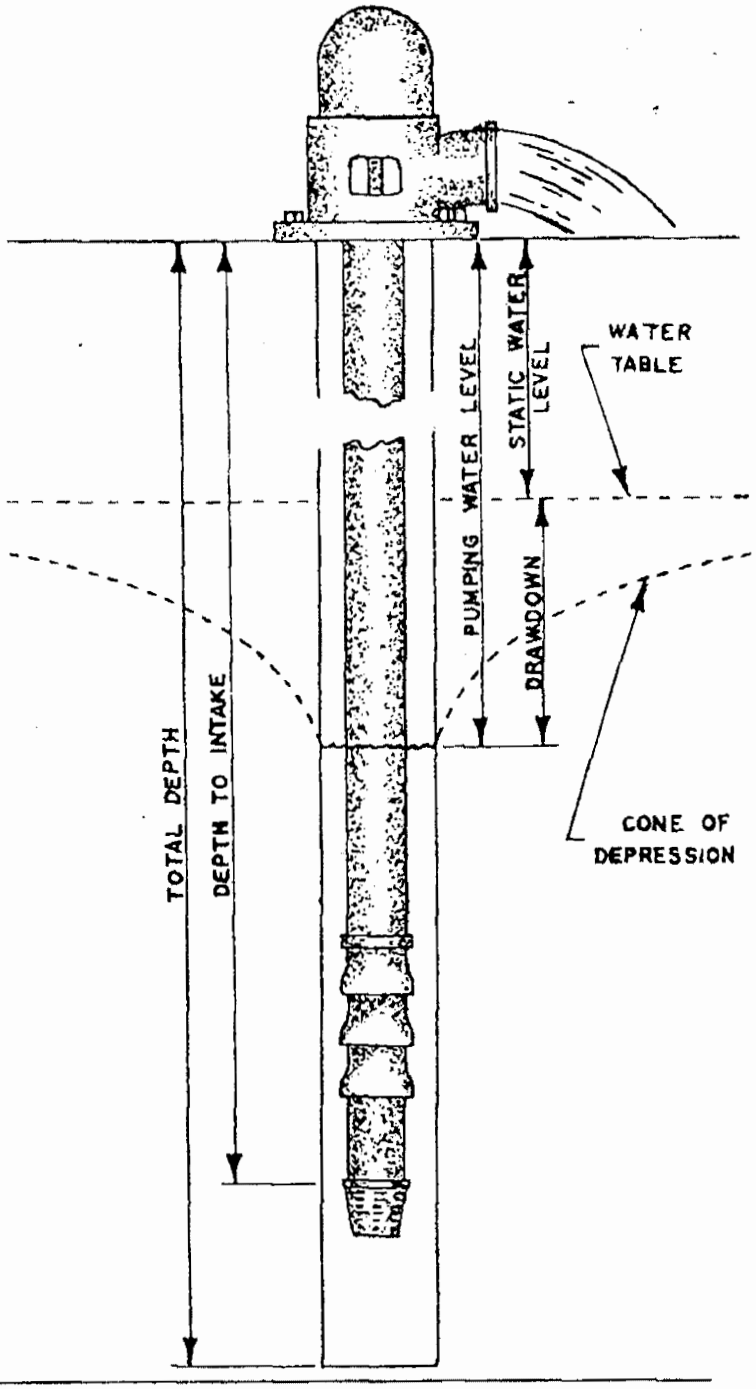
Length of Test Hours

Sustained yield (Metered) GPM

Pumping Water Level

Remarks

No Test Made



CONTRACTORS STATEMENT

The undersigned, being duly sworn upon oath, deposes and says that he is the contractor of the well or pump installation described hereon; that he has read the statement made hereon; knows the content thereof, and that the same is true of his own knowledge.

Signature L. George Canfield License No. 765

State of Colorado, County of Morgan SS

Subscribed and sworn to before me this 11th day of October, 1985.

My Commission expires: August 31, 1988.

Notary Public Gerald Rivers

FORM TO BE MADE OUT IN QUADRUPLICATE: WHITE FORM must be an original copy on both sides and signed. WHITE AND GREEN copies must be filed with the State Engineer. PINK COPY is for the Owner and YELLOW COPY is for the Driller.

WRJ-25-75

E

RECEIVED
OCT 15 1985
WATER RESOURCES
STATE ENGINEER

TYPE OR PRINT IN BLACK INK. COPY OF ACCEPTED STATEMENT MAILED ON REQUEST.

COLORADO DIVISION OF WATER RESOURCES

818 Centennial Bldg., 1313 Sherman St.
Denver, Colorado 80203

STATE OF COLORADO
COUNTY OF Morgan } SS.

AFFIDAVIT

__x__ STATEMENT OF BENEFICIAL USE OF GROUND WATER
_____ AMENDMENT OF EXISTING RECORD
_____ LATE REGISTRATION

PERMIT NUMBER 141441-F

LOCATION OF WELL

THE AFFIANT(S) Riverside Irrigation District whose mailing address is P. O. Box 455 City Ft. Morgan, CO. 80701 (STATE) (ZIP)

County Morgan

SE ¼ of the SE ¼, Section 30

Twp. 5 N (N OR S), Rng. 57 W (E OR W), 6th P M

being duly sworn upon oath, deposes and says that he (they) is (are) the owner(s) of the well described hereon, the well is located as described above, at distances of 68 feet from the South (NORTH OR SOUTH) section line and 93 feet from the East (EAST OR WEST) section line; water from this well was first applied to a beneficial use for the purpose(s) described herein on the 8th day of October, 19 85; the maximum sustained pumping rate of the well is 15 gallons per minute, the pumping rate claimed hereby is 15 gallons per minute; the total depth of the well is 75 feet; the average annual amount of water to be diverted is 1 acre-feet; for which claim is hereby made for House, Lawn, Livestock purpose(s); the legal description of the land on which the water from this well is used is SE¼-Sec.30-T5N-R57W-Morgan Co. of which Less than 1 acres are irrigated and which is illustrated on the map on the reverse side of this form; that this well was completed in compliance with the permit approved therefor; this statement of beneficial use of ground water is filed in compliance with law; he (they) has (have) read the statements made hereon; knows the content thereof; and that the same are true of his (their) knowledge.

(COMPLETE REVERSE SIDE OF THIS FORM)

Signature(s) Cecil J. Osborne

Subscribed and sworn to before me on this 14 day of Oct, 19 85

My Commission expires: 1/10/85

(SEAL)

William J. Ward
NOTARY PUBLIC

ACCEPTED FOR FILING BY THE STATE ENGINEER OF COLORADO PURSUANT TO THE FOLLOWING CONDITIONS:

THAT THOSE CONDITIONS OF APPROVAL AS STATED ON THE PERMIT ARE COMPLIED WITH.

FOR OFFICE USE ONLY

Court Case No. _____

Prior _____ Mo _____ Day _____ Yr _____

Div. 1 Cty. 44

Sec. _____ ¼ ¼ ¼

Well Use 1 2

Dist. 01 Basin _____ Man Dis _____

AUG 13 1986
DATE

Richard C. Longenbaugh
Assistant STATE ENGINEER

BY

Well drilled by Canfield Drilling Co. Lic. No. 765

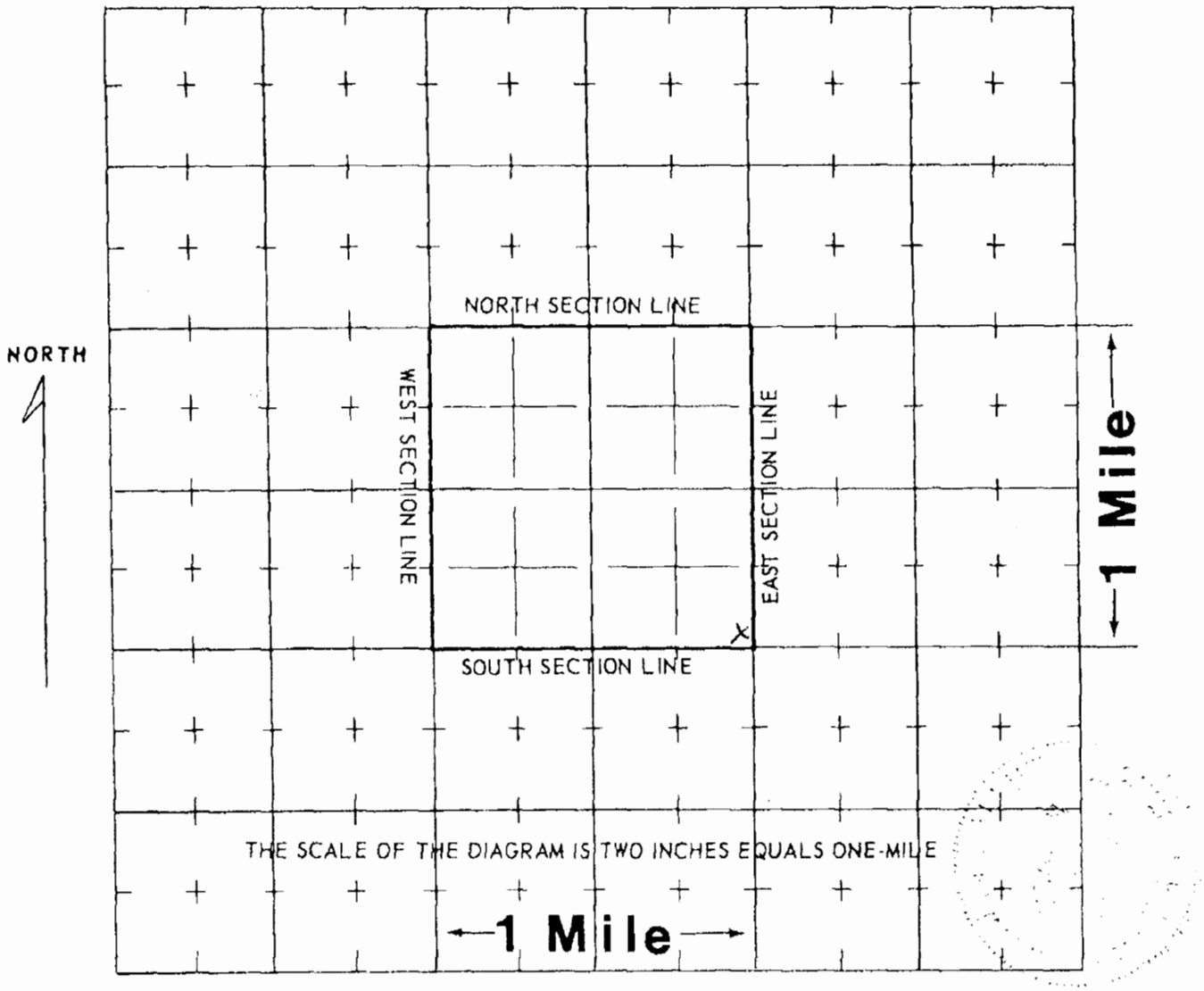
Permanent Pump installed by Canfield Drilling Co. Lic. No. 729

Meter Serial No. _____ ☐ Flow Meter Date Installed _____

Owner of land on which water is being used Riverside Irrigation District.

THE LOCATION OF THE WELL MUST BE SHOWN AND FOR LARGE CAPACITY IRRIGATION WELLS THE AREA ON WHICH THE WATER IS USED MUST BE SHADED OR CROSS-HATCHED ON THE DIAGRAM BELOW.

This diagram represents nine (9) sections. Use the **CENTER SQUARE** (one section) to indicate the location of the well, if possible.



WATER EQUIVALENTS TABLE (Rounded Figures)

An acre-foot covers 1 acre of land 1 foot deep.
1 cubic foot per second (cfs) . . . 449 gallons per minute (gpm).
1 acre-foot . . . 43,560 cubic feet . . . 325,900 gallons.
1,000 gpm pumped continuously for one day produces 4.42 acre-feet.
100 gpm pumped continuously for one year produces 160 acre-feet.

**(WHITE AND PINK COPY TO BE FILED WITH THE STATE ENGINEER
PINK COPY WILL BE RETURNED TO OWNER)**

COLORADO
Division of Water Resources
Department of Natural Resources

WELL PERMIT NUMBER 30876--A
RECEIPT NUMBER 0465377

ORIGINAL PERMIT APPLICANT(S)

WHITNEY JAMES D & BECKY M

APPROVED WELL LOCATION

Water Division: 1 Water District: 1
Designated Basin: N/A
Management District: N/A
County: MORGAN
Parcel Name: N/A
Physical Address: 24592 COUNTY ROAD 19 FORT MORGAN, CO 80701

NE 1/4 NW 1/4 Section 32 Township 5.0 N Range 57.0 W Sixth P.M.

UTM COORDINATES (Meters, Zone:13, NAD83)

Easting: 603538.0 Northing: 4468561.2

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 assure the applicant 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 37-92-602(3)(c) for the relocation of an existing well, permit no. 30876. The old well must be plugged in accordance with Rule 16 of the Water Well Construction Rules within ninety (90) days of completion of the new well. The enclosed Well Abandonment Report form must be completed and submitted to affirm that the old well was plugged.

4) The use of ground water from this well is limited to fire protection, ordinary household purposes inside one single family dwelling, the watering of poultry, domestic animals and livestock on a farm or ranch and the irrigation of not more than 1/2 acre (21,780 square feet) of home gardens and lawns.

5) The maximum pumping rate of this well shall not exceed 15 GPM.

6) This well shall be constructed not more than 200 feet from the location specified on this permit.

See Original Permit

Issued By

Date Issued: 8/29/2000
Expiration Date: 8/29/2002

PERMIT HISTORY

08-30-2024	CHANGE IN OWNER NAME/MAILING ADDRESS. CHANGED TO CK2 CATTLE COMPANY, LLC (KIRK T. CRONE)
08-30-2024	CHANGE IN OWNER NAME/MAILING ADDRESS. CHANGED TO CK2 CATTLE COMPANY, LLC (TRAVIS L. KROSKOB)
08-30-2024	CHANGE IN OWNER NAME/MAILING ADDRESS. CHANGED TO CK2 CATTLE COMPANY, LLC (BRANDON T. KROSKOB)

Northeast Colorado Health Department

March 10, 2025

Erin Kress
THEngineering, LLC
PO Box 337748
Greeley, CO 80633

Dear Erin:

Northeast Colorado Health Department (NCHD) has no objection to the proposed plans for the CK2 Cattle expansion project. During construction, porta-potties will be used for the collection of sanitary waste. We ask that you provide NCHD a signed contract with a licensed NCHD pumper before construction begins.

The Onsite Wastewater Treatment System (OWTS) will be designed for appropriate number of employees and used for sanitary waste only. Said project site will be located in Section's 30, 31 & 32 – Township 5N – Range 57W of Morgan County, Colorado. Potable water will be served by a private well located on said properties.

Prior to installation, the owner(s) shall obtain from this office, an application to install an OWTS and remit the appropriate fee. The system will need to be designed by a P/E, once the design is received and approved, this department will issue a permit to install the system. Construction of a septic system shall conform to all REGULATION NO. 43 - ON-SITE WASTEWATER TREATMENT SYSTEM REGULATION 5 CCR 1002-43; including, but not limited to, setback distances from wells, creeks, irrigation ditches, property lines, buildings, high water and other septic systems.

Please Note: sewage systems for commercial businesses or facilities may have further requirements such as but not limited to the following:

1. A professional engineer may be required to design the OWTS.
2. Approval from the Colorado Department of Public Health and Environment, Water Quality Division may be needed.
3. Approval from the EPA, Class V Underground Injection Control Program may be needed.

If there are any questions please call me at 970/867-4918 ext. 2282

Sincerely,

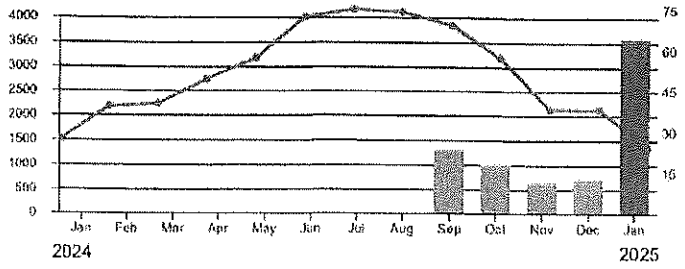
Melvin Bustos
Environmental Health Manager
Northeast Colorado Health Department

Cc: Trish McClain, BSN, RN | Public Health Director
Elissa Groves, Environmental Health Specialist
Northeast Colorado Health Department

Location: 0557327600 Service Desc: RURAL - RESIDENTIAL Service Address: 24592 COUNTY ROAD 19 *

Rate Class	Meter No.	Reading Dates From	Reading Dates To	Days Served	Readings Previous	Readings Present	Multiplier	kWh Usage	Demand Reading
001	136830340	01/01/2025	02/01/2025	31	33865	37445	1.0	3580	12.125

kWh Previous Months Current Month Average Temp Temp



Current Service Detail

Facility Charge		$31.00
Energy Charge	3,580 kWh @ .113800	$407.40
Total Current Charges		**$438.40**

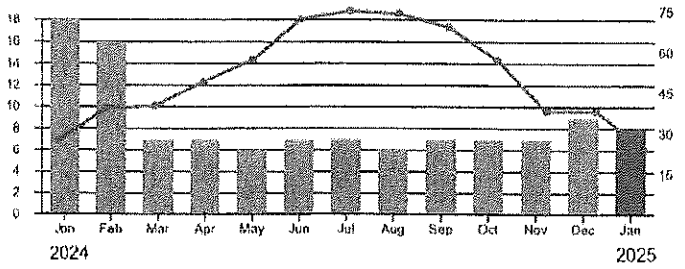
Energy Usage Comparison

This Month	Last Month	This Month Last Year	Avg Daily Use	Avg Daily Cost	Avg Temp
3580 kWh 31 days	722 kWh 31 days	0 kWh 30 days	115 kWh	$14.14	24

Location: 0457150200 Service Desc: STOCKWELL Service Address: STOCKWELL-GUN CLUB

Rate Class	Meter No.	Reading Dates From	Reading Dates To	Days Served	Readings Previous	Readings Present	Multiplier	kWh Usage	Demand Reading
005	136830264	01/01/2025	02/01/2025	31	8905	8913	1.0	8	0.094

kWh Previous Months Current Month Average Temp Temp



Current Service Detail

Facility Charge		$35.00
Energy Charge	8 kWh @ .114800	$0.92
Total Current Charges		**$35.92**

Energy Usage Comparison

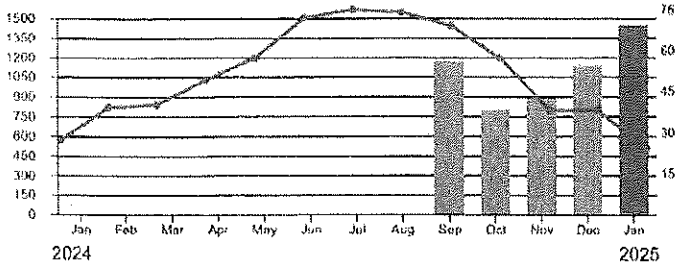
This Month	Last Month	This Month Last Year	Avg Daily Use	Avg Daily Cost	Avg Temp
8 kWh 31 days	9 kWh 31 days	18 kWh 31 days	0 kWh	$1.16	24

MEMBER NAME	**CK2 CATTLE COMPANY**
Account Number	2645200
Statement Date	02/01/2025

cation: 0557327700 Service Desc: RURAL - RESIDENTIAL Service Address: 24986 COUNTY ROAD 19

Rate Class	Meter No.	Reading Dates From	Reading Dates To	Days Served	Readings Previous	Readings Present	Multiplier	kWh Usage	Demand Reading
001	136831553	01/01/2025	02/01/2025	31	13291	14740	1.0	1449	4.706

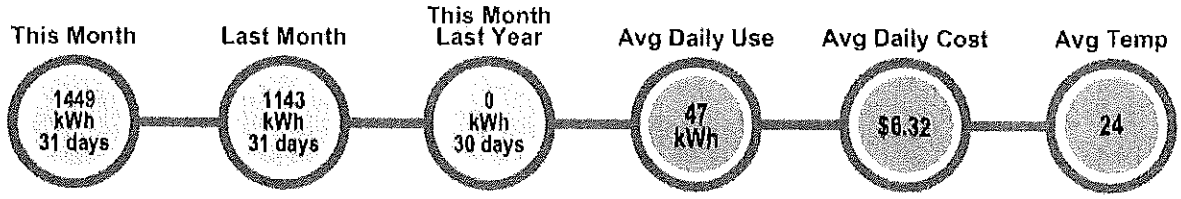
kWh Previous Months Current Month Average Temp Temp



Current Service Detail

Facility Charge		$31.00
Energy Charge	1,449 kWh @ .113800	$164.90
Total Current Charges		**$195.90**

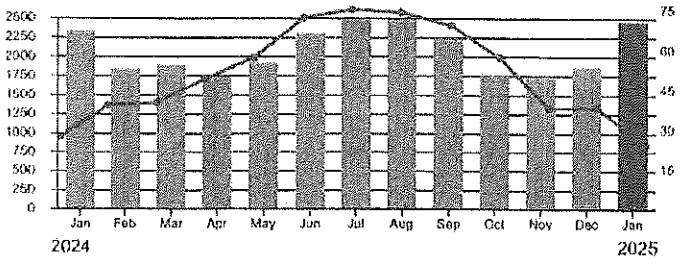
Energy Usage Comparison



Location: 0457117800 Service Desc: RURAL RESIDENTIAL Service Address: 22251 CR 23

Rate Class	Meter No.	Reading Dates From	Reading Dates To	Days Served	Readings Previous	Readings Present	Multiplier	kWh Usage	Demand Reading
001	170097575	01/01/2025	02/01/2025	31	41683	44141	1.0	2458	12.948

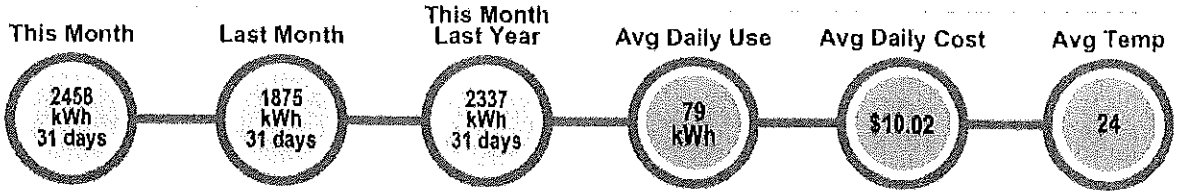
.Wh Previous Months Current Month Average Temp Temp



Current Service Detail

Facility Charge		$31.00
Energy Charge	2,458 kWh @ .113800	$279.72
Total Current Charges		**$310.72**

Energy Usage Comparison



Morgan County Rural Electric Association

734 Barlow Road · P.O. Box 738 · Fort Morgan, Colorado 80701
(970) 867-5688 · FAX: (970) 867-3277 · e-mail: memberservices@mcrea.org

A Touchstone Energy® Cooperative

March 6, 2025

CK2 CATTLE COMPANY
22251 COUNTY ROAD 23
FORT MORGAN CO 80701-9335-51

RE: **Certification of Electric Power**
Sec 30 & 31, T05N, R57W
Parcel Number 097730000001
CK2 CATTLE COMPANY

This letter is in regard to a request to provide certification to the Morgan County Planning and Zoning Commission, that we can provide sufficient electric power for CK2 Cattle Company in Sections 30 and 31, Township 05 North, Range 57 West.

Morgan County REA presently has electric distribution lines near this property, and will be able to provide electric service to the proposed site.

We hope this letter will suffice. If we can be of any further assistance, please feel free to contact the office.

Sincerely,

Brent Kliesen
Field Engineer
Morgan County REA
734 Barlow Road
PO Box 738
Fort Morgan, CO 80701
970-867-5688 (Office)

Morgan County Rural Electric Association

734 Barlow Road · P.O. Box 738 · Fort Morgan, Colorado 80701
(970) 867-5688 · FAX: (970) 867-3277 · e-mail: memberservices@mcrea.org

A Touchstone Energy Cooperative
The power of human connections

March 25, 2025

CK2 CATTLE COMPANY
22251 COUNTY ROAD 23
FORT MORGAN CO 80701-9335-51

RE: Certification of Electric Power
Sec 30 & 31, T05N, R57W
Parcel Number 097731000001
CK2 CATTLE COMPANY

This letter is in regard to a request to provide certification to the Morgan County Planning and Zoning Commission, that we can provide sufficient electric power for CK2 Cattle Company in Sections 30 and 31, Township 05 North, Range 57 West.

Morgan County REA presently has electric distribution lines near this property, and will be able to provide electric service to the proposed site.

We hope this letter will suffice. If we can be of any further assistance, please feel free to contact the office.

Sincerely,

Brent Kliesen
Field Engineer
Morgan County REA
734 Barlow Road
PO Box 738
Fort Morgan, CO 80701
970-867-5688 (Office)

Erin Kress [redacted]

Application for Driveway Access Permit

1 message

Erin Kress [redacted] Thu, Feb 13, 2025 at 9:19 AM
To: "rbmorganc@co.morgan.co.us" <rbmorganc@co.morgan.co.us>

Good morning,
Please see attached six applications for driveway access permits as well as a map showing the six access locations.

This project is part of a special use permit application submission through Planning and Zoning. We attended a pre-application meeting with Planning/Zoning and the Road and Bridge Department. Bruce was in attendance and is aware of the project.

Please reach out with any questions.

Thanks!
Erin

--

Erin Kress
THEngineering, LLC
PO Box 337748
Greeley, CO 80633
[redacted]
719-362-4768 fax
[redacted]
www.thengineeringonline.com

7 attachments

Access Map.pdf
331K

Driveway App_3.pdf
1003K

Driveway App_1.pdf
1003K

Driveway App_2.pdf
1003K

Driveway App_4.pdf
1003K

Driveway App_5.pdf
1003K

Driveway App_6.pdf
1003K

Application for Driveway Access Permit

Morgan County, Colorado

Instructions for Completing and Submitting Application

1. Property Owner (Permittee): Please provide the full name, mailing address, telephone number and email address *(if available)* of the legal property owner. The provided telephone number should be one where the Permittee can be reached during business hours Monday through Friday, 8:00 a.m. to 4:00 p.m. MDT.

2. Agent of Permittee: If the applicant *(person or company completing this application)* is different from the legal property owner *(Permittee)*, provide entity name *(if applicable)*, the full name of the person serving as the agent, mailing address, telephone number, and email address *(if available)*. The provided telephone number should be one where the Agent can be reached during business hours Monday through Friday, 8:00 a.m. to 4:00 p.m. MDT. *Please provide documentation you are an agent of property owner.*

3. Legal Description of property: Provide the legal description to the full extent that applies for the property to be accessed by the requested driveway. Include the Assessor parcel number. This information is available through the County Assessor or Clerk and Recorders office or on your property deed(s).

4. Road Access: Complete the information on the County Road that will be accessed by this proposed driveway.

5. New or Existing Driveway: Complete the information for the driveway type.
   New Driveways:
   - In determining location for the proposed driveway, take into account: line of site distances, relationship to road intersections, and relationship to crests of hills.
   - Please indicate the desired width of the new requested driveway.
   - If possible, provide a map showing the desired location of the proposed driveway.
   - ***The proposed area for the new driveway must be clearly marked with flagged stakes on each side of the proposed area.*** *Please have the location marked as indicated prior to submitting application.*

6. Initial the bottom of page two (2) in the provided location indicating that you have read and understand the terms and conditions.

7. Signature Section must be signed and dated by the property owner or agent. *Applications will not be processed until they are fully completed, initialed, signed and submitted, along with any additional required documents.*

8. Submittal of Application: Please submit application and all corresponding paperwork to:

   By mail or in person: Morgan County Road and Bridge Department
   P.O. Box 516
   17303 County Road S
   Fort Morgan, CO 80701

   By Email to: rbmorganc@co.morgan.co.us

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Application for Driveway Access Permit

Morgan County, Colorado

Terms and Conditions

1. The granting of this permit application is for one (1) property access across the county right of way onto a county road. The access must not exceed the approved width defined on the approved permit. Additional accesses crossing the right of way must be applied for separately.
2. If this access is to be onto an access/travelling easement, then a copy of the easement, recorded plat or use agreement must accompany this application.
3. The granting of a driveway access permit by Morgan County is only for the purpose of crossing the right of way under the counties jurisdiction. It is the permittee's responsibility to identify and obtain permissions to cross any other easements, covenants, right of ways or private agreements that may exist.
4. If the access request is onto any Federal or State lands, you must provide the names and contact information for the relevant agencies and attach a copy of the authorization for the property use.
5. All property owners/agents are responsible for any damages that may occur to the county road or right of way during installation of said driveway.
6. The construction and all costs associated with the construction of the driveway are the responsibility of the property owner/agent. The construction cannot exceed the defined width and must include any specified culverts required as defined in the approved permit. Culverts may be purchased from anywhere, however they must be approved by the county prior to installation. Culverts may also be purchased from Morgan County Road and Bridge.
7. If a culvert is required, it is for use by Morgan County to protect the road and right of way. Morgan County retains the right to utilize the culvert in any way it deems necessary.
8. If a culvert is not required at the time of permit issuance, however, in the future a culvert is deemed necessary, the cost of said culvert may be at the property owner's expense.
9. Inside the county right of way, the driveway may only consist of the travelling surface to access the property. No other structures or appurtenances may be placed in the right of way *(examples: columns, walls, fencing, large rocks, etc.)*. The only exception to this requirement is mailboxes.
10. During the construction of an approved driveway, it is the responsibility of the property owner/agent and/or their contractor to insure safety to the travelling public. This could include the use of signs, cones and/or traffic control as necessary.
11. All repairs, maintenance and costs associated with said driveway are the responsibility of the property owner/agent.
12. Morgan County is not responsible for any damages to the driveway caused by normal maintenance operations, including but not limited to mowing, grading, and snowplowing.
13. The property owner/agent agrees to hold harmless, indemnify, and defend Morgan County from any claim of any person arising from the installation, use, maintenance, or removal of the driveway in the county right of way.
14. The terms, conditions and requirements defined in this application and subsequent approved permit will remain valid through any future sales, transfer of ownership or assignments of the property defined in this driveway application.

KC *Please Initial that you have read and understand the terms and conditions outlined on this page.*

Application for Driveway Access Permit
Morgan County, Colorado

1. **Property Owner** *(Permittee)*:
   Name: CK2 Cattle Company, LLC
   Address: 22251 County Road 23
   City/State/Zip Code: Fort Morgan, CO 80701
   Phone [redacted] Email: [redacted]
2. **Agent of Property Owner** *(If Applicable)*
   Company/Individual Name THEngineering, LLC
   Contact Name *(If Applicable)* Erin Kress
   Address: PO Box 337748
   City/State/Zip Code: Greeley, CO 80633
   Phone [redacted] Email: [redacted]
3. **Legal Description:**
   Parts of Sections 30, 31, 32 Township 5N, Range 57W

   Parcel Number: 097732000002
4. **Road Access:**
   Access onto County Road 19 *(Circle Direction)* North /~~South~~/~~East~~/~~West~~ of County Road Y
5. **Driveway Type:** *(Check One)* **New Driveway X Existing Driveway _____
   Desired width of New Driveway 30 Feet.
   ****If this is a new driveway location, please place flagged stake marker on each side of the requested driveway location.**

I have read the instructions, terms and conditions outlined in this Driveway Access Permit Application, and agree to all terms and conditions outlined therein. furthermore, I understand no liability is assumed by the County of Morgan, Colorado or its agents by issuance of a permit for this application and all costs, present and future, associated with the access provided by an Approved Driveway Access Permit are the responsibility of the property owner/agent and or any future assignees. The applicant declares the information provided are true and complete to the best of their knowledge.

Kirk C. — *Property Owner/Agent Signature*

01/29/2025 — *Date*

Submit Completed Application and All Supporting Documents to:
Morgan County Road and Bridge Department
P.O. Box 516
17303 County Road 5
Fort Morgan, CO 80701
Or by Email to: [redacted]
Phone: (970) 542-3560 Fax: (970) 542-3569

For Office Use only below this line

Determination: X Approved ____ Denied (*Reason for Denial*): _____

GPS Coordinates, Centerline of Driveway in relation to road: Latitude: 40.356490

Maximum Width of Driveway: 40 Feet Longitude: -103.785838

Culvert Required: *YES* / (NO) *If Yes,* Size: _____

Closest Intersecting Road Y Measurement from Closest Intersecting Road 2751 Feet

Driveway Access Code: DRV19-0.521-E-Y

Completed By: _____ Date: 3-4-25

Parcel Number:0977-320-00-002 Account Number:R009618

Property

Address

24592 CO RD 19
FORT MORGAN, CO 80701

Physical

Acres: 240 Land Sq Ft: 529,580

Property Class FLOOD IRRIGATED LAND, GRAZING LAND, FARM/RANCH WASTE LAND, FARM/RANCH RESIDENCE, FARM/RANCH SUPPORT IMPS

Zoning — Value

			Assessed	Actual
Planning:	A			
Assessor:	4117, 4147, 4167, 4277, 4279	Land:	$14,170	$53,650
		Imp:	$39,160	$475,930

Legal Description

Block: Lot:

PLSS: 05N 57W 032

Boundary: NW1/4 & W1/2NE1/4

Legal: S: 32 T: 5 R: 57 NW1/4 & W1/2NE1/4

Owner

Name: CK2 CATTLE COMPANY LLC

Address: 22251 CO RD 23
FORT MORGAN, CO 80701

District 247

Taxing Authorities

School District: School District RE-3 Fire Protection District: Fort Morgan Fire

Water Districts: Northern Colorado Water, Quality Water Special Districts:

Voting Districts

House District: 63 Congressional District: 4 Precinct: 11

Sentate District 1 Commissioner District: 3 Town: --

Other

Subdivision: Neighborhood: OUTER RR RESD Condo:

Sales

Most Recent Sale

Sale Date: 8/30/2024 Document Type: WARRANTY DEE Deed Type: WD

Sale Price: 4600000 Document Number: 952819

Grantor: WHITNEY, JAMES D & BECKY M

Grantee: CK2 CATTLE COMPANY LLC

Remarks:

Approved Driveway Access Permit

Morgan County, Colorado

Driveway Access Code:	DRV19-0.521-E-Y			Date:	3-4-25	
Property Owner (Permittee):						
Name:	CK2 Cattle Company, LLC					
Address:	22251 County Road 23					
Address:						
City:	Fort Morgan	State:	CO	Zip Code:	80701	
Phone:	[redacted]	Email:	[redacted]			
Agent of Property Owner (If Applicable)						
Name:	THEngineering, LLC					
Address:	P.O. Box 337748					
Address:						
City:	Greeley	State:	CO	Zip Code:	80633	
Phone:	[redacted]	Email:	[redacted]			
Parcel Number:	097732000002					
Legal Description:	S:32 T:5 R:57 NW ¼ & W ½ NE ¼ West of the 6th PM					
GPS Coordinates at the Centerline of Driveway:		Latitude:	40.356490			
		Longitude:	-103.785838			
Access onto County Road:	MCR 19					
Driveway Type:	X New		Existing			
Maximum Width of Approved Driveway is:		40 FEET				
Culvert Required:	X No		Yes	*If Yes, Required Size is:*		Inch

If a culvert is not required at the time of permit issuance but future conditions deem one necessary, the cost of said culvert may be at the property owner's expense.

The above identified driveway has been approved by Morgan County Road and Bridge Department pursuant to all terms and conditions outlined in the Application for Driveway Access Permit are adhered to. Failure to comply with these term and conditions may result in this permit being revoked and/or the driveway being removed at permittee's expense. This permit is valid only for the one driveway access identified above. Construction of said driveway may proceed.

Morgan County, Colorado
Public Works Department

3-5-25

James Rehn — *Authorized Morgan County Agent Signature* — Date

Application for Driveway Access Permit
Morgan County, Colorado

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   By Email to: rbmorganc@co.morgan.co.us

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Application for Driveway Access Permit
Morgan County, Colorado

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KC *Please Initial that you have read and understand the terms and conditions outlined on this page.*

Application for Driveway Access Permit
Morgan County, Colorado

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   Name: CK2 Cattle Company, LLC
   Address: 22251 County Road 23
   City/State/Zip Code: Fort Morgan, CO 80701
   Phone [redacted] Email: [redacted]
2. **Agent of Property Owner** *(If Applicable)*
   Company/Individual Name THEngineering, LLC
   Contact Name *(If Applicable)* Erin Kress
   Address: PO Box 337748
   City/State/Zip Code: Greeley, CO 80633
   Phone [redacted] Email: [redacted]
3. **Legal Description**:
   Parts of Sections 30, 31, 32 Township 5N, Range 57W

   Parcel Number: 097732000002
4. **Road Access**:
   Access onto County Road 19 *(Circle Direction)* North ~~/ South / East / West~~ of County Road Y
5. **Driveway Type:** *(Check One)* **New Driveway X Existing Driveway _____
   Desired width of New Driveway 30 Feet.
   ***If this is a new driveway location, please place flagged stake marker on each side of the requested driveway location.**

I have read the instructions, terms and conditions outlined in this Driveway Access Permit Application, and agree to all terms and conditions outlined therein, furthermore, I understand no liability is assumed by the County of Morgan, Colorado or its agents by issuance of a permit for this application and all costs, present and future, associated with the access provided by an Approved Driveway Access Permit are the responsibility of the property owner/agent and or any future assignees. The applicant declares the information provided are true and complete to the best of their knowledge.

Kirk C. — *Property Owner/Agent Signature*

01/27/2025 — *Date*

Submit Completed Application and All Supporting Documents to:
Morgan County Road and Bridge Department
P.O. Box 516
17303 County Road S
Fort Morgan, CO 80701
Or by Email to: [redacted]
Phone: (970) 542-3560 Fax: (970) 542-3589

For Office Use only below this line

Determination: X Approved _____ Denied *(Reason for Denial)*: _____

GPS Coordinates, Centerline of Driveway in relation to road: Latitude: 40.356847

Maximum Width of Driveway: _____ Feet Longitude: -103.785908

Culvert Required: YES (NO) *If Yes, Size:* _____

Closest Intersecting Road Y Measurement from Closest Intersecting Road 2870 Feet

Driveway Access Code: DRV19-0.544-W-Y

Completed By: [signature] Date: 3-4-25

Approved Driveway Access Permit

Morgan County, Colorado

Driveway Access Code:	DRV19-0.544-W-Y				Date:	3-4-25	
Property Owner (Permittee):							
Name:	CK2 Cattle Company, LLC						
Address:	22251 County Road 23						
Address:							
City:	Fort Morgan	State:	CO	Zip Code:	80701		
Phone:	[redacted]	Email:	[redacted]				
Agent of Property Owner (If Applicable)							
Name:	THEngineering, LLC						
Address:	P.O. Box 337748						
Address:							
City:	Greeley	State:	CO	Zip Code:	80633		
Phone:	[redacted]	Email:	[redacted]				
Parcel Number:	097732000002						
Legal Description:	S:32 T:5 R:57 NW ¼ & W ½ NE ¼ West of the 6th PM						
GPS Coordinates at the Centerline of Driveway:				Latitude:	40.356847		
				Longitude:	-103.785908		
Access onto County Road: MCR 19							
Driveway Type:	X	New		Existing			
Maximum Width of Approved Driveway is:			40 FEET				
Culvert Required:	X	No		Yes	*If Yes, Required Size is:*		Inch

If a culvert is not required at the time of permit issuance but future conditions deem one necessary, the cost of said culvert may be at the property owner's expense.

The above identified driveway has been approved by Morgan County Road and Bridge Department pursuant to all terms and conditions outlined in the Application for Driveway Access Permit are adhered to. Failure to comply with these term and conditions may result in this permit being revoked and/or the driveway being removed at permittee's expense. This permit is valid only for the one driveway access identified above. Construction of said driveway may proceed.

Morgan County, Colorado
Public Works Department

James Rehn — *Authorized Morgan County Agent Signature*

3-5-25 — Date

Application for Driveway Access Permit

Morgan County, Colorado

Instructions for Completing and Submitting Application

1. Property Owner (Permittee): Please provide the full name, mailing address, telephone number and email address *(if available)* of the legal property owner. The provided telephone number should be one where the Permittee can be reached during business hours Monday through Friday, 8:00 a.m. to 4:00 p.m. MDT.

2. Agent of Permittee: If the applicant *(person or company completing this application)* is different from the legal property owner *(Permittee)*, provide entity name *(if applicable)*, the full name of the person serving as the agent, mailing address, telephone number, and email address *(if available)*. The provided telephone number should be one where the Agent can be reached during business hours Monday through Friday, 8:00 a.m. to 4:00 p.m. MDT. *Please provide documentation you are an agent of property owner.*

3. Legal Description of property: Provide the legal description to the full extent that applies for the property to be accessed by the requested driveway. Include the Assessor parcel number. This information is available through the County Assessor or Clerk and Recorders office or on your property deed(s).

4. Road Access: Complete the information on the County Road that will be accessed by this proposed driveway.

5. New or Existing Driveway: Complete the information for the driveway type.
   New Driveways:
   - In determining location for the proposed driveway, take into account: line of site distances, relationship to road intersections, and relationship to crests of hills.
   - Please indicate the desired width of the new requested driveway.
   - If possible, provide a map showing the desired location of the proposed driveway.
   - ***The proposed area for the new driveway must be clearly marked with flagged stakes on each side of the proposed area.*** *Please have the location marked as indicated prior to submitting application.*

6. Initial the bottom of page two (2) in the provided location indicating that you have read and understand the terms and conditions.

7. Signature Section must be signed and dated by the property owner or agent. *Applications will not be processed until they are fully completed, initialed, signed and submitted, along with any additional required documents.*

8. Submittal of Application: Please submit application and all corresponding paperwork to:

   By mail or in person: Morgan County Road and Bridge Department
   P.O. Box 516
   17303 County Road S
   Fort Morgan, CO 80701

   By Email to: rbmorganc@co.morgan.co.us

PDF processed with CutePDF evaluation edition www.CutePDF.com

Application for Driveway Access Permit
Morgan County, Colorado

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1. The granting of this permit application is for one (1) property access across the county right of way onto a county road. The access must not exceed the approved width defined on the approved permit. Additional accesses crossing the right of way must be applied for separately.
2. If this access is to be onto an access/travelling easement, then a copy of the easement, recorded plat or use agreement must accompany this application.
3. The granting of a driveway access permit by Morgan County is only for the purpose of crossing the right of way under the counties jurisdiction. It is the permittee's responsibility to identify and obtain permissions to cross any other easements, covenants, right of ways or private agreements that may exist.
4. If the access request is onto any Federal or State lands, you must provide the names and contact information for the relevant agencies and attach a copy of the authorization for the property use.
5. All property owners/agents are responsible for any damages that may occur to the county road or right of way during installation of said driveway.
6. The construction and all costs associated with the construction of the driveway are the responsibility of the property owner/agent. The construction cannot exceed the defined width and must include any specified culverts required as defined in the approved permit. Culverts may be purchased from anywhere, however they must be approved by the county prior to installation. Culverts may also be purchased from Morgan County Road and Bridge.
7. If a culvert is required, it is for use by Morgan County to protect the road and right of way. Morgan County retains the right to utilize the culvert in any way it deems necessary.
8. If a culvert is not required at the time of permit issuance, however, in the future a culvert is deemed necessary, the cost of said culvert may be at the property owner's expense.
9. Inside the county right of way, the driveway may only consist of the travelling surface to access the property. No other structures or appurtenances may be placed in the right of way *(examples: columns, walls, fencing, large rocks, etc.)*. The only exception to this requirement is mailboxes.
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11. All repairs, maintenance and costs associated with said driveway are the responsibility of the property owner/agent.
12. Morgan County is not responsible for any damages to the driveway caused by normal maintenance operations, including but not limited to mowing, grading, and snowplowing.
13. The property owner/agent agrees to hold harmless, indemnify, and defend Morgan County from any claim of any person arising from the installation, use, maintenance, or removal of the driveway in the county right of way.
14. The terms, conditions and requirements defined in this application and subsequent approved permit will remain valid through any future sales, transfer of ownership or assignments of the property defined in this driveway application.

KC *Please initial that you have read and understand the terms and conditions outlined on this page.*

Application for Driveway Access Permit

Morgan County, Colorado

1. **Property Owner** *(Permittee)*:
   Name: CK2 Cattle Company, LLC
   Address: 22251 County Road 23
   City/State/Zip Code: Fort Morgan, CO 80701
   Phone [redacted] Email: [redacted]
2. **Agent of Property Owner** *(If Applicable)*
   Company/Individual Name THEngineering, LLC
   Contact Name *(If Applicable)* Erin Kress
   Address: PO Box 337748
   City/State/Zip Code: Greeley, CO 80633
   Phone [redacted] Email: [redacted]
3. **Legal Description:**
   Parts of Sections 30, 31, 32 Township 5N, Range 57W

   Parcel Number: 097732000002
4. **Road Access:**
   Access onto County Road 19 *(Circle Direction)* North /~~South~~/~~East~~/West of County Road Y
5. **Driveway Type:** *(Check One)* **New Driveway X Existing Driveway _____
   Desired width of New Driveway 30 Feet.
   **If this is a new driveway location, please place flagged stake marker on each side of the requested driveway location.

I have read the instructions, terms and conditions outlined in this Driveway Access Permit Application, and agree to all terms and conditions outlined therein, furthermore, I understand no liability is assumed by the County of Morgan, Colorado or its agents by issuance of a permit for this application and all costs, present and future, associated with the access provided by an Approved Driveway Access Permit are the responsibility of the property owner/agent and or any future assignees. The applicant declares the information provided are true and complete to the best of their knowledge.

Kirk C. — *Property Owner/Agent Signature*

01/29/2025 — *Date*

Submit Completed Application and All Supporting Documents to:
Morgan County Road and Bridge Department
P.O. Box 516
17303 County Road S
Fort Morgan, CO 80701
Or by Email to: [redacted]
Phone: (970) 542-3560 Fax: (970) 542-3569

For Office Use only below this line

Determination: X Approved _____ Denied *(Reason for Denial)*: _____

GPS Coordinates, Centerline of Driveway in relation to road: Latitude: 40.359722

Maximum Width of Driveway: _____ Feet Longitude: -103.785742

Culvert Required: YES (NO) *If Yes, Size:* _____

Closest Intersecting Road Y Measurement from Closest Intersecting Road 3919 Feet

Driveway Access Code: DRV19-0.742-E-Y

Completed By: _____ Date: 3-4-25

Approved Driveway Access Permit

Morgan County, Colorado

Driveway Access Code:	**DRV19-0.742-E-Y**			**Date:**	**3-4-25**	
Property Owner (Permittee):						
Name:	**CK2 Cattle Company, LLC**					
Address:	**22251 County Road 23**					
Address:						
City:	**Fort Morgan**	**State:**	**CO**	**Zip Code:**	**80701**	
Phone:	[redacted]	**Email:**	[redacted]			
Agent of Property Owner (If Applicable)						
Name:	**THEngineering, LLC**					
Address:	**P.O. Box 337748**					
Address:						
City:	**Greeley**	**State:**	**CO**	**Zip Code:**	**80633**	
Phone:	[redacted]	**Email:**	[redacted]			
Parcel Number:	**097732000002**					
Legal Description:	**S:32 T:5 R:57 NW ¼ & W ½ NE ¼ West of the 6th PM**					
GPS Coordinates at the Centerline of Driveway:				**Latitude:**	**40.359722**	
				Longitude:	**-103.785742**	
Access onto County Road:	**MCR 19**					
Driveway Type:	**X**	**New**		**Existing**		
Maximum Width of Approved Driveway is:			**40 FEET**			
Culvert Required:	**X**	**No**		**Yes**	***If Yes, Required Size is:***	**Inch**

If a culvert is not required at the time of permit issuance but future conditions deem one necessary, the cost of said culvert may be at the property owner's expense.

The above identified driveway has been approved by Morgan County Road and Bridge Department pursuant to all terms and conditions outlined in the Application for Driveway Access Permit are adhered to. Failure to comply with these term and conditions may result in this permit being revoked and/or the driveway being removed at permittee's expense. This permit is valid only for the one driveway access identified above. Construction of said driveway may proceed.

Morgan County, Colorado
Public Works Department

James Rehn — *Authorized Morgan County Agent Signature*

3-5-25 — Date

Application for Driveway Access Permit
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Morgan County, Colorado

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   Phone [redacted] Email: [redacted]
2. **Agent of Property Owner** *(If Applicable)*
   Company/Individual Name THEngineering, LLC
   Contact Name *(If Applicable)* Erin Kress
   Address: PO Box 337748
   City/State/Zip Code: Greeley, CO 80633
   Phone [redacted] Email: [redacted]
3. **Legal Description:**
   Parts of Sections 30, 31, 32 Township 5N, Range 57W

   Parcel Number: 097732000002
4. **Road Access:**
   Access onto County Road 19 *(Circle Direction)* North ~~/South/East/West~~ of County Road Y
5. **Driveway Type:** *(Check One)* **New Driveway X Existing Driveway _____
   Desired width of New Driveway 30 Feet.

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Phone: (970) 542-3560 Fax: (970) 542-3569

For Office Use only below this line

Determination: X Approved ____ Denied *(Reason for Denial)*: _____

GPS Coordinates, Centerline of Driveway in relation to road: Latitude: 40.359725

Maximum Width of Driveway: 40 Feet Longitude: -103.785833

Culvert Required: YES (NO) *If Yes, Size:* _____

Closest Intersecting Road Y Measurement from Closest Intersecting Road 3919 Feet

Driveway Access Code: DRV19-0.742-W-Y

Completed By: _____ Date: 3-4-25

Approved Driveway Access Permit

Morgan County, Colorado

Driveway Access Code:	**DRV19-0.742-W-Y**				**Date:**	**3-4-25**	
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Address:							
City:	**Fort Morgan**		**State:**	**CO**	**Zip Code:**	**80701**	
Phone:	[redacted]	**Email:**	[redacted]				
Agent of Property Owner (If Applicable)							
Name:	**THEngineering, LLC**						
Address:	**P.O. Box 337748**						
Address:							
City:	**Greeley**		**State:**	**CO**	**Zip Code:**	**80633**	
Phone:	[redacted]	**Email:**	[redacted]				
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Legal Description:	**S:32 T:5 R:57 NW ¼ & W ½ NE ¼ West of the 6th PM**						
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Application for Driveway Access Permit
Morgan County, Colorado

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Determination: X Approved ____ Denied *(Reason for Denial)*: ____

GPS Coordinates, Centerline of Driveway in relation to road: Latitude: 40.362652

Maximum Width of Driveway: 40 Feet Longitude: -103.785715

Culvert Required: YES / NO *If Yes, Size:* ____

Closest Intersecting Road Y Measurement from Closest Intersecting Road 4981 Feet

Driveway Access Code: DRV19-0.943-E-Y

Completed By: [signature] Date: 3-4-25

Approved Driveway Access Permit

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   - ***The proposed area for the new driveway must be clearly marked with flagged stakes on each side of the proposed area.*** *Please have the location marked as indicated prior to submitting application.*

6. Initial the bottom of page two (2) in the provided location indicating that you have read and understand the terms and conditions.

7. Signature Section must be signed and dated by the property owner or agent. *Applications will not be processed until they are fully completed, initialed, signed and submitted, along with any additional required documents.*

8. Submittal of Application: Please submit application and all corresponding paperwork to:
   By mail or in person: Morgan County Road and Bridge Department
   P.O. Box 516
   17303 County Road S
   Fort Morgan, CO 80701
   By Email to: rbmorganc@co.morgan.co.us

PDF processed with CutePDF evaluation edition www.CutePDF.com

Application for Driveway Access Permit

Morgan County, Colorado

Terms and Conditions

1. The granting of this permit application is for one (1) property access across the county right of way onto a county road. The access must not exceed the approved width defined on the approved permit. Additional accesses crossing the right of way must be applied for separately.
2. If this access is to be onto an access/travelling easement, then a copy of the easement, recorded plat or use agreement must accompany this application.
3. The granting of a driveway access permit by Morgan County is only for the purpose of crossing the right of way under the counties jurisdiction. It is the permittee's responsibility to identify and obtain permissions to cross any other easements, covenants, right of ways or private agreements that may exist.
4. If the access request is onto any Federal or State lands, you must provide the names and contact information for the relevant agencies and attach a copy of the authorization for the property use.
5. All property owners/agents are responsible for any damages that may occur to the county road or right of way during installation of said driveway.
6. The construction and all costs associated with the construction of the driveway are the responsibility of the property owner/agent. The construction cannot exceed the defined width and must include any specified culverts required as defined in the approved permit. Culverts may be purchased from anywhere, however they must be approved by the county prior to installation. Culverts may also be purchased from Morgan County Road and Bridge.
7. If a culvert is required, it is for use by Morgan County to protect the road and right of way. Morgan County retains the right to utilize the culvert in any way it deems necessary.
8. If a culvert is not required at the time of permit issuance, however, in the future a culvert is deemed necessary, the cost of said culvert may be at the property owner's expense.
9. Inside the county right of way, the driveway may only consist of the travelling surface to access the property. No other structures or appurtenances may be placed in the right of way *(examples: columns, walls, fencing, large rocks, etc.)*. The only exception to this requirement is mailboxes.
10. During the construction of an approved driveway, it is the responsibility of the property owner/agent and/or their contractor to insure safety to the travelling public. This could include the use of signs, cones and/or traffic control as necessary.
11. All repairs, maintenance and costs associated with said driveway are the responsibility of the property owner/agent.
12. Morgan County is not responsible for any damages to the driveway caused by normal maintenance operations, including but not limited to mowing, grading, and snowplowing.
13. The property owner/agent agrees to hold harmless, indemnify, and defend Morgan County from any claim of any person arising from the installation, use, maintenance, or removal of the driveway in the county right of way.
14. The terms, conditions and requirements defined in this application and subsequent approved permit will remain valid through any future sales, transfer of ownership or assignments of the property defined in this driveway application.

KC *Please initial that you have read and understand the terms and conditions outlined on this page.*

Application for Driveway Access Permit

Morgan County, Colorado

1. **Property Owner** *(Permittee)*:
   Name: CK2 Cattle Company, LLC
   Address: 22251 County Road 23
   City/State/Zip Code: Fort Morgan, CO 80701
   Phone [redacted] Email: [redacted]
2. **Agent of Property Owner** *(If Applicable)*
   Company/Individual Name THEngineering, LLC
   Contact Name *(If Applicable)* Erin Kress
   Address: PO Box 337748
   City/State/Zip Code: Greeley, CO 80633
   Phone [redacted] Email: [redacted]
3. **Legal Description:**
   Parts of Sections 30, 31, 32 Township 5N, Range 57W

   Parcel Number: 097732000002
4. **Road Access:**
   Access onto County Road 19 *(Circle Direction)* North /~~South~~/~~East~~/~~West~~ of County Road Y
5. **Driveway Type:** *(Check One)* **New Driveway X Existing Driveway _____
   Desired width of New Driveway 30 Feet.
   ****If this is a new driveway location, please place flagged stake marker on each side of the requested driveway location.**

I have read the instructions, terms and conditions outlined in this Driveway Access Permit Application, and agree to all terms and conditions outlined therein, furthermore, I understand no liability is assumed by the County of Morgan, Colorado or its agents by issuance of a permit for this application and all costs, present and future, associated with the access provided by an Approved Driveway Access Permit are the responsibility of the property owner/agent and or any future assignees. The applicant declares the information provided are true and complete to the best of their knowledge.

Kirk C. — *Property Owner/Agent Signature*

01/29/2025 — *Date*

Submit Completed Application and All Supporting Documents to:
Morgan County Road and Bridge Department
P.O. Box 516
17303 County Road 5
Fort Morgan, CO 80701
Or by Email to: rdmorgan@co.morgan.co.us
Phone: (970) 542-3560 Fax: (970) 542-3569

For Office Use only below this line

Determination: X Approved ____ Denied *(Reason for Denial)*: _____

GPS Coordinates, Centerline of Driveway in relation to road: Latitude: 40.363310

Maximum Width of Driveway: 40 Feet Longitude: -103.785790

Culvert Required: YES / (NO) If Yes, Size: _____

Closest Intersecting Road Y Measurement from Closest Intersecting Road 5217 Feet

Driveway Access Code: DRV19-01.988-W-Y

Completed By: _____ Date: 3-4-25

VICINITY MAP
VICINITY MAP
SUP-1
Greeley, CO
CK2 CATTLE
SPECIAL USE PERMIT
PART SE ¼ SEC 30, E ½ OF NE ¼ SEC 31, NW ¼ & W ½ OF NE ¼ OF SEC 32, T 5N, R 57W, OF THE 6TH P.M., MORGAN COUNTY COLORADO

Approved Driveway Access Permit

Morgan County, Colorado

Driveway Access Code:	**DRV19-0.988-W-Y**				**Date:**	**3-4-25**	
Property Owner (Permittee):							
Name:	**CK2 Cattle Company, LLC**						
Address:	**22251 County Road 23**						
Address:							
City:	**Fort Morgan**		**State:**	**CO**	**Zip Code:**	**80701**	
Phone:	[redacted]	**Email:**	[redacted]				
Agent of Property Owner (If Applicable)							
Name:	**THEngineering, LLC**						
Address:	**P.O. Box 337748**						
Address:							
City:	**Greeley**		**State:**	**CO**	**Zip Code:**	**80633**	
Phone:	[redacted]	**Email:**	[redacted]				
Parcel Number:	**097732000002**						
Legal Description:	**S:32 T:5 R:57 NW ¼ & W ½ NE ¼ West of the 6th PM**						
GPS Coordinates at the Centerline of Driveway:					**Latitude:**	**40.363310**	
					Longitude:	**-103.785790**	
Access onto County Road:	**MCR 19**						
Driveway Type:	**X**	**New**		**Existing**			
Maximum Width of Approved Driveway is:				**40 FEET**			
Culvert Required:	**X**	**No**		**Yes**	***If Yes, Required Size is:***		**Inch**

If a culvert is not required at the time of permit issuance but future conditions deem one necessary, the cost of said culvert may be at the property owner's expense.

The above identified driveway has been approved by Morgan County Road and Bridge Department pursuant to all terms and conditions outlined in the Application for Driveway Access Permit are adhered to. Failure to comply with these term and conditions may result in this permit being revoked and/or the driveway being removed at permittee's expense. This permit is valid only for the one driveway access identified above. Construction of said driveway may proceed.

Morgan County, Colorado
Public Works Department

James Rehn *Authorized Morgan County Agent Signature* Date

Erin Kress [redacted]

Special Use Permit Application

Erin Kress [redacted] Fri, Feb 7, 2025 at 12:06 PM
To: [redacted]

Hello,
THEngineering, LLC is in the process of submitting a special use permit application to the Morgan County Planning and Zoning Department for CK2. This permit application covers the facility for an animal number increase to 25,000 Animal Units.

As part of the application process, we are required to notify any irrigation companies that are next to the subject property.

Thanks!
Erin

--
Erin Kress
THEngineering, LLC
PO Box 337748
Greeley, CO 80633
[redacted]
719-362-4768 fax
[redacted]
www.thengineeringonline.com

CONSULTANTS

Harris Engineering, Inc.

HDR

HARRIS
ENGINEERING
CONSULTANTS, INC.

19176 County Road 21.5
Fort Morgan, CO 80701
(970) 867-4971 | Office

July 08, 2025

Ms. Nicole Hay
Morgan County Planning & Zoning Department
231 Ensign Street
Fort Morgan, CO 80701

Re: Proposed Facility Expansion – Potential Floodplain Implications
CK2 CAFO

I have reviewed the documentation that you provided for the proposed expansion of the Concentrated Animal Feeding Operation (CAFO) located northeast of Fort Morgan, operated by CK2 Cattle Company, including the *Design Report* submitted with the *Special Use Permit Application* [SUPA] and associated preliminary site plan.

The CAFO is positioned west of and adjacent to Wildcat Creek, which is mapped with a Zone A Special Flood Hazard Area (SFHA) on FIRM panel no. 08087C0450D, effective date 4/4/2018. A portion of the facility, including several existing structures (corrals, shed, pump station and collection basin), appears to be within the SFHA delineated on the FIRM.

Concerning existing structures within the floodplain, those would need to be permitted if there were any proposed modifications to those structures. Substantial improvements to existing structures within the floodplain require that those structures comply with current floodplain management standards. A substantial improvement is defined as modifications costing 50% or more of the appraised value of the structure being modified, repaired or improved. Based on my review of the *Design Report* and the site plan, there appears to be no proposed improvements to the existing structures within the SFHA.

Regarding the new east runoff storage pond and diversion berm, located in the SE corner of the facility, the site plan places it immediately adjacent to the mapped SFHA boundary. Inasmuch as there is a higher degree of uncertainty associated in the delineation of a Zone A SFHA boundary – as there has been no detailed hydrologic or hydraulic study to quantify the base flood elevation (BFE) – it would be within the County's purview to request that the BFEs along a limited reach of Wildcat Creek be determined to verify that the proposed pond is not at risk of inundation by the 100-year flood event. Due to the sensitive nature of the impoundment, the top of the pond and diversion berm should be at least 2 feet above the BFE. Any portion of the berm that is found to be within the SFHA should be sufficiently protected to prevent failure occurring as a result of erosion during the 100-year flood event.

Please feel free to contact me with any questions or concerns, or if I may provide further assistance.

Sincerely,

Matthew C. Harris, PE
CO PE #49409

June 30, 2025

Nicole Hay, Planning Administrator
Morgan County Planning and Zoning Development Department
231 Ensign Street
Fort Morgan, CO 80701

RE: Recommendations for CK2 CAFO Turn Lanes

Nicole – Please see below for our recommendations related to turn lanes at the MCR Y & MCR 19 intersection.

Introduction and Background:
Morgan County has received a development proposal for a new Concentrated Animal Feeding Operation (CAFO) facility north of the city of Fort Morgan. This facility would be located on MCR 19, north of MCR Y. As part of the County's application requirements, CK2 gathered traffic counts and provided an estimate of traffic distribution to/from the facility. The County is seeking guidance from HDR on whether turn lanes should be required at the MCR Y & MCR 19 intersection to accommodate the anticipated traffic. This memorandum summarizes HDR's interpretation of this data and pertinent sight conditions and HDR's recommended options for accommodating traffic into and out of the facility.

Traffic Volumes
The traffic counts that were provided by CK2 were gathered for a full seven days in mid-February 2025. These hourly counts were gathered along each of the three legs of the MCR Y & MCR 19 intersection, as well as along the current access road from MCR 19 to the site. Review of these traffic counts reveals that the peak hours of traffic along each of these county roads are generally in mid-afternoon with a peak-hour traffic flow fewer than 40 vehicles.

CK2 reviewed the proposed operations and provided an estimate of the amount of traffic that the facility would add to the existing traffic described above. It is estimated that the facility will add 32 trucks/day and 10 cars/day. Traffic analyses typically estimate that peak hour traffic volumes are approximately 10 percent of daily traffic volumes, which would yield fewer than 5 vehicles in the peak hour.

Given these existing traffic counts and projected traffic volumes, the total traffic volumes from existing conditions and projected site traffic would not meet typical thresholds for requiring turn lanes at an intersection.

Safety

It is important to assess the safety aspects of the existing intersection and how added traffic volumes may affect intersection safety. Sight distance is a critical component of intersection safety as sight distance provides motorists with the information that they need to assess when to enter or cross the intersecting road and when to stop to avoid a collision. Departure sight distance is the distance that is required for a motorist to determine when he/she can turn onto a road and attain the design speed ahead of an approaching vehicle, while stopping sight distance is the distance that is required for a driver to perceive an obstacle in the road and come to a complete stop prior to a collision.

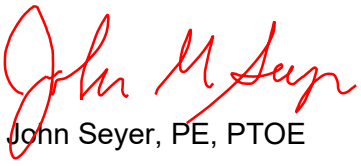
From the MCR Y & MCR 19 intersection, sight distance is considered to be adequate to the north and to the east. However, County officials measured the sight distance from the intersection to the crest of a hill along MCR Y to the west of the intersection and found that sight distance to the west is roughly 450'. The speed limit along MCR Y is 55 mph. Per the *AASHTO Green Book*, this posted speed would require at least 495' of stopping sight distance from eastbound traffic approaching a left turning vehicle at the intersection and 930' of departure sight distance for southbound left turns entering eastbound MCR Y. The notable downgrade of eastbound MCR Y was estimated at 7%, which would increase the stopping sight distance to 565'. As a result, strict application of these design standards would require the installation of a left-turn deceleration lane and a left-turn acceleration lane. This deceleration lane would be 600' in length with an 18.5:1 taper to create the lane and the acceleration lane would be 960' in length with the same taper.

However, the *AASHTO Guidelines for Geometric Design of Low-Volume Roads* suggests otherwise. This design guide references studies that were performed by the National Cooperative Highway Research Program (NCHRP) on low-volume roads, which are defined as roads that carry fewer than 400 vehicles per day. *NCHRP 400: Determination of Stopping Sight Distances* found that, "(T)here was no indication that lengthening the sight distance of a crest vertical cure has any demonstrable effect on reducing the number of collisions." Further, the study concluded, "Because sight distance improvements are unlikely to be cost effective under most circumstances, the existing sight distance on a low-volume road may be allowed to remain in place unless there is evidence of a site-specific crash pattern attributable to inadequate sight distance."

Recommendations

Given the low volumes along MCR Y and at the MCR Y & MCR 19 intersection and the lack of crash history here, it is recommended that the County not require the applicant to install a deceleration lane or an acceleration lane at this intersection. It is further recommended that the County monitor traffic operations and safety conditions at this intersection after the opening of the CK2 CAFO facility to ensure that the roads and the intersection are functioning without safety concerns.

Respectfully,



John Seyer, PE, PTOE

LANDOWNER LETTERS, REFERRALS & RESPONSES

Landowner Letters Sent & Responses Received

Referrals Sent & Responses Received

Notification

Sign Posting Pictures & Affidavit

MORGAN COUNTY
PLANNING AND ZONING DEPARTMENT

July 16, 2025

Dear Neighboring Landowners:

THEngineering, LLC as applicant and CK2 Cattle Company, LLC and Riverside Irrigation District as landowners, have submitted an application to our office for a Use by Special Review Permit to expand an existing animal feeding operation into a new dairy heifer grower CAFO proposed to house 25,850 animal units.

Legal Description: A part of Sections 30, 31, and 32, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado aka 24592 County Road 19, Fort Morgan, CO 80701.

This application is scheduled to be heard by the Board of County Commissioners on **Tuesday, August 5, 2025 at 9:00 A.M.** in the Assembly Room of the Morgan County Administration Building, 231 Ensign St., (Basement Level) Fort Morgan, Colorado. Landowners within 1,320 feet of the subject property are notified of the application and hearing date.

Documents pertaining to the above identified matters are on file in the Planning Administrator's Office located at 231 Ensign St., Fort Morgan, Colorado. If you have any questions pertaining to this application or if you would like to review the file, either contact us at (970) 542-3526 or stop by our office prior to the hearing. You may attend the public hearing and provide comments on the application, or alternatively, if you are not able to attend you may submit written comments to our office no later than **July 29, 2025.**

Sincerely,
Nicole Hay
Nicole Hay
Planning Administrator

For special assistance for the mentioned hearing, please notify us at least 48 hours before the scheduled agenda item. Please call (970) 542-3526 to request any ADA accommodations

CK2 CATTLE COMPANY LLC

22251 CO RD 23
FORT MORGAN, CO 80701

LONGACRE RANCH RLLP

20531 CO RD Y
FORT MORGAN, CO 80701

RIVERSIDE IRRIGATION DISTRICT

221 E KIOWA AVE
FORT MORGAN, CO 80701

LAWS RANCH & CATTLE COMPANY LLC

19444 CO RD 19.5
FORT MORGAN, CO 80701

MORGAN COUNTY
PLANNING AND ZONING DEPARTMENT

TO REFERRAL AGENCIES:

CDPHE
Century Link
Colorado Department of Natural Resources
Colorado Parks and Wildlife
Colorado State Land Board
Farm Service Agency-Morgan County
Fort Morgan Fire Department
Kinder Morgan, Inc.
Morgan County Assessor
Morgan County Communications Center
Morgan County Emergency Management
Morgan Conservation District
Morgan County Quality Water
Morgan County Road and Bridge
Morgan County Rural Electric Association
Morgan County Sheriff Department
Morgan County Weed & Pest Advisory Board
Northeast Colorado Health Department
Northeast Colorado Water Conservancy
Riverside Irrigation
Xcel Energy

FROM: Cheryl Brindisi, Morgan County Planning & Zoning Administrative Assistant
231 Ensign St, PO Box 596, Fort Morgan, CO 80701
970-542-3526 / 970-542-3509 fax / cbrindisi@co.morgan.co.us
DATE: June 17, 2025
RE: Land Use Application–Special Use Permit

The following Special Use Permit application is submitted to you for review and comments. The application is scheduled to be heard by the Planning Commission on **Monday, July 14, 2025 at 6:00 P.M.** in the Assembly Room of the Morgan County Administrative Building, 231 Ensign Street, Fort Morgan, CO 80701 (Basement level; use elevator entrance in SW corner). **You are encouraged to provide comments to this application by July 1, 2025.** Failure to comment will be viewed as a favorable review. Please contact the Planning and Zoning Department if you would like to attend these public meetings.

Applicant: THEngineering, LLC
Landowner: CK2 Cattle Company, LLC and Riverside Irrigation District
Legal Description: A part of Sections 30, 31, and 32, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado aka 24592 County Road 19, Fort Morgan, CO 80701.
Request: A Use by Special Review Permit to expand an existing animal feeding operation into a new dairy heifer grower CAFO proposed to house 25,850 animal units.

Sincerely,

Cheryl Brindisi,

Cheryl Brindisi
Morgan County Planning & Zoning Administrative Assistant

REFERRAL AGENCIES	RESPONSES RECEIVED
CDPHE	
Century Link	
Colorado Department of Natural Resources	
Colorado Parks and Wildlife	
Colorado State Land Board	
Farm Service Agency – Morgan County	
Fort Morgan Fire Department	
Kinder Morgan, Inc.	
Morgan Conservation District	
Morgan County Assessor	
Morgan County Communications Center	
Morgan County Emergency Mgmt.	
Morgan County Quality Water	
Morgan County Road & Bridge	See attached emails from 07/09/2025 & 07/24/2025
Morgan County Rural Electric Assoc.	
Morgan County Sheriff Dept.	
Morgan County Weed & Pest Advisory	
Northeast Colorado Health Dept.	
Northeast Colorado Water Conservancy	
Riverside Irrigation	
Xcel Energy	See attached letter

Gmail

Nicole Hay <nhay@co.morgan.co.us>

CK2 Intersection widening comments

Bruce Bass <bbass@co.morgan.co.us> Thu, Jul 24, 2025 at 4:13 PM
To: Nicole Hay <nhay@co.morgan.co.us>

Nicole,

Morgan County Road & Bridge has made a site visit to the intersection of County Road 19 and County Road Y and our findings are as follows: It appears that County Road 19 roadway is running closer to the east right-of-way line. As such it looks like there is room on the west side of the road to widen the roadway at the intersection and corresponding turn radius to County Road Y and still remain in the right-of-way. The road could then be tapered back down to the 24 foot width as it moves north. The construction of the widening would require fill and subgrade prep to bring the west side borrow ditch up to the road grade. Room would need to be left along the west side of the road for the water drainage coming down the north borrow ditch of County Road Y to circle around the corner on County Road 19 and then continue down the hill on County Road 19 as it currently does. It also needs to be noted that the existing County Road 19 intersection and corresponding turn radius onto County Road Y was asphalted when County completed the asphalt paving on County Road Y. Should the road be widened at the intersection, Road & Bridge would like to see the widened portion and turning radius asphalted as well to match the existing asphalt.

Please note that this is based on a visual assessment and a survey would be required to verify the information on the right-of-way location.

Morgan County Road and Bridge is in favor of the widening of the intersection and believes this could have an impact on westbound trucks not having to cross the centerline on Road Y to make right turns onto Road 19 as well as trucks turning westbound off of Road 19 onto Road Y making the conditions safer at this location.

Respectfully,

Bruce Bass
Public Works Director
Morgan County Government
970-542-3560

Gmail

Nicole Hay <nhay@co.morgan.co.us>

CK2 Public works recommendation

Bruce Bass <bbass@co.morgan.co.us> Wed, Jul 9, 2025 at 3:16 PM
To: Nicole Hay <nhay@co.morgan.co.us>, Kathryn Sellars <kms@hpwclaw.com>

Nicole

Morgan County Public Works would recommend a speed reduction from 55 mph to 45 mph for both east and west bound traffic on County Road Y prior to the intersection with County Road 19. The speed reduction would occur approximately 1,500 feet prior to the intersection for both directions of travel. Once past the intersection of County Road 19 for both directions of travel, the speed limit would then have to be posted to return the speed limit back to 55 mph.

Respectfully,

Bruce Bass
Public Works Director
Morgan County Government
970-542-3560

Right of Way & Permits

1123 West 3rd Avenue
Denver, Colorado 80223
Telephone: [redacted]

June 25, 2025

Morgan County Planning and Building Department
231 Ensign / PO Box 596
Fort Morgan, CO 80701

Attn: Cheryl Brindisi, Nicole Hay, Jenafer Santos

Re: CK2 Cattle Company, LLC

Public Service Company of Colorado's (PSCo) Right of Way & Permits Referral Desk has reviewed the plans for **CK2 Cattle Company, LLC** and currently has **no apparent conflict**.

As a safety precaution, PSCo would like to remind the developer to call the Utility Notification Center by dialing 811 for utility locates prior to construction.

Violeta Ciocanu (Chokanu)
Right of Way and Permits
Public Service Company of Colorado dba Xcel Energy
Office: [redacted] – Email: [redacted]

NOTICE OF PUBLIC HEARING
MORGAN COUNTY BOARD OF COMMISSIONERS
TUESDAY, AUGUST 5, 2025 AT 9:00 A.M.
VIRTUAL AND IN PERSON IN THE ASSEMBLY ROOM, MORGAN COUNTY ADMINISTRATIVE BUILDING, 231 ENSIGN, FORT MORGAN, COLORADO

Notice is hereby given that on the date and time above (or as soon as possible following the scheduled time) and at the location above, or at such time and place as this hearing may be adjourned, the Morgan County Board of Commissioners will conduct public hearings on the following proposed **Land Use Applications:**

1.) **Applicant and Landowners:** Gregory and Regina Dardanes
Legal Description: Lot 7 except the South 25' of Lot 7, Church Sub of Munns Addition in the SE¼ of Section 34, Township 4 North, Range 56 West of the 6th P.M., Morgan County, Colorado. Also known as 968 North Custer Street, Brush, CO 80723.
Request: Use by Special Review for the future development of a storage facility, to include Conex boxes, storage trailers, and areas for covered parking.
Date of Application: June 6, 2025

2.) **Applicant:** THEngineering
Landowners: CK2 Cattle Company and Riverside Irrigation District
Legal Description: A part of Sections 30, 31, and 32, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado aka 24592 County Road 19, Fort Morgan, CO 80701.
Request: Use by Special Review Permit to expand an existing animal feeding operation into a new dairy heifer grower CAFO proposed to house 25,850 animal units.
Date of Application: June 11, 2025

THE COUNTY WILL CONTINUE TO OFFER THE OPTION TO ATTEND MEETINGS REMOTELY. IF YOU HAVE ANY QUESTIONS REGARDING ATTENDING THE MEETING, PLEASE CONTACT THE PLANNING OFFICES AT 970-542-3526.

To participate remotely you may connect via Zoom at:
https://us02web.zoom.us/j/89478220888
Join via audio:
+1 719 359 4580 US
Webinar ID: 894 7822 0888

Documents pertaining to the above identified matters are on file in the Planning Administrator's Office, 231 Ensign St., Fort Morgan, Colorado. Twenty-four hours prior to the meeting, the Board of County Commissioners meeting packet is available here: morgancounty.colorado.gov

At time of the meeting an opportunity will be given for presentation of evidence in support of or in opposition to the application.

Nicole Hay
Nicole Hay
Morgan County Planning Administrator

Posted to website: July 25, 2025

For special assistance for the mentioned hearing, please notify us at least 48 hours before the scheduled agenda item. Please call (970) 542-3526 to request any ADA accommodations.

The above sign was posted on (date) July 18th 2025, pursuant to the Morgan County Zoning Resolution by (name of applicant) Cari Vondy.

Project name and number: SU2025-0002

Signature of Applicant/Representative: Cari Vondy

STATE OF COLORADO)
) ss.
COUNTY OF MORGAN)

LILIANA LOPEZ LOPEZ
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20244009382
MY COMMISSION EXPIRES 03/05/2028

Signed before me this date: July 21, 2025

My Commission expires: 03/05/2028

NOTARIZED BY: Liliana Lopez Lopez

NOTICE OF PUBLIC HEARING ON LAND USE APPLICATION
BEFORE THE BOARD OF COUNTY COMMISSIONERS
Applicant: THEngineering, LLC
Landowners: CK2 Cattle Company, LLC
and Riverside Irrigation District.
Reason: Use by Special Review to expand an existing
animal feeding operation into a new CAFO proposed
to house 25,850 animal units.
Location of Hearing: 231 Ensign St., Fort Morgan, CO 80701
Date of Hearing: Tuesday, August 5th, 2025 at 9:00 A.M.

NOTICE OF PUBLIC HEARING ON LAND USE APPLICATION
BEFORE THE BOARD OF COUNTY COMMISSIONERS
Applicant: THEngineering, LLC
Landowners: CK2 Cattle Company, LLC
and Riverside Irrigation District.
Reason: Use by Special Review to expand an existing
animal feeding operation into a new CAFO proposed
to house 25,850 animal units.
Location of Hearing: 231 Ensign St., Fort Morgan, CO 80701
Date of Hearing: Tuesday, August 5th, 2025 at 9:00 A.M.

NOTICE OF PUBLIC HEARING ON LAND USE APPLICATION
BEFORE THE BOARD OF COUNTY COMMISSIONERS
Applicant: THEngineering, LLC
Landowners: CK2 Cattle Company, LLC
and Riverside Irrigation District.
Reason: Use by Special Review to expand an existing
animal feeding operation into a new CAFO proposed
to house 25,850 animal units.
Location of Hearing: 231 Ensign St., Fort Morgan, CO 80701
Date of Hearing: Tuesday, August 5th, 2025 at 9:00 A.M.

NOTICE OF PUBLIC HEARING ON LAND USE APPLICATION
BEFORE THE BOARD OF COUNTY COMMISSIONERS
Applicant: THEngineering, LLC
Landowners: CK2 Cattle Company, LLC
and Riverside Irrigation District.
Reason: Use by Special Review to expand an existing
animal feeding operation into a new CAFO proposed
to house 25,850 animal units.
Location of Hearing: 231 Ensign St., Fort Morgan, CO 80701
Date of Hearing: Tuesday, August 5th, 2025 at 9:00 A.M.

Vesting Application

MORGAN COUNTY
PLANNING, ZONING & BUILDING DEPT.
231 Ensign, P.O. Box 596
Fort Morgan, Colorado 80701
PHONE (970) 542-3526 FAX (970) 542-3509
E-mail: permits_licensing@co.morgan.co.us

Filing Deadline: _____

Meeting Date: _____

APPLICATION FOR VESTING OF RIGHTS

APPLICANT

Name THEngineering

Address PO Box 337748

Phone [redacted]

Email [redacted]

LANDOWNER

Name CK2 Cattle Company/Riverside Irrigation District

Address 22251 CR 23/221 E Kiowa Ave
Fort Morgan, CO 80701

Phone [redacted]

Email [redacted]

TECHINICAL INFORMATION

Address of property or general location Sections 30,31,32 T5N R57W Zone District A

Size of property (Sq Ft. or Acres) 1,168.2 Present Use of Property Small feedyard/pasture

Proposed Use of Property Expansion of existing feedyard

Complete Property Legal Description or Parcel #. If necessary, attach to application. (Legal Info.)

Legal: Subdivision: _____ Lot: ___ S ___ T ___ R ___ ¼ ___ ¼ ___ ¼

Parcel #: SEE NEXT PAGE

Is property located within 1320 feet (¼ mile) of a livestock confinement facility? N/A. Facility is a livestock confinement facility

APPLICANT'S STATEMENT

I certify that the information and exhibits herewith submitted are true and correct to the best of my knowledge. This application must be signed by Landowner as indicated on Title Opinion Report.

Applicant Signature _____ Date _____

Landowner Signature Kirk Cu Date 3-24-2025

Applicant Signature [signature] Date 3/21/25

Landowner Signature [signature] Date 3/21/25

OFFICE USE ONLY. Date Received 05.14.25 Received By CB CC 283363

Fee Payment $200.00 Fee Paid By CB

Other Permits Required SU2025-0002

Comments _____

VS permit - VES2025-0001

Exhibit 2

Parcel Number: 097732000002

Acres: 240

Parcel Number: 097731000001

Acres: 316

Parcel Number: 097730000001

Acres: 612.2

MORGAN COUNTY RIGHT TO FARM POLICY

Morgan County is one of the most productive agricultural counties in Colorado. Ranching, farming, animal feeding, and all agricultural activities and operations in Morgan County are integral and necessary elements of the continued vitality of the County's economy, culture, landscape, and lifestyle. Over 70% of the County's acreage is devoted to farming and raising livestock with over 700 farms. The agricultural products produced by those farms create millions of dollars of market value. Morgan County recognizes the importance of agricultural operations as necessary and worthy of recognition and protection and supports policies to maintain the high-quality rural character of the County.

Living in Morgan County requires residents to accept the effects of agriculture and rural living as part of daily life. Agricultural users of the land are not expected to change their long-established agricultural practices to accommodate the intrusions of residential activities into a rural area. These effects may include noise from tractors, equipment, and aerial spraying at any time; dust from animal pens, field work, harvesting, and use of gravel roads; odor from confinement animal feeding operations, silage and manure; smoke from ditch burning; flies and mosquitoes; the use of pesticides and fertilizers; and movement of livestock or machinery on public roads. Under Colorado law, these activities are not considered nuisances and are protected.

Residents must also accept that public services in rural areas are different than urban or suburban areas. Specifically, regular road maintenance may be less available and may be at a lower level. In certain circumstances, the standard for maintenance may be determined on whether the road is passable and usable and not whether the road surface is rough. County gravel roads, no matter how often they are maintained, will not provide the same kind of surface expected from a paved road and will not support travel at the recommended speed. Further, the County may permit certain road maintenance activities by agricultural producers or other industries to allow those commercial activities to continue when County resources are unavailable due to other road issues or events. The County considers these activities to be integral to the protection of agricultural operations in Morgan County.

In addition, in Morgan County, utility services may be nonexistent or subject to interruption; law enforcement, fire protection and ambulance service will have considerably longer response times; and snow may not be removed from County roads for several days after a major snowstorm. The County prioritizes snow removal as it deems necessary.

People are exposed to different hazards in a rural setting than they are in an urban or suburban area. Farms, ponds, irrigation ditches, electrical service to pumps and oil field equipment and operations, noxious weeds, livestock, and territorial animals may present real threats to people. It is necessary that all activities are supervised for both the protection of the people and protection of agricultural activities and owners may need to fence property to ensure a safe environment.

All County residents are encouraged to learn about their rights and responsibilities and to act as good neighbors and citizens of Morgan County. This includes but is not limited to obligations under Colorado State law, including but not limited to, the Colorado Fence and Right to Farm laws, and Morgan County Zoning Regulations regarding maintenance of fences, controlling weeds, and keeping animals under control. Residents are responsible for understanding and accepting the implications of living in a rural agricultural area.

Information regarding these topics may be obtained from the Morgan County Extension Office and Planning and Zoning Department.

RECEIPT AND STATEMENT OF UNDERSTANDING

I hereby certify that I have read and understood the Morgan County Right to Farm Policy. I further state that I am aware and acknowledge that the conditions of living in a rural area, primarily used for agricultural production, and that I understand these activities are protected under Colorado law and are not considered a nuisance.

Signature — Date: 6/11/25

DON CHAPMAN — RIVERSIDE IRRIGATION DISTRICT
Printed Name

221 E KIOWA AVE
Address

Signature — Date

Printed Name

Address

Adopted by the Morgan County Board of County Commissioners by Resolution 2025 BCC 21

MORGAN COUNTY RIGHT TO FARM POLICY

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Kirk Crone	06/11/2025		
Signature	Date	Signature	Date
Kirk Crone			
Printed Name		Printed Name	
18620 County Rd V, Fort Morgan, CO 80701			
Address		Address	

Adopted by the Morgan County Board of County Commissioners by Resolution 2025 BCC 21

STATEMENT OF AUTHORITY

1. This Statement of Authority relates to an entity[1] named THEngineering, Inc, and is executed on behalf of the entity pursuant to the provisions of Section 38-30-172, C.R.S.

2. The type of entity is a:

☐ trust	☐ registered limited liability partnership
☐ nonprofit corporation	☐ registered limited liability limited partnership
☐ limited liability company	☐ limited partnership association
☐ general partnership	☐ government or governmental subdivision or agency
☐ limited partnership	☒ corporation
☐ _____	

3. The entity is formed under the laws of Colorado

4. The mailing address for the entity is 20997 County Road 90, Calhan, CO 80808

5. The ☒ name ☒ position of each person authorized to execute instruments conveying, encumbering, or otherwise affecting title to real property on behalf of the entity is Travis E Hertneky.

6.[2] The authority of the foregoing person (s) to bind the entity is ☒ not limited ☐ limited as follows: _____.

7. Other matters concerning the manner in which the entity deals with interests in real property:

Executed this 20th day of March 2025.

Signature

Signature

STATE OF COLORADO
COUNTY OF Weld } SS:

The foregoing instrument was acknowledged before me this 20th day of March, 2025, by Travis Hertneky.

Witness my hand and official seal.

Erin Pease Kress
Notary Public

My commission expires: 01/19/2029

[1]This form should not be used unless the entity is capable of holding title to real property.
[2]The absence of any limitation shall be prima facie evidence that no such limitation exists.
[3]The statement of authority must be recorded to obtain the benefits of the statute.

ERIN PEASE KRESS
NOTARY PUBLIC
State of Colorado
Notary ID # 20214002197
My Commission Expires 01/19/2029

STATEMENT OF AUTHORITY

1. This Statement of Authority relates to an entity[1] named CK 2 Cattle Company, LLC, and is executed on behalf of the entity pursuant to the provisions of Section 38-30-172, C.R.S.

2. The type of entity is a:

☐ trust	☐ registered limited liability partnership
☐ nonprofit corporation	☐ registered limited liability limited partnership
☒ limited liability company	☐ limited partnership association
☐ general partnership	☐ government or governmental subdivision or agency
☐ limited partnership	☐ corporation
☐ _____	

3. The entity is formed under the laws of Colorado

4. The mailing address for the entity is 22251 County Road 23, Fort Morgan, CO 80701

5. The ☒ name ☐ position of each person authorized to execute instruments conveying, encumbering, or otherwise affecting title to real property on behalf of the entity is Kirk Crone.

6.[2] The authority of the foregoing person (s) to bind the entity is ☒ not limited ☐ limited as follows: _____.

7. Other matters concerning the manner in which the entity deals with interests in real property:

Executed this 24th day of March, 2025

Kirk Crone
Signature

Signature

STATE OF COLORADO
COUNTY OF Morgan } SS:

The foregoing instrument was acknowledged before me this 24th day of March, 2025, by Kirk Crone.

Witness my hand and official seal.

Erin Pease Kress
Notary Public

My commission expires: 01/19/2029

[1]This form should not be used unless the entity is capable of holding title to real property.
[2]The absence of any limitation shall be prima facie evidence that no such limitation exists.
[3]The statement of authority must be recorded to obtain the benefits of the statute.

ERIN PEASE KRESS
NOTARY PUBLIC
State of Colorado
Notary ID # 20214002197
My Commission Expires 01/19/2029

STATEMENT OF AUTHORITY

1. This Statement of Authority relates to an entity[1] named Riverside Irrigation District and is executed on behalf of the entity pursuant to the provisions of Section 38-30-172, C.R.S.

2. The type of entity is a:

☐ trust	☐ registered limited liability partnership
☐ nonprofit corporation	☐ registered limited liability limited partnership
☐ limited liability company	☐ limited partnership association
☐ general partnership	☒ government or governmental subdivision or agency
☐ limited partnership	☐ corporation
☐ _____	

3. The entity is formed under the laws of Colorado

4. The mailing address for the entity is 221 E Kiowa Ave, Fort Morgan, CO 80701

5. The ☒ name ☐ position of each person authorized to execute instruments conveying, encumbering, or otherwise affecting title to real property on behalf of the entity is Don Chapman.

6.[2] The authority of the foregoing person (s) to bind the entity is ☒ not limited ☐ limited as follows: _____

7. Other matters concerning the manner in which the entity deals with interests in real property:

Executed this 21st day of March, 2025.

Don Chapman
Signature

_____
Signature

STATE OF COLORADO
COUNTY OF Morgan } ss:

The foregoing instrument was acknowledged before me this 21 day of March, 2025, by Don Chapman.

Witness my hand and official seal.

Cynthia R. Lefever
Notary Public

My commission expires: June 26, 2028

[1]This form should not be used unless the entity is capable of holding title to real property.
[2]The absence of any limitation shall be prima facie evidence that no such limitation exists.
[3]The statement of authority must be recorded to obtain the benefits of the statute.

Cynthia R. Lefever
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID# 19874073343
MY COMMISSION EXPIRES JUNE 26, 2028

RECEIPT

Morgan County

31 Ensign, Fort Morgan, CO 80701

(970) 542-3526

VES2025-0001 | Vesting Application

Receipt Number: 545705

Payment Amount: **$200.00**

May 14, 2025

Transaction Method	*Payer*	*Cashier*	*Reference Number*
Credit Card	Erin Kress	Cheryl Brindisi	CC2833633

Comments

Assessed Fee Items

Fee items being paid by this payment

Assessed On	*Fee Item*	*Account Code*	*Assessed*	*Amount Paid*	*Balance Due*
05/14/25	Vested Rights -Full Review		$200.00	$200.00	$0.00
		Totals:	$200.00	$200.00	
				Previous Payments	$0.00
				Remaining Balance Due	$0.00

Application Info

Property Address	Property Owner	Property Owner Address	Valuation
24592 CO RD 19 FORT MORGAN, CO 80701	CK2 CATTLE COMPANY LLC	22251 CO RD 23 221 E Kiowa Ave FORT MORGAN, CO 80701	

Description of Work

Vesting Rights requested for a period of seven years in addition to the automatic three years for a total of 10 years. The goal of the project is to expand the existing feed yard to 25,000 animal units. The project will be completed in three phases. Phase I-Spring/ Summer 2025. Phase II-Summer 2025 to Summer 2027. Phase III-as early as Summer 2026 to 10 years.

Vesting of Rights

Attachments

Exhibit A:

Vesting of Rights requested for a period of seven years in addition to the automatic three years for a total of 10 years.

Exhibit B:

The goal of the project is to expand the existing feedyard to 25,000 animal units. The project will be completed in three phases as described below.

Exhibit C:

Phase I – Spring/Summer 2025
Phase II – Summer 2025 to Summer 2027
Phase III – as early as Summer 2026 to 10 years

Exhibit D:
Facility intends to complete the project within the automatic three years; however, would like to reserve the ability to extend the timeline for the project in case construction delays arise.

Exhibit E:
N/A

Exhibit F:
Attached

Exhibit G:
Paid

Exhibit H:
N/A

| BOARD OF COUNTY COMMISSIONERS 9:00 A.M. | AUGUST 5, 2025 | DARDANES SPECIAL USE

TABLE OF CONTENTS

- **File Summary**
- **Original Submittal**
  - Application
  - Right to Farm
- **Applicant Narrative**
- **Site Plan / Maps**
- **Proof of Ownership**
  - Current Title Insurance Commitment
- **Utilities/Access**
  - Wastewater
  - Electric
  - Driveway
- **Additional Application Information**
  - Drainage Narrative
  - Mineral Ownership
  - Statement of Taxes
- **Consultants**
  - Harris Engineering, Inc.
- **Landowner Letters, Referrals & Responses**
  - Landowner Letter sent
  - Landowner Responses prior to the Planning Commission hearing 07/14/2025
  - Referral Sent & Reponses Received
  - Notification
  - Sign Posting Pictures & Affidavit

MORGAN COUNTY
PLANNING AND ZONING DEPARTMENT

July 16, 2025

Gregory & Regina Dardanes
968 N. Custer Street
Brush, CO 80723
Sent via email: [redacted]

Dear Applicant/Landowner:

Your Application for a Use by Special Review has been received by our office and will go to review and decision by the Board of County Commissioners. The hearing for the Board of County Commissioners will be held on **Tuesday, August 5, 2025 at 9:00 A.M.**

As per Section 2-450 (B)(1) notification sign postings need to occur no later than 10 days prior to each hearing and photographs accompanied by an affidavit to our office no later than 5 days prior to each hearing. One sign facing each public right-of-way adjacent to the property is required. The county will provide (2) signs for each hearing for the corner of Cotton Street and N. Custer Street. One sign is to face north towards Cotton Street and the other facing east towards N. Custer Street. It is up to you to post them.

Board of County Commissioners sign notice dates: **Posted by July 25, 2025**
Pictures and Affidavit by July 30, 2025

The BCC sign will be ready to be picked up in our office on **July 18, 2025.**

It is necessary that the landowners be present at the hearing to answer any questions the Board of County Commissioners may have. If any of the landowners are unable to attend, a letter stating who will be representing them will be needed for each hearing. Do not hesitate to contact us at any time if you have questions.

Sincerely,

Nicole Hay
Nicole Hay
Planning Administrator

FILE SUMMARY

MORGAN COUNTY
PLANNING AND ZONING DEPARTMENT

MORGAN COUNTY BOARD OF COUNTY COMMISSIONERS
FILE SUMMARY
July 29, 2025
Hearing date – August 5, 2025

APPLICANT and LANDOWNER: Gregory and Regina Dardanes

This application is for a Special Use Permit to allow for the development of a storage facility to include conex boxes, storage trailers and covered parking. The permitted area is Lot 7, Church Subdivision of Munn's Addition to the City of Brush except the south 25 feet of said Lot 7 in a part of the SE¼ of Section 34, Township 4 North, Range 56 West of the 6th P.M., Morgan County, Colorado.

The property is zoned Rural Residential, is in the Brush Fire District, and is located in the Special Floodplain Hazard Area.

Included in your packets is a letter from Matt Harris with Harris Engineering Consultants, Inc. regarding anchoring and infiltration requirements based off of the submitted grading plan and drainage narrative.

Also included in your packets are several emails from concerned neighboring property owners that were received prior to the Planning Commission hearing.

Commercial storage facilities are not a designated use by right, conditional use, or special use under the Morgan County Zoning Regulations in the applicable district and therefore, require a special use permit pursuant to Sec. 2-435.

In reviewing this application, the Planning Commission and Board of County Commissioners are required to make a finding that the criteria for granting a Use by Special Review in Section 2-455 of the Morgan County Zoning Regulations has been met.

Section 2-455 Special Use Permit Criteria:

A. The use and its location as proposed are in conformance with the Morgan County Comprehensive Plan. Specifically:

   The property is located in the northeast planning area as defined by the Morgan County Comprehensive Plan. A County wide goal is to encourage development where it is in proximity to the activity centers.

   The property is surrounded by residential properties and is within a quarter mile of the City of Brush municipal boundary.

B. All the application documents are complete and present a clear picture of how uses are to be arranged on the site or within Morgan County.

The application satisfies this criteria.

C. The site plan conforms to the district design standards of these Regulations.

The site plan satisfies this criteria.

D. All on and off-site impacts have been satisfactorily mitigated either through agreement, public improvements, site plan requirements or other mitigation measures.

There is access to public infrastructure including access to Cotton Street. A drainage plan has also been submitted to ensure proposed improvements will not create drainage issues for the neighboring properties. This criteria is satisfied through the conditions outlined below.

E. The special use proposed has been made compatible with the surrounding uses and adequately buffered as determined by the County.

There is one residence located on the property and residences surround this property in all directions. The property to the north is zoned commercial, however the use on that property is residential. The entire surrounding area is being used as residential properties in accordance with RR and this proposed use is not compatible. The propose used is commercial in nature and not residential Buffering and other means to address this incompatibility are not presented by the applicant.

F. The special use poses only the minimum amount of risk to the public health, safety and welfare as set by either federal, state or county regulation, whichever is the strictest.

The proposed special use will not increase the risk to public health, safety or welfare.

G. The special use proposed is not planned to be developed on a non-conforming parcel.

The proposed special use would be located on a conforming lot.

H. The applicant has adequately documented a public need for the project, all pertinent technical information, adequate financial resources to implement it, and has paid all fees and review costs levied by the County for application processing and review.

The public need for this project was not addressed in the application.

I. For any special use requiring a supply of water for human consumption that the applicant has demonstrated a source of water which is adequate for the proposed use in terms of quantity, quality, and reliability. For any special use which does not require a supply of water for human consumption, an adequate source of water for the proposed use in terms of quantity and reliability must be obtained prior to commencement of the use.

The proposed special use does not require water.

Planning Commission Meeting

This application was considered by the Planning Commission in a public hearing on July 14, 2025.

Several neighboring property owners expressed their concerns regarding the proposed use and the possible increase in crime and traffic. The property upkeep and drainage were also concerns.

The Planning Commission motioned for recommended conditional approval as presented.

The motion was approved on a vote of 4 in favor, 2 opposed, and 1 member recused himself.

Recommendation

The application has not satisfied all the criteria required for granting a special use. Specifically, the proposed use is not compatible with the surrounding properties, and the applicant has not addressed this issue through buffering or other means to address that incompatibility. Further, the application does not provide evidence of a public need for the proposed used. Therefore, staff recommends denial of the application.

However, if the Board finds that the application does meet the criteria after reviewing the evidence presented during the public hearing, staff recommends the following conditions on the special use permit:

1. The storage containers and trailers must be sufficiently anchored to resist applicable loads including, but not limited to: wind, seismic, buoyancy, hydrostatic and hydrodynamic (the latter three loading conditions would be for the portion of the structure(s) below the flood protection elevation).

2. Prior to development, the applicant must supply a letter from a geotechnical engineer confirming connectivity to soils that meet State infiltration requirements at the proposed retention impoundment in basin WD.

If approved, flood development permits will be required along with the appropriate zoning permits for development.

Nicole Hay,
Morgan County Planning Administrator

ORIGINAL SUBMITTAL

Original Application

Right to Farm

MORGAN COUNTY PLANNING
ZONING & BUILDING DEPT.
231 Ensign, P.O. Box 596
Fort Morgan, Colorado 80701
PHONE (970)542-3526
FAX (970)542-3509
EMAIL: permits_licensing@co.morgan.us

PERMIT # SU2025 - 0001

Date Received 4 / 21 / 25 Received By ds
App Fee $800 (Ck)CC #: 7521 Paid 6 / 16 / 25
Minor Amend Fee: $____ CK/CC #:____ Paid / /
Recording Fee $____ Ck/CC #:____ Paid / /
PC Date: / / BOCC Date: / /
100 Year Floodplain? (Y)/N Taxes Current? (Y)/N

SPECIAL USE PERMIT APPLICATION

(Also to be used as application for Amendments to Existing Special Use Permits)
Landowner **MUST** Sign Application and Right to Farm Policy

APPLICANT

Name Gregory & Regina Dardanes
Address 968 N. Custer Street
Brush, CO. 80723
Phone [redacted]
Email [redacted]

LANDOWNER

Name Gregory & Regina Dardanes
Address 968 N. Custer Street
Brush, CO. 80723
Phone [redacted]
Email [redacted]

BRIEF DESCRIPTION OF APPLICATION

The property owner wish to recieve a special use permit to allow conex boxes on his property for storage purposes as well as storage areas for parking and trailers.

PROPERTY LEGAL DESCRIPTION

Address (if available):
968 N. Custer Street, Brush, CO. 80723

S: 34 T: 4N R: 56 W ____ ½ ____ ¼ SE ¼
Property Size 0.411 (sq. ft. or acres)
Parcel #: 1037 - 344 - 17 - 009
Zone District: RR
Subdivision: Church Subdivision of Munn's Addition
Lot #(s): 7

Is property located within 1320' (1/4 mile) of a livestock confinement facility? Y/N

SEE REQUIRED ATTACHMENT LIST ON BACK OF THIS PAGE.

INCOMPLETE APPLICATIONS WILL NOT BE ACCEPTED OR PROCESSED.

SPECIAL USE PERMIT REQUIRED ATTACHMENT LIST

Fee: ☐ **Non-Refundable Application Fee**

**Additional fees and charges may be required pursuant to Section 2-160 of Morgan County Zoning Regulations. Applicant will be responsible for any legal fees after the first 5 hours.*

Project Narrative: ☑ **Narrative– Including the following:**

- ☑ Project Description
- ☑ Purpose of request
- ☑ How this proposal complies with the Morgan County Comprehensive Plan
  See*:https://morgancounty.colorado.gov/sites/morgancounty/files/Comprehensive- Plan-2008.pdf*
- ☑ How this project/proposed use meets the criteria for Special Use Permit pursuant to Sec. 2-395 of the Zoning Regulations
- ☑ How the project/proposed use meets any specific criteria related to the project/proposed use. *See Morgan County Zoning Regulations Chapter 4-Supplementary Regulations, including but not limited to: Campgrounds, Livestock Confinement, Kennels, Outdoor Shooting Ranges, Home Occupations, Oil and Gas, Mobile Home Parks, Wireless Service Facilities, Solar, Wind and BESS*
- ☑ How project will relate to or impact existing adjacent uses
- ☑ All off-site impacts and proposed mitigation measures
- ☑ Development or implementation schedule of project
- N/A ☐ Proposed length of time the permit, if applicable
- N/A ☐ Discussion of any public improvements required to complete the project

Environmental Impacts: ☑ Discuss any environmental impacts the Special Use will have on the following and the proposed mitigation measures:

☑ Air Quality	☑ Dust	☑ Existing Vegetation	☑ Land Forms
☑ Noise	☑ Odor	☑ Storm Water Runoff	☑ Water Resources
☑ Wetlands	☑ Wildlife	☑ Visual Amenities	☑ Other _____

Map & Plans: ☑ **Special Use Map** meeting the requirements of Sec. 2-420 and any specific map requirements for the proposed use including but not limited to: *Campgrounds, Livestock Confinement, Kennels, Outdoor Shooting Ranges, Home Occupations, Oil and Gas, Mobile Home Parks, Wireless Service Facilities, Solar, Wind and BESS. Sample Map attached to application for reference*

☐ **Drainage/Run-Off Control Plan** may be required if the Planning Administrator determines that the use or building meets one of the following criteria:

(1) The accessory use or building may have a drainage impact on adjacent properties;
(2) The accessory use or building may have a drainage impact on adjacent right of ways;
(3) The accessory structure is 5000 square feet or larger.

N/A ☐ **Decommissioning Plan** [Wind, Solar, BESS]
N/A ☐ **Geotechnical Report** [Wind, Solar]
N/A ☐ **Maintenance Statement** [Wind, Solar, BESS]
N/A ☐ **Water and/or Wind Erosion Control Plan** [Wind, Solar]
N/A ☐ **Fire Mitigation Plan** [BESS]
N/A ☐ **Specification Sheet** [BESS]
N/A ☐ **Emergency Operation Plan** [BESS]

Ownership: ☑ **Current title insurance commitment (last 6 months)**
☑ **Mineral Rights Holders Notification**
N/A ☐ **Notice to FFA & Approval Letter** [Wind]
N/A ☐ **Notice to Operator of Communication Link (if applicable)** [Wind]
☑ **Proof of current paid taxes**

Utilities/Access: ☐ **Water tap (Engineering Report from Quality Water or proof of access to a well)**

☐ **Sewer (Septic Permit, Will Serve Letter from NCHD or proof of other public system)**

☐ **Electric (Electric bill or letter of commitment from electricity provider)**

N/A ☐ **Driveway Permit from CDOT or Morgan County Road & Bridge (If required by staff)**

N/A ☐ **Ditch Company- Proof of contact if there is a ditch on or next to subject property**

N/A ☐ **Architecture Control Approval (if applicable)**

N/A ☐ **Utility Interconnection or Crossing Certification** [Wind, Solar]

N/A ☐ **Road Agreement** [Wind, Solar]

N/A ☐ **Electrical Diagram** [BESS]

Vested Rights: ☐ **Vesting Rights** (Optional). If applying for vested rights with special use application, the following must be submitted:

N/A ☐ Period of time Vesting Rights are requested

N/A ☐ Development schedule including timeline and phases

N/A ☐ Reason for request

N/A ☐ Other pertinent factors concerning the development

N/A ☐ Additional application fee for vesting rights application

Miscellaneous: ☑ **Right to Farm Policy** signed by Landowner(attached)

N/A ☐ **Liability Insurance for Solar, Wind and/or BESS projects**

☐ _____**# Paper Application sets**

☐ _____**Digital Copy of Application (**One sided only)

☐ **Posted Public Notice Verification:**

☐ Notarized affidavit with photographs from a distance & close-up

This must be submitted PRIOR to Planning Commission hearing and PRIOR to Morgan County Board of Commissioners hearing

☐ **Additional Information required by staff:**

N/A

APPLICANT & LANDOWNERS **MUST** SIGN APPLICATION ON NEXT PAGE

APPLICANT & LANDOWNER'S STATEMENT

I certify that the information and exhibits I have submitted are true and correct to the best of my knowledge.
Application must be signed by landowners as shown on title insurance/commitment.

Gary Dardas 10-2-24
Applicant Signature Date

Regina Dardas 10/2/24
Applicant Signature Date

Gary Dardas 10-2-24
Landowner Signature Date

Regina Dardas 10/2/24
Landowner Signature Date

MORGAN COUNTY RIGHT TO FARM POLICY

Morgan County is one of the most productive agricultural counties in Colorado. Ranching, farming, animal feeding, and all agricultural activities and operations in Morgan County are integral and necessary elements of the continued vitality of the County's economy, culture, landscape, and lifestyle. Over 70% of the County's acreage is devoted to farming and raising livestock with over 700 farms. The agricultural products produced by those farms create millions of dollars of market value. Morgan County recognizes the importance of agricultural operations as necessary and worthy of recognition and protection and supports policies to maintain the high-quality rural character of the County.

Living in Morgan County requires residents to accept the effects of agriculture and rural living as part of daily life. Agricultural users of the land are not expected to change their long-established agricultural practices to accommodate the intrusions of residential activities into a rural area. These effects may include noise from tractors, equipment, and aerial spraying at any time; dust from animal pens, field work, harvesting, and use of gravel roads; odor from confinement animal feeding operations, silage and manure; smoke from ditch burning; flies and mosquitoes; the use of pesticides and fertilizers; and movement of livestock or machinery on public roads. Under Colorado law, these activities are not considered nuisances and are protected.

Residents must also accept that public services in rural areas are different than urban or suburban areas. Specifically, regular road maintenance may be less available and may be at a lower level. In certain circumstances, the standard for maintenance may be determined on whether the road is passable and usable and not whether the road surface is rough. County gravel roads, no matter how often they are maintained, will not provide the same kind of surface expected from a paved road and will not support travel at the recommended speed. Further, the County may permit certain road maintenance activities by agricultural producers or other industries to allow those commercial activities to continue when County resources are unavailable due to other road issues or events. The County considers these activities to be integral to the protection of agricultural operations in Morgan County.

In addition, in Morgan County, utility services may be nonexistent or subject to interruption; law enforcement, fire protection and ambulance service will have considerably longer response times; and snow may not be removed from County roads for several days after a major snowstorm. The County prioritizes snow removal as it deems necessary.

People are exposed to different hazards in a rural setting than they are in an urban or suburban area. Farms, ponds, irrigation ditches, electrical service to pumps and oil field equipment and operations, noxious weeds, livestock, and territorial animals may present real threats to people. It is necessary that all activities are supervised for both the protection of the people and protection of agricultural activities and owners may need to fence property to ensure a safe environment.

All County residents are encouraged to learn about their rights and responsibilities and to act as good neighbors and citizens of Morgan County. This includes but is not limited to obligations under Colorado State law, including but not limited to, the Colorado Fence and Right to Farm laws, and Morgan County Zoning Regulations regarding maintenance of fences, controlling weeds, and keeping animals under control. Residents are responsible for understanding and accepting the implications of living in a rural agricultural area.

Information regarding these topics may be obtained from the Morgan County Extension Office and Planning and Zoning Department.

RECEIPT AND STATEMENT OF UNDERSTANDING

I hereby certify that I have read and understood the Morgan County Right to Farm Policy. I further state that I am aware and acknowledge that the conditions of living in a rural area, primarily used for agricultural production, and that I understand these activities are protected under Colorado law and are not considered a nuisance.

Greg Dardanes 6.12.25
Signature Date

Greg Dardanes
Printed Name

968 N Custer Brush
Address

Regina Dardanes 6/12/25
Signature Date

Regina Dardanes
Printed Name

968 N Custer Brush
Address

Adopted by the Morgan County Board of County Commissioners by Resolution 2025 BCC 21

RECEIPT

Morgan County

231 Ensign, Fort Morgan, CO 80701

(970) 542-3526

SU2025-0001 | Special Use Permit

Receipt Number: 545764

Payment Amount: **$800.00**

June 6, 2025

Transaction Method	*Payer*	*Cashier*	*Reference Number*
Check	Dardanes	Jenafer Santos	7521

Comments

Assessed Fee Items

Fee items being paid by this payment

Assessed On	*Fee Item*	*Account Code*	*Assessed*	*Amount Paid*	*Balance Due*
05/12/25	Special Use - Full Review		$800.00	$800.00	$0.00
		Totals:	$800.00	$800.00	
				Previous Payments	$0.00
				Remaining Balance Due	$0.00

Application Info

Property Address	Property Owner	Property Owner Address	Valuation
968 N CUSTER ST BRUSH, CO 80701	DARDANES, GREGORY W & REGINA A	948 WILLIAMS ST BRUSH, CO 80723	

Description of Work

Special Use Permit to allow Conex boxes for storage purposes, storage trailers, and areas for covered parking.

APPLICANT NARRATIVE

WESTERN ENGINEERING CONSULTANTS, Inc LLC
127 S. Denver Avenue, Ft. Lupton CO 80621
2501 Mill St. Brush, CO 80723
Ph. [redacted], Fax 720-294-1330
Email: [redacted]

December 31, 2024

Morgan County Planning
Zoning and Building Dept.
231 Ensign, PO Box 596
Fort Morgan, CO. 80701

RE: DARDANES 968 N. CUSTER STREET SPECIAL USE PERMIT - PROJECT NARRATIVE

Morgan County Planning Department:

Western Engineering Consultants Inc. LLC (WEC) has prepared this project narrative for the Dardanes 968 N. Custer Street Special Use Permit proposal.

Mr. and Mrs. Dardanes wish to apply for a Special Use Permit with Morgan County for storage uses including Conex boxes, Storage Trailers, and areas for Covered Parking on their property, located at 968 North Custer Street, Brush, Colorado. 80723, parcel number 103734417009.

PURPOSE

The property is currently zoned Rural Residential in Morgan County, as seen in figure 1 below.

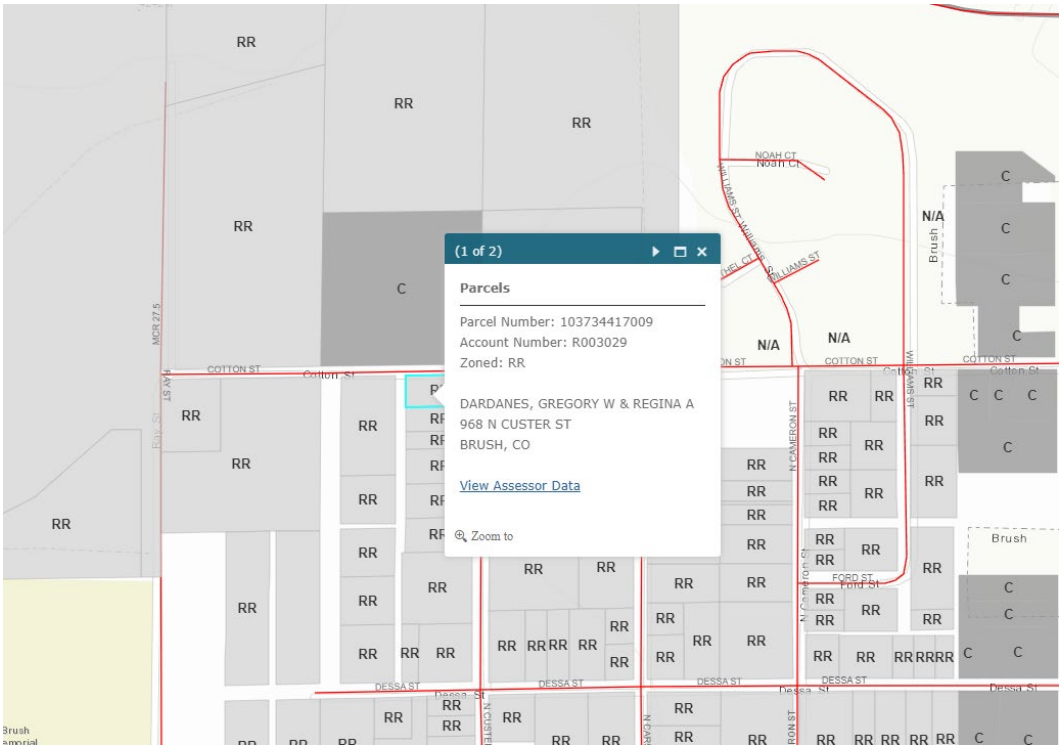


Fig. 1

COMPREHENSIVE PLAN

The 2008 Morgan County Comprehensive plan outlines the unincorporated areas around Brush, which includes the Dardanes property. The Comprehensive Plan specifies encouragement in the Rural Residential and Estate Residential Areas as continuing to maintain agricultural preservation. The existing lot is only 0.413 acres (less than 18,000 sft) with an existing residence – thus it has no current agricultural ability. The addition of storage facilities can be used to support agricultural related storage (equipment, etc) for this area of Brush.

The proposed SUP would not have any negative impacts on agriculture on this lot or in the area and would therefore be consistent with the Comprehensive Plan.

SPECIAL USE PERMIT CRITERIA

The proposed SUP meets the criteria outlined in the Zoning Regulation Section 2-395, as the property owner has previously met with the Planning Department to discuss the project and was informed of the process necessary to obtain approval of their project. The proposed improvements to the property will be a major investment and added value to the property.

RELATIONSHIP TO & IMPACT UPON ADJACENT USES

The proposed SUP will have little to no impact on adjacent uses. As seen in figures 2 and 3 below, north of the property is County maintained road Cotton Street, with a Commercial Zoned parcel north of that. All other parcels surrounding the property are Rural Residential, and the road to the east, N. Custer Street, are County maintained roads.

Fig. 2

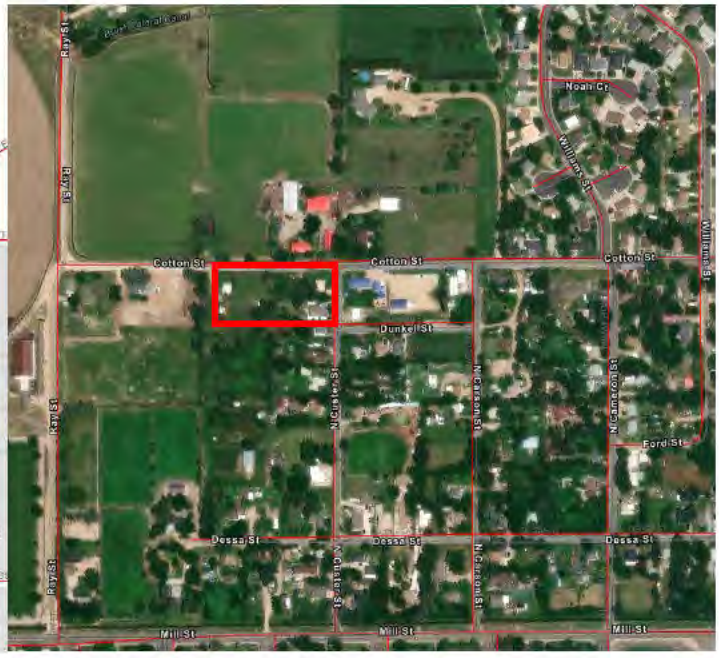


Fig. 3

OFF-SITE IMPACTS AND MITIGATION MEASURES

There should be no off-site impacts beyond minimal traffic (1 visit or less per week per unit).

The property is located in the AE Flood Zone as seen in figure 4, and a Flood Hazard Development Permit has been filled out by the applicant.

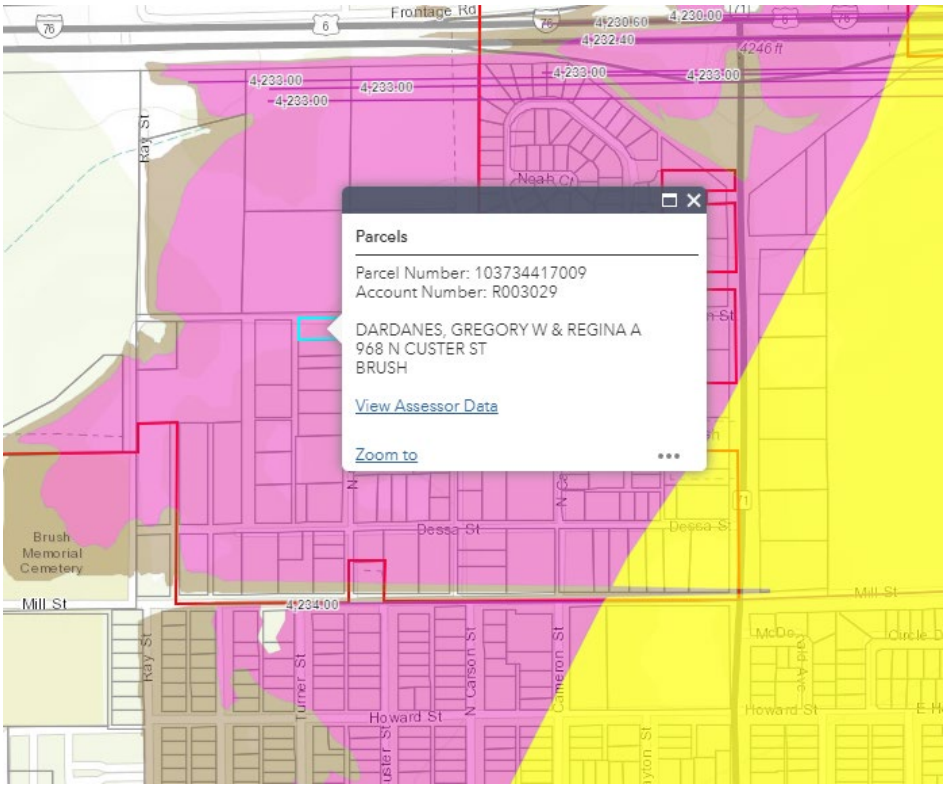


Fig. 4

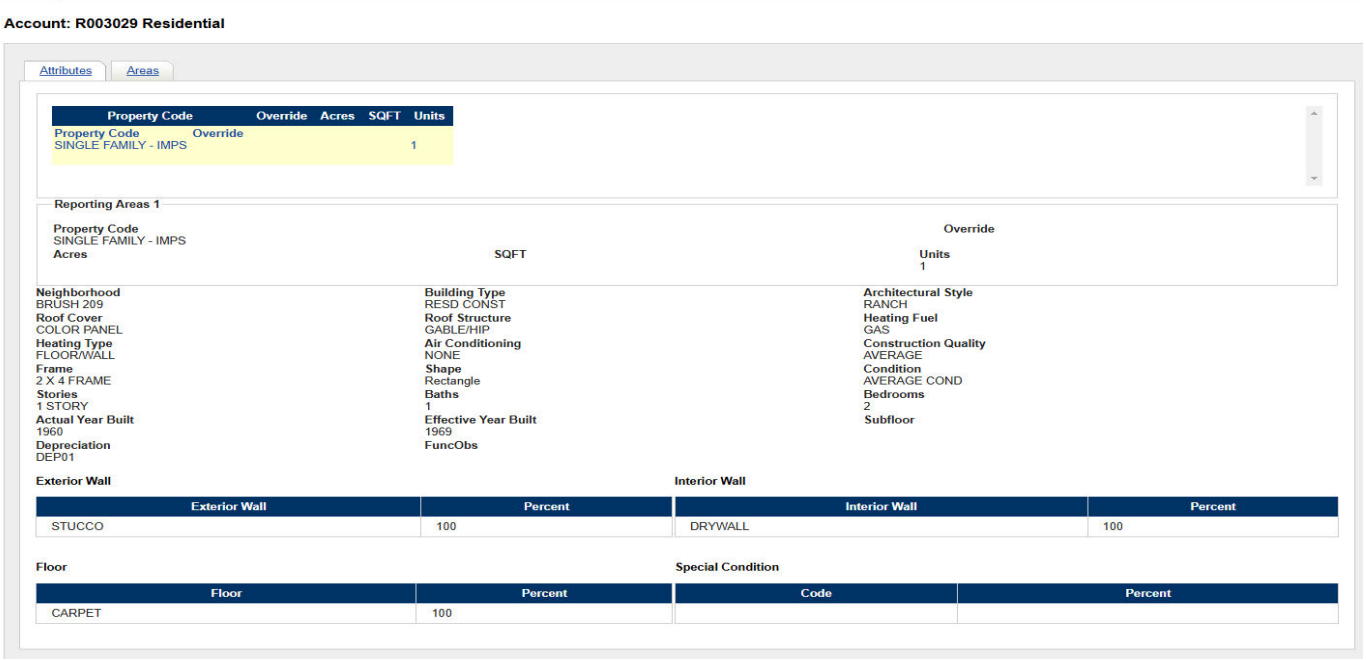
Environmental Impacts:

- Air Quality
  - No expected impact
- Dust
  - No expected impact
- Existing Vegetation
  - Weeds and some existing vegetation will be removed and replaced with gravel
- Landforms
  - No proposed impacts
- Noise
  - Minimal noise (well below City code) will occur with daily operations
- Odor
  - No expected impacts

- Storm Water Runoff
    - Please see the attached drainage narrative – this project will provide a significant improvement to the neighborhood by implementing a detention pond (i.e. there is only one other known Storm Pond in this approximate 160 acre part of the City of Brush!).
- Water Resources
    - No expected impact
- Wetlands
    - No expected impact
- Wildlife
    - No expected impact
- Visual Amenities
    - No expected negative impact (completed project will provide a clean gravel yard and earthtone amenities on site)

WATER WELL DOCUMENTATION

There is currently a water well on the property, with the meter located on the Southeast side of the property. The well was not permitted as it was installed when the home was constructed in the year 1960 (see figure 5 below) prior to the permitting requirement through the Colorado Division of Water Resources which began May 8th, 1972.



Account: R003029 Residential

Attributes | Areas

Property Code	Override	Acres	SQFT	Units
SINGLE FAMILY - IMPS				1

Reporting Areas 1

Property Code SINGLE FAMILY - IMPS
Override
Acres
SQFT
Units 1

Neighborhood BRUSH 209	**Building Type** RESD CONST	**Architectural Style** RANCH
Roof Cover COLOR PANEL	**Roof Structure** GABLE/HIP	**Heating Fuel** GAS
Heating Type FLOOR/WALL	**Air Conditioning** NONE	**Construction Quality** AVERAGE
Frame 2 X 4 FRAME	**Shape** Rectangle	**Condition** AVERAGE COND
Stories 1 STORY	**Baths** 1	**Bedrooms** 2
Actual Year Built 1960	**Effective Year Built** 1969	**Subfloor**
Depreciation DEP01	**FuncObs**	

Exterior Wall

Exterior Wall	Percent
STUCCO	100

Interior Wall

Interior Wall	Percent
DRYWALL	100

Floor

Floor	Percent
CARPET	100

Special Condition

Code	Percent

The current property owner (applicant) only purchased the property in the last half decade and was not aware the well was not permitted originally or by previous owners.

The property owner has been in contact with staff at the Colorado Division of Water Resources and has applied for registration of the well with the State.

IMPLEMENTATION SCHEDULE

The applicant anticipates beginning the project as once the SUP and FHDP are approved through Morgan County.

No public improvements are expected at this time, unless required later in the approval process.

Enclosed Documents

1) Special Use Permit Application	Enclosed
2) Fee	Provided by Applicant
3) Project Narrative	This Document
4) Environmental Impacts	This Document
5) Map and Plans	Enclosed
6) Ownership	Enclosed
7) Proof of Utilities	Enclosed
8) Right to Farm Application	Enclosed
9) Access Permit	Enclosed
10) FHDP Permit	Enclosed
11) FHDP Building Elevation Certificate	Enclosed

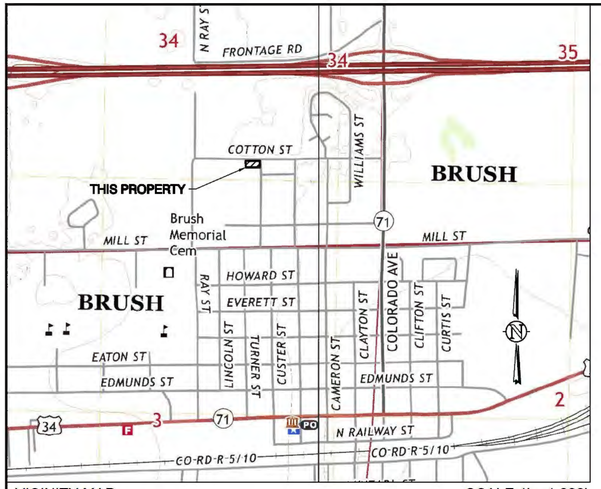
CLOSING

Please contact me with any questions or comments you may have on this Project Narrative.

Sincerely,

Western Engineering Consultants inc., LLC
Chadwin F. Cox, P.E.
Senior Project Manager

SITE PLAN / MAPS



VICINITY MAP SCALE 1' = 1,000'

SE 1/4, S34, T4N, R56W, 6th P.M.
SHOWN VICINITY MAP TAKEN FROM USGS QUAD MAPS - BRUSH 7.5 MIN

SPECIAL USE PERMIT
968 NORTH CUSTER STREET

BEING A PART OF THE SOUTHEAST 1/4 OF SECTION 34,
TOWNSHIP 4 NORTH, RANGE 56 WEST OF THE 6th P.M.,
CITY OF BRUSH, COUNTY OF MORGAN, STATE OF COLORADO
ZONE: RR

LEGAL DESCRIPTION (PER TITLE)

SHOWN PER TITLE BINDER PROVIDED BY EQUITY TITLE OF COLORADO, DATED JULY 30, 2024.

ALL OF LOT 7 OF CHURCH SUBDIVISION OF MUNN'S ADDITION TO THE TOWN (NOW CITY) OF BRUSH, COLORADO, ACCORDING TO THE RECORDED PLAT THEREOF;

EXCEPT THE SOUTH 25 FEET OF SAID LOT 7;

COUNTY OF MORGAN, STATE OF COLORADO.

MUNN'S ADDITION RECORDED APRIL 27, 1907 AT RECEPTION NO. 1400041.

CHURCH SUBDIVISION OF MUNN'S ADDITION RECORDED APRIL 17, 1948 AT RECEPTION NO. 1400075.

BASIS OF BEARING & PROJECT BENCHMARK

PROVIDED BY LAT40°, INC. ON LAND SURVEY PLAT, DATED MARCH 27, 2025:

BASIS OF BEARING:

ASSUMING THE NORTH LINE OF LOT 26 MUNN'S ADDITION, AS MONUMENT BY A 1" PIPE AT THE NORTHWEST CORNER AND A BENT #5 REBAR AT THE EASTERLY END, AS BEARING NORTH 88°53'35" EAST, BEING A GRID BEARING OF THE COLORADO STATE PLANE COORDINATE SYSTEM, NORTH ZONE, NORTH AMERICAN DATUM 1983, A DISTANCE OF 480.38 FEET WITH ALL OTHER BEARINGS CONTAINED HEREIN RELATIVE THERETO.

MODIFIED COLORADO STATE PLANE COORDINATES, NORTH ZONE, NORTH AMERICAN DATUM 1983. HORIZONTAL CONTROL BASED UPON GPS OBSERVATIONS USING THE TRIMBLE VRS NETWORK. THIS DRAWING IS AT MODIFIED STATE PLANE, TO REDUCE TO STATE PLANE COORDINATES, SCALE AT 0.999735370 (1.00026470) ABOUT THE ORIGIN 0,0.

PROJECT BENCHMARK:

ELEVATIONS ARE BASED ON DIFFERENTIAL GPS OBSERVATIONS AND ARE BASED ON THE NAVD88 VERTICAL DATUM.

REVISIONS	SHEET INDEX:	
0 1	1	COVER SHEET
0 1	2	EXISTING CONDITIONS & DEMO PLAN
0 1	2A	EXISTING CONDITIONS & DEMO PLAN W/ AERIAL
0 1	3	SITE PLAN
0 1	4	GRADING PLAN
0 1	5	DRAINAGE PLAN
0 1	6	DRAINAGE DETAILS

0	INITIAL RELEASE	APRIL 11, 2025
1	REV PER CITY COMMENTS	MAY 23, 2025

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L.S. COLORA

UNCC
CALL BEFORE
YOU DIG
1-800-922-1987
Utility Notification
Center of Colorado
Administrative Office
16361 Table Mountain Parkway Golden,
Colorado 80403
Office 303-232-1991 Fax 303-234-1712
Toll-Free 1-800-922-1987
CALL 2-BUSINESS DAYS IN ADVANCE
BEFORE YOU DIG, GRADE, OR EXCAVATE
FOR THE MARKING OF UNDERGROUND
MEMBER UTILITIES.

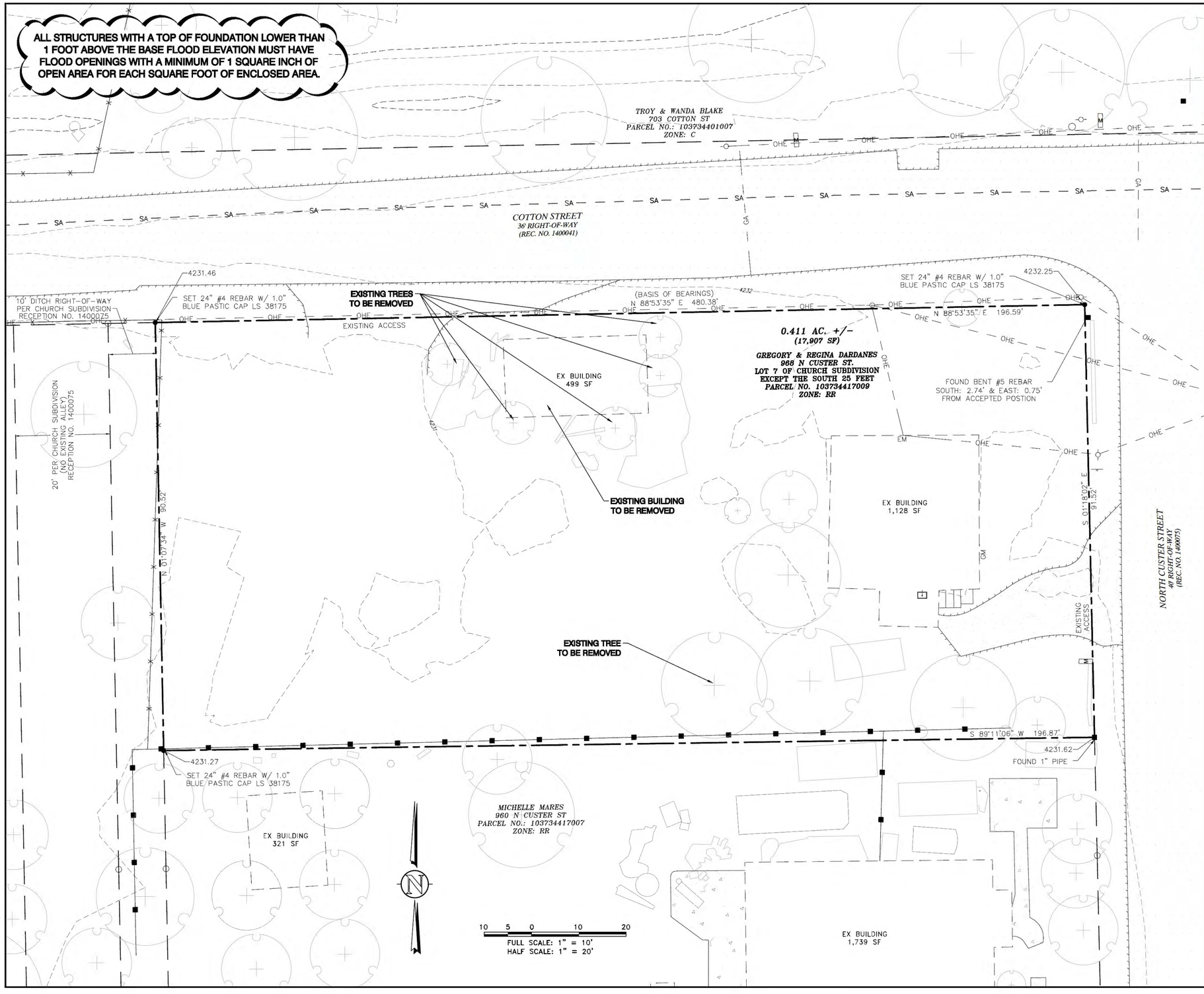
PREPARED BY:

Western Engineering Consultants, Inc. LLC

WESTERN ENGINEERING CO
127 S. DENVER AVENUE, FORT LUPTON, C
[redacted] PH, 720-294-1330 FAX, [redacted]

T:\0259_002_00-DARDANES\Dwg\CDs\0259-002-WEC-SUP.dwg, 01-COVER, 5/23/2025 5:26:17 PM, AutoCAD PDF (General Documentation).pc3, ARCH expand D (36.00 x 24.00 Inches), WEC 24*36, WEC 24*36

ALL STRUCTURES WITH A TOP OF FOUNDATION LOWER THAN 1 FOOT ABOVE THE BASE FLOOD ELEVATION MUST HAVE FLOOD OPENINGS WITH A MINIMUM OF 1 SQUARE INCH OF OPEN AREA FOR EACH SQUARE FOOT OF ENCLOSED AREA.



SITE MAP SCALE 1" = 1,000'
SHOWN VICINITY MAP TAKEN FROM AUTOCAD GEOLOCATION

NOTES

THIS PLAN IS INTENDED AS THE EXISTING CONDITIONS & DEMO PLAN FOR THE DARDANES PROPERTY.

ALL IMPROVEMENTS ARE EXISTING UNLESS NOTED AS PROPOSED.

IT IS THE OWNER AND/OR THE CONTRACTOR'S RESPONSIBILITY TO ATTAIN ALL APPROPRIATE PERMITS AND REVIEW APPROVALS FROM THE STATE OF COLORADO AND MORGAN COUNTY RESPECTIVELY.

SEE COVER SHEET FOR BASIS OF BEARING & BENCHMARK.

ANY REFERENCE TO EASEMENTS, SURVEY POINTS, OR EXISTING UTILITIES AND FEATURES ARE BASED SOLELY FROM SURVEY PROVIDED BY LAT40, INC. ON AUGUST 16, 2024 & AERIAL DRONE SURVEY BY WEC, DATED JULY 30, 2024 (HORIZONTAL & VERTICAL CONTROL PROVIDED BY LAT40, INC.).

NOT ALL UNCC UTILITY LOCATES HAVE BEEN PERFORMED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITIES ARE LOCATED AND SURVEY PROVIDED TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION DRAWING RELEASE.

SYMBOL LEGEND

- 45 DEG BEND
- 22.5 DEG BEND
- RESTRAINED PLUG
- RESTRAINED TEE
- RESTRAINED CROSS
- FIRE HYDRANT
- RESTRAINED VALVE
- UTILITY POLE
- LIGHT POLE
- BUILDING LIGHT
- TRANSFORMER
- ELECTRIC METER
- ELECTRIC PANEL
- TELEPHONE PEDESTAL
- THRUST BLOCK TB
- GATE VALVE GV
- CURB STOP
- WATER METER
- PIPE CROSSING
- MANHOLE
- MANHOLE W/ FLOW DIRECTION
- TRASH ENCLOSURE
- OVERHEAD DOOR
- LOADING ZONE
- PROPERTY CORNER
- AERIAL CONTROL POINT
- EX TREES / SHRUBS

- EXISTING GRAVEL
- EXISTING CONC
- EXISTING ASPHALT
- PROPOSED MILLINGS
- PROPOSED CONC
- PROPOSED ASPHALT

LINETYPE LEGEND

- LOT / PROPERTY / SECTION LINE
- RIGHT OF WAY LINE
- EASEMENT
- SETBACK
- PROPOSED BUILDING
- EXISTING BUILDING, CURB
- EDGE of ASPHALT or GRAVEL RD
- WOOD OR METAL FENCE
- WIRE FENCE
- CHAINLINK FENCE
- WATER SURFACE
- PROPOSED SWALE
- EXISTING DITCH
- EXISTING OVERHEAD ELEC
- EXISTING ELECTRICAL LINE
- EXISTING STORM LINE
- EXISTING SANITARY LINE
- EXISTING WATER LINE
- EXISTING GAS LINE
- EXISTING FIBER OPTIC LINE
- EXISTING TELEPHONE LINE
- PROPOSED SANITARY LINE
- PROPOSED SANITARY SERVICE
- PROPOSED STORM LINE
- PROPOSED WATER LINE
- PROPOSED WATER SERVICE
- PROPOSED GAS LINE
- PROPOSED ELECTRIC LINE
- PROPOSED TELEPHONE LINE

Western Engineering Consultants, inc LLC
127 S. DENVER AVE
FT. LUPTON, CO 80621
www.westernwci.com
FAX (720) 294-1330

No	REVISION	DATE	BY
0	INITIAL RELEASE	04/11/25	CFC
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DARDANES PROPERTY
CONTACT:
GREGORY DARDANES
948 WILLIAMS STREET
BRUSH 80723

EX CONDITIONS & DEMO PLAN
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INITIAL PLAN RELEASE: 04/11/25
DESIGNED BY: CFC
DRAWN BY: CFC
CHECKED BY: CFC
PROJECT NO. 01-0259.002.00
DOC CON # 0002-EX COND
SHEET 2 OF 6

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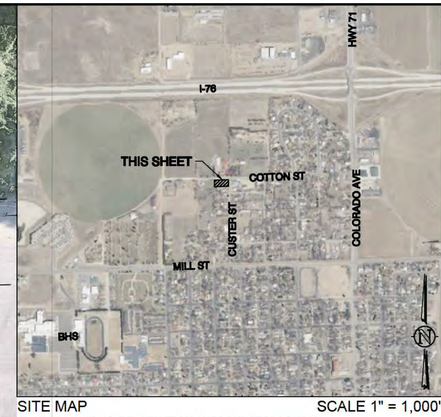

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SHEET 2A OF 6

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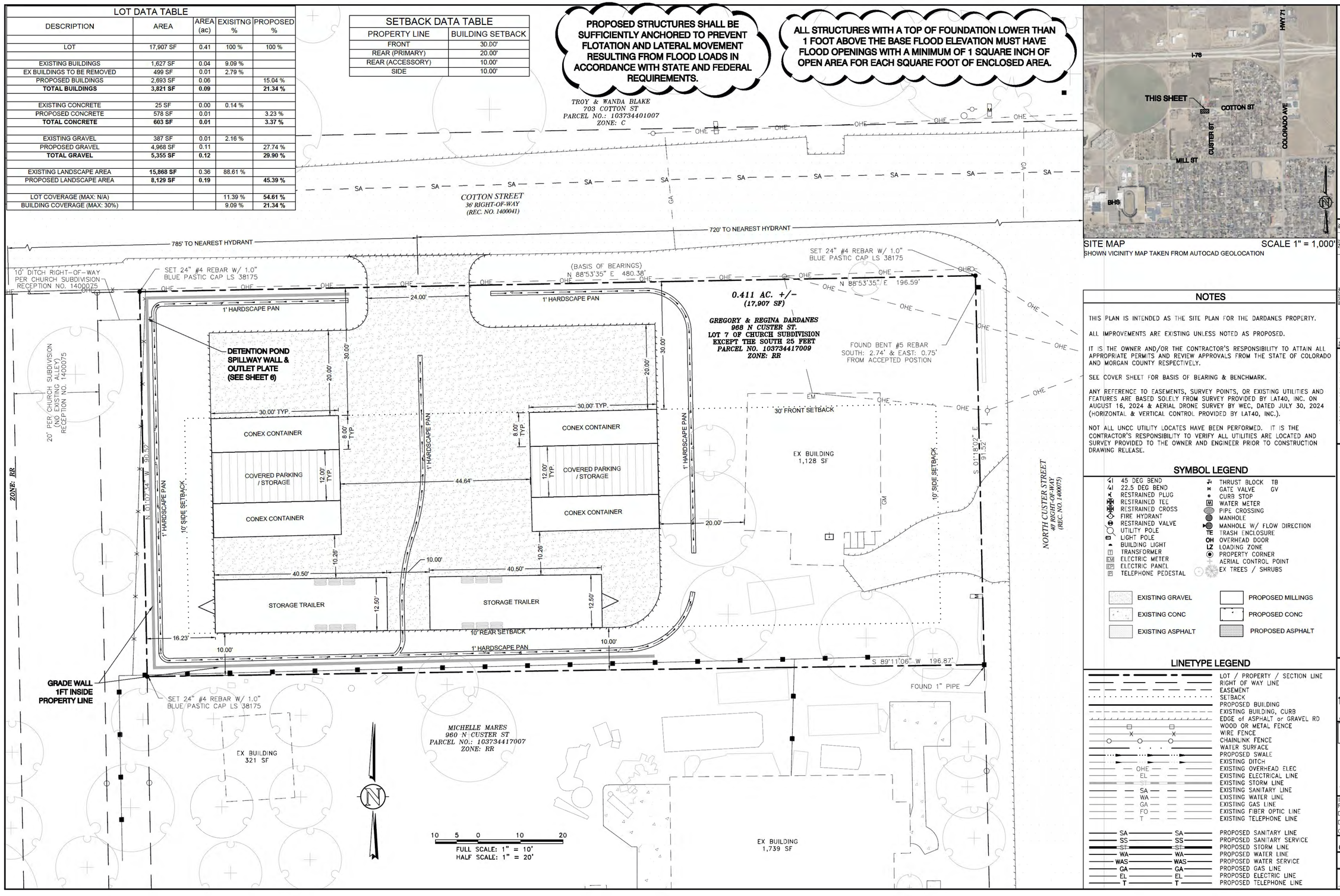
LOT DATA TABLE				
DESCRIPTION	AREA	AREA (ac)	EXISITNG %	PROPOSED %
LOT	17,907 SF	0.41	100 %	100 %
EXISTING BUILDINGS	1,627 SF	0.04	9.09 %	
EX BUILDINGS TO BE REMOVED	499 SF	0.01	2.79 %	
PROPOSED BUILDINGS	2,693 SF	0.06		15.04 %
TOTAL BUILDINGS	**3,821 SF**	**0.09**		**21.34 %**
EXISTING CONCRETE	25 SF	0.00	0.14 %	
PROPOSED CONCRETE	578 SF	0.01		3.23 %
TOTAL CONCRETE	**603 SF**	**0.01**		**3.37 %**
EXISTING GRAVEL	387 SF	0.01	2.16 %	
PROPOSED GRAVEL	4,968 SF	0.11		27.74 %
TOTAL GRAVEL	**5,355 SF**	**0.12**		**29.90 %**
EXISTING LANDSCAPE AREA	**15,868 SF**	0.36	88.61 %	
PROPOSED LANDSCAPE AREA	**8,129 SF**	**0.19**		**45.39 %**
LOT COVERAGE (MAX: N/A)			11.39 %	**54.61 %**
BUILDING COVERAGE (MAX: 30%)			9.09 %	**21.34 %**

SETBACK DATA TABLE	
PROPERTY LINE	BUILDING SETBACK
FRONT	30.00'
REAR (PRIMARY)	20.00'
REAR (ACCESSORY)	10.00'
SIDE	10.00'

PROPOSED STRUCTURES SHALL BE SUFFICIENTLY ANCHORED TO PREVENT FLOTATION AND LATERAL MOVEMENT RESULTING FROM FLOOD LOADS IN ACCORDANCE WITH STATE AND FEDERAL REQUIREMENTS.

ALL STRUCTURES WITH A TOP OF FOUNDATION LOWER THAN 1 FOOT ABOVE THE BASE FLOOD ELEVATION MUST HAVE FLOOD OPENINGS WITH A MINIMUM OF 1 SQUARE INCH OF OPEN AREA FOR EACH SQUARE FOOT OF ENCLOSED AREA.



SITE MAP SCALE 1" = 1,000'
SHOWN VICINITY MAP TAKEN FROM AUTOCAD GEOLOCATION

NOTES

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SEE COVER SHEET FOR BASIS OF BEARING & BENCHMARK.

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NOT ALL UNCC UTILITY LOCATES HAVE BEEN PERFORMED. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL UTILITIES ARE LOCATED AND SURVEY PROVIDED TO THE OWNER AND ENGINEER PRIOR TO CONSTRUCTION DRAWING RELEASE.

SYMBOL LEGEND

- 45 DEG BEND
- 22.5 DEG BEND
- RESTRAINED PLUG
- RESTRAINED TEE
- RESTRAINED CROSS
- FIRE HYDRANT
- RESTRAINED VALVE
- UTILITY POLE
- LIGHT POLE
- BUILDING LIGHT
- TRANSFORMER
- ELECTRIC METER
- ELECTRIC PANEL
- TELEPHONE PEDESTAL
- THRUST BLOCK TB
- GATE VALVE GV
- CURB STOP
- WATER METER
- PIPE CROSSING
- MANHOLE
- MANHOLE W/ FLOW DIRECTION
- TRASH ENCLOSURE
- OVERHEAD DOOR
- LOADING ZONE
- PROPERTY CORNER
- AERIAL CONTROL POINT
- EX TREES / SHRUBS

EXISTING GRAVEL
EXISTING CONC
EXISTING ASPHALT
PROPOSED MILLINGS
PROPOSED CONC
PROPOSED ASPHALT

LINETYPE LEGEND

- LOT / PROPERTY / SECTION LINE
- RIGHT OF WAY LINE
- EASEMENT
- SETBACK
- PROPOSED BUILDING
- EXISTING BUILDING, CURB
- EDGE of ASPHALT or GRAVEL RD
- WOOD OR METAL FENCE
- WIRE FENCE
- CHAINLINK FENCE
- WATER SURFACE
- PROPOSED SWALE
- EXISTING DITCH
- OHE — EXISTING OVERHEAD ELEC
- EL — EXISTING ELECTRICAL LINE
- ST — EXISTING STORM LINE
- SA — EXISTING SANITARY LINE
- WA — EXISTING WATER LINE
- GA — EXISTING GAS LINE
- FO — EXISTING FIBER OPTIC LINE
- T — EXISTING TELEPHONE LINE
- SA — PROPOSED SANITARY LINE
- SS — PROPOSED SANITARY SERVICE
- ST — PROPOSED STORM LINE
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DARDANES PROPERTY
CONTACT:
GREGORY DARDANES
948 WILLIAMS STREET
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CHECKED BY: CFC
PROJECT NO. 01-0259.002.00
DOC CON # 0003-SITE
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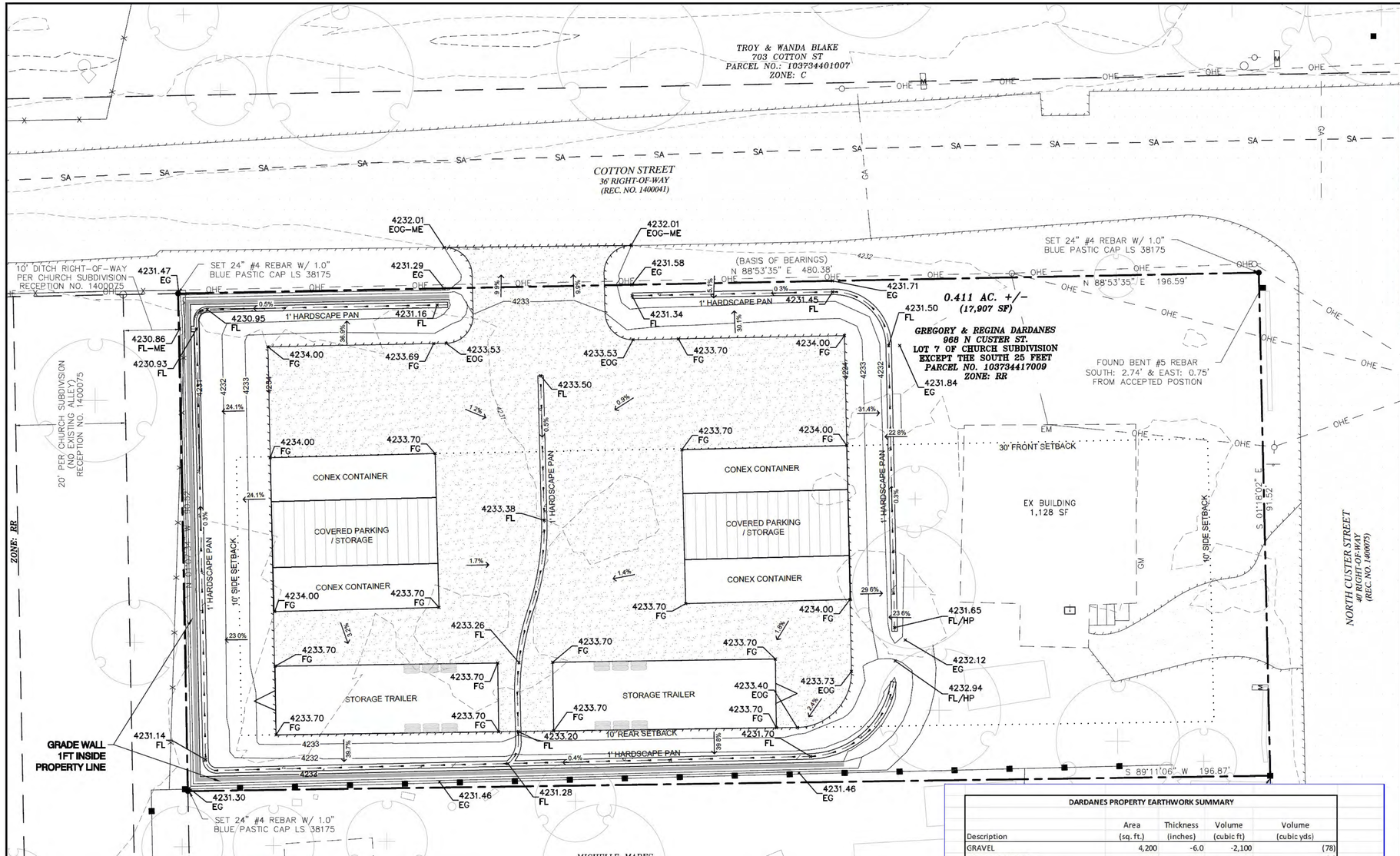

GRADING LEGEND

EXISTING MINOR CONTOUR	PROPOSED MINOR CONTOUR
EXISTING MAJOR CONTOUR	PROPOSED MAJOR CONTOUR
× 4980.30 FL — EXISTING SPOT ELEVATION	× 4992.30 FG — PROPOSED SPOT ELEVATION
1.0% — EXISTING SLOPE	1.0% — PROPOSED SLOPE

FG = FINISH GRADE; EG = EXISTING GRADE; EOC = EDGE OF CONCRETE
TOB = TOP OF BERM; FL = FLOWLINE; FF = FINISH FLOOR
EOA = EDGE OF ASPHALT; HP = HIGH POINT; ME = MATCH EXISTING
EOG = EDGE OF GRAVEL; INV = INVERT; ADA = ACCESSIBLE PARKING

CONTOURS ARE SHOWN FOR EXHIBIT PURPOSES.
GRADING TO BE CONSTRUCTED PER SHOWN SPOT ELEVATIONS.

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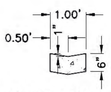

TYPICAL 1' HARDSCAPE PAN DETAIL
SCALE 1" = 2'

DARDANES PROPERTY EARTHWORK SUMMARY

	Description	Area (sq. ft.)	Thickness (inches)	Volume (cubic ft)	Volume (cubic yds)	
	GRAVEL	4,200	-6.0	-2,100	(78)	
	HARDSCAPE PANS	438	-6.0	-219	(8)	
	OVER-EX SOIL REPLACEMENT	0	0	0	-	
A	TOTAL IMPORT (HARDSCAPE)	4,638 sft		-2,319	(86)	A
		0.11 ac				
	Disturbed Area	0.28 ac				
B1	EG to FG Surface to Surface net cut required (cy)				4	
B2	EG to FG Surface to Surface net (fill) required (cy)				(941)	
B	Surface to Surface net cut (fill) required (cy) after 10% fill shrinkage				(937)	B
	(B-A) Net Excess or (Shortage) cy needed in order to balance				**(851)**	**=B1-(B2+A)**
	Net adjustment to balance + raise, (lower) in feet over area noted above				(1.91)	
				% Unbalanced	91%	
	Assumed Site Stripping's under new asphalt, conc, gravel (4" over 4,638 sf)				57	

Summary B includes assumed 10% shrinkage of fill material
Additional import may be necessary to achieve stabilization.
Additional import may be required and an excess material condition could occur.
No overexcavation, foundation excavation, or buried utility export, has been included in this table.
Not all landscape hardscape areas have been accounted for in this table.

11/6/2024 Revision 0

SITE MAP — SCALE 1" = 1,000'
SHOWN VICINITY MAP TAKEN FROM AUTOCAD GEOLOCATION

NOTES

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TROY & WANDA BLAKE
703 COTTON ST
PARCEL NO.: 103734401007
ZONE: C

COTTON STREET
36' RIGHT-OF-WAY
(REC. NO. 1400041)

DETENTION POND SPILLWAY WALL & OUTLET PLATE (SEE SHEET 7)

10' DITCH RIGHT-OF-WAY PER CHURCH SUBDIVISION RECEPTION NO. 1400075

SET 24" #4 REBAR W/ 1.0" BLUE PASTIC CAP LS 38175

(BASIS OF BEARINGS) N 88°53'35" E 480.38'

SET 24" #4 REBAR W/ 1.0" BLUE PASTIC CAP LS 38175

N 88°53'35" E 196.59

0.411 AC. +/- (17,907 SF)

GREGORY & REGINA DARDANES
968 N CUSTER ST.
LOT 7 OF CHURCH SUBDIVISION EXCEPT THE SOUTH 25 FEET
PARCEL NO. 103734417009
ZONE: RR

FOUND BENT #5 REBAR SOUTH: 2.74' & EAST: 0.75' FROM ACCEPTED POSTION

20' PER CHURCH SUBDIVISION (NO EXISTING ALLEY) RECEPTION NO. 1400075

ZONE: RR

1' HARDSCAPE PAN

EX W 0.33 | .04 | .48

CONEX CONTAINER

COVERED PARKING / STORAGE

CONEX CONTAINER

WC 0.04 | .11 | .52

WA 0.14 | .54 | .74

WD 0.09 | .19 | .56

WB 0.06 | .41 | .67

EX E 0.08 | .04 | .48

STORAGE TRAILER

STORAGE TRAILER

10' REAR SETBACK

30' FRONT SETBACK

10' SIDE SETBACK

EX BUILDING 1,128 SF

S 89°11'06" W 196.87'

FOUND 1" PIPE

NORTH CUSTER STREET
40' RIGHT-OF-WAY
(REC. NO. 1400075)

GRADE WALL 1FT INSIDE PROPERTY LINE

SET 24" #4 REBAR W/ 1.0" BLUE PASTIC CAP LS 38175

MICHELLE MARES
960 N CUSTER ST
PARCEL NO.: 103734417007
ZONE: RR

NET CHANGE IN IMPERVIOUSNESS TABLE

DESCRIPTION	AREA	IMPERVIOUS %	EQUIVALENT AREA
EXISTING BUILDING	1,128 SF	90 %	1,015 SF
PROPOSED BUILDING	2,693 SF	90 %	2,424 SF
TOTAL CHANGE IN BUILDING	**1,565 SF**	90 %	**1,409 SF**
EXISTING GRAVEL	387 SF	40 %	155 SF
PROPOSED GRAVEL	4,968 SF	40 %	1,987 SF
TOTAL CHANGE IN GRAVEL	**4,581 SF**	40 %	**1,832 SF**
EXISTING CONCRETE	25 SF	100 %	25 SF
PROPOSED CONCRETE	578 SF	100 %	578 SF
TOTAL CHANGE IN CONCRETE	**553 SF**	100 %	**553 SF**
NET CHANGE IN IMPERVIOUSNESS			**3,794 SF**
DISTURBED AREA			**12,033 SF**

POND WATER SURFACE & RELEASE RATE TABLE

VOLUME DESCRIPTION	REQUIRED VOLUME (CFT)	WATER SURFACE ELEVATION	DESIGN RELEASE RATE	HISTORIC RELEASE RATE
WQCV	171.4	4231.44	----	----
5 YR	311.0	4231.79	0.06 CFS	0.05 CFS
10 YR	451.4	4232.04	0.10 CFS	0.19 CFS
100 YR	993.4	4232.41	0.54 CFS	1.08 CFS

10 5 0 10 20
FULL SCALE: 1" = 10'
HALF SCALE: 1" = 20'

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1.00' / 0.50' — 6"

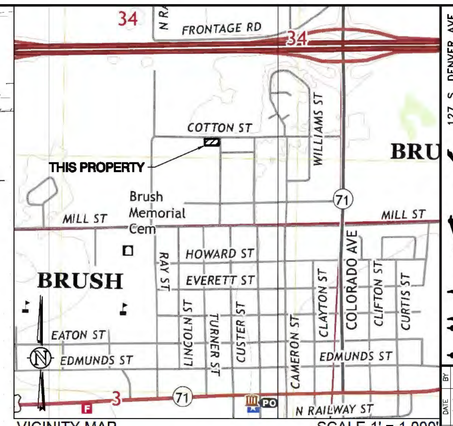
TYPICAL 1' HARDSCAPE PAN DETAIL
SCALE 1" = 2'

Existing Runoff Table - Dardanes Property

BASIN	Impervious	C-YR	I	A	CIA(YR-existing)	Flow	DESIGN POINT
EX E							
C_2 (MHFD 2018)	20.91	0.16	2.96	0.08	0.04	cfs	E1
C_5	20.91	0.20	3.94	0.08	0.07	cfs	
C_{10}	20.91	0.29	4.80	0.08	0.11	cfs	
C_{100}	20.91	0.57	8.38	0.08	0.39	cfs	
EX W							
C_2 (MHFD 2018)	8.48	0.06	2.00	0.33	0.04	cfs	E2
C_5	8.48	0.10	2.66	0.33	0.09	cfs	
C_{10}	8.48	0.20	3.24	0.33	0.21	cfs	
C_{100}	8.48	0.52	5.66	0.33	0.97	cfs	

Developed Runoff Table - Dardanes Property

BASIN	Impervious	C-YR	I	A	CIA(YR-DEVELOPED)	cfs	DESIGN POINT
W A							
C_2 (MHFD 2018)	54.17	0.42	2.72	0.14	0.17	cfs	1
C_5	54.17	0.48	3.62	0.14	0.25	cfs	
C_{10}	54.17	0.53	4.41	0.14	0.34	cfs	
C_{100}	54.17	0.71	7.70	0.14	0.79	cfs	
W B							
C_2 (MHFD 2018)	45.93	0.37	2.87	0.06	0.06	cfs	2
C_5	45.93	0.41	3.82	0.06	0.09	cfs	
C_{10}	45.93	0.47	4.65	0.06	0.13	cfs	
C_{100}	45.93	0.67	8.13	0.06	0.32	cfs	
W C							
C_2 (MHFD 2018)	8.78	0.07	3.39	0.04	0.01	cfs	3
C_5	8.78	0.11	4.51	0.04	0.02	cfs	
C_{10}	8.78	0.20	5.49	0.04	0.04	cfs	
C_{100}	8.78	0.52	9.60	0.04	0.20	cfs	
W D							
C_2 (MHFD 2018)	18.53	0.15	3.39	0.09	0.04	cfs	4
C_5	18.53	0.19	4.51	0.09	0.07	cfs	
C_{10}	18.53	0.27	5.49	0.09	0.13	cfs	
C_{100}	18.53	0.56	9.60	0.09	0.47	cfs	



VICINITY MAP — SCALE 1' = 1,000'

SE 1/4, S34, T4N, R56W, 6th P.M.
SHOWN VICINITY MAP TAKEN FROM USGS QUAD MAPS - BRUSH 7.5 MIN

L - INITIAL LENGTH
S - INTIAL SLOPE
L - TRAVEL LENGTH
S - TRAVEL SLOPE
* AVERAGE SLOPE INCLUDES ROOF SLOPE OF 8.33%

$L_i = LI$, $S_i = SI$; $L_t = Lt$, $S_t = St$

EXISTING DRAINAGE LEGEND

E — EXISTING SUB-BASIN DESIGNATION
1.12 | .73 | .83 — C5 | C100 — AREA IN ACRES
8 — DESIGN POINT
EXISTING BASIN
EXISTING DRAINAGE PATTERN

DEVELOPED DRAINAGE LEGEND

B1 — SUB-BASIN DESIGNATION
3.20 | .58 | .88 — C5 | C100 — AREA IN ACRES
DEVELOPED BASIN
PROPOSED DRAINAGE PATTERN
8 — DESIGN POINT
EMERGENCY OVERFLOW

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01-0259.002.00
DOC CON #
0005-DRNG
SHEET
5 OF 6

STRUCTURAL NOTES:

1. ALL CONCRETE SHALL BE C.D.O.T. CLASS B CAST IN PLACE.
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFER 3/4".
3. ALL REINFORCING BARS SHALL HAVE A MINIMUM 2-1/2" CLEARANCE AND COVER.
4. ALL REINFORCING BARS SHALL BE EPOXY COATED.
5. ALL STEPS SHALL BE IN ACCORDANCE WITH AASHTO M199.

REINFORCEMENT:

1. BAR REINFORCEMENT SHALL BE ASTM A615, (GRADE 60), DEFORMED, EPOXY COATED, UNLESS NOTED OTHERWISE. ALL REINFORCING SHALL BE FREE OF MUD, ICE OR OTHER LAITENANCE THAT COULD LESSEN ANCHORAGE AND BOND TO THE SURROUNDING CONCRETE.
2. REBAR SUPPORTS: MANUFACTURE REBAR SUPPORTS FROM STEEL WIRE, PLASTIC, OR PRECAST CONCRETE ACCORDING TO CRSI's "MANUAL OF STANDARD PRACTICE".
3. PLACEMENT: COMPLY WITH CRSI's "MANUAL OF STANDARD PRACTICE" FOR PLACING REINFORCEMENT.
4. CONCRETE COVER AND PROTECTION FOR REINFORCING BARS SHALL CONFORM TO ACI 318, PART 3, CHAPTER 7, SECTION 7.7.1 "CAST-IN-PLACE CONCRETE NONPRESTRESSED" UNLESS NOTED OTHERWISE.

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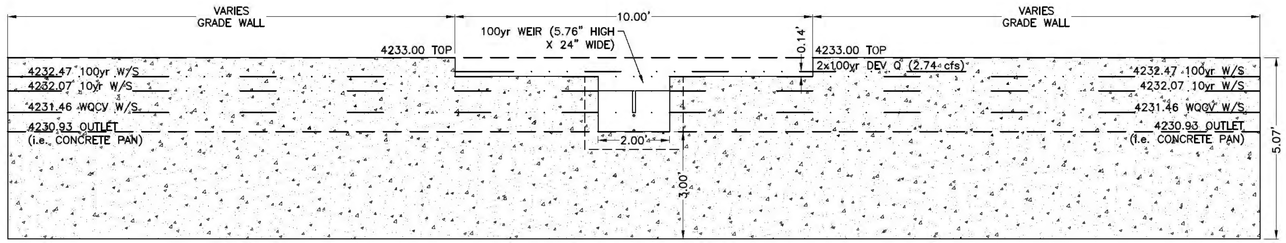
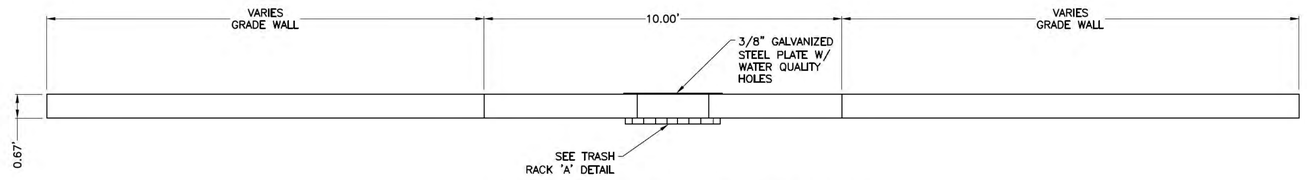
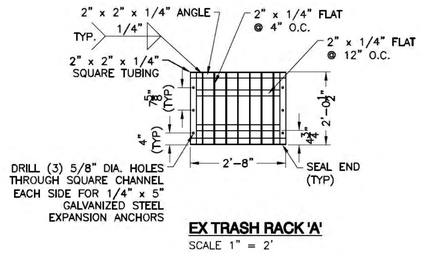


DETENTION POND SPILLWAY WALL WEIR (6" THICK)
PROFILE VIEW
SCALE 1" = 2'

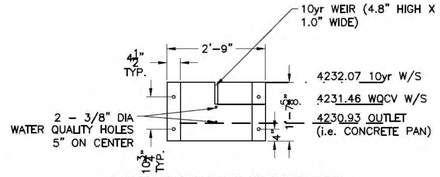
REINFORCE WALL WITH SINGLE MAT - #4 REBAR 12" O.C. EACH WAY.



DETENTION POND SPILLWAY WALL WEIR (8" THICK)
PLAN VIEW
SCALE 1" = 2'



EX TRASH RACK 'A'
SCALE 1" = 2'



3/8" GALVANIZED STEEL PLATE W/ WATER QUALITY HOLES

RIPRAP BEDDING REQUIREMENTS

UDFCD Table MD-12 (Volume 1)

Riprap Designation	Minimum Bedding Thickness (inches)		
	Fine-Grained Soils*		Coarse-Grained soils**
	Type I	Type II	Type II
VL (d_{50} =6 in), L (d_{50}=9 in)	4	4	6
M (d_{50} =12 in)	4	4	6
H (d_{50} =18 in)	4	6	8
VH (d_{50} =24 in)	4	6	8

* May substitute one 12-inch layer of type II bedding. The substitution of one layer of type II bedding shall not be permitted at drop structures. The use of a combination of filter fabric and Type II bedding at drop structures is acceptable.

**Fifty percent or more by weight retained on the #40 sieve.

BEDDING GRADATION

UDFCD Table MD-11

U.S. Standard Sieve Size	Percent Weight by Passing Square-Mesh Sieves	
	Type I CDOT Sect. 703.01	Type II CDOT Sect. 703.06 Class A
3 inches	-----	90-100
1 1/2 inches	-----	-----
3/4 inches	-----	20-90
3/8 inches	100	-----
#4	95-100	0-20
#16	45-80	-----
#50	10-30	-----
#100	2-10	-----
#200	0-2	0-3

Classification & Gradation of Ordinary Riprap UDFCD Table MD-7

Riprap Designation	% Smaller Than Given Size by Weight	Intermediate Rock Dimensions (inches)	d50 (inches)*
Type VL	70-100 50-70 35-50 2-10	12 9 6 2	6**
Type L	70-100 50-70 35-50 2-10	15 12 9 3	9**
Type M	70-100 50-70 35-50 2-10	21 18 12 4	12**
Type H	70-100 50-70 35-50 2-10	30 24 18 6	18

SOIL RIPRAP

70%-75% RIPRAP
25%-30% SOIL

Western Engineering Consultants, inc LLC
127 S. DENVER AVE
FT. LUPTON, CO 80621
www.westernwci.com
FAX (720) 294-1330

No.	REVISION	DATE	BY
0	INITIAL RELEASE	04/11/25	CFC
1	REV. PER CITY COMMENTS	05/23/25	CFC

DARDANES PROPERTY
CONTACT:
GREGORY DARDANES
948 WILLIAMS STREET
BRUSH 80723

DRAINAGE DETAILS
SPECIAL USE PERMIT
968 NORTH CUSTER STREET
CITY OF BRUSH, MORGAN COUNTY, COLORADO

Dig Safely.
CALL UNCC
THREE WORKING DAYS BEFORE YOU DIG
1-800-922-1987
www.uncc.org
UTILITY NOTIFICATION CENTER OF COLORADO

FOR REVIEW

ONLY VALID FOR CONSTRUCTION IF SEAL & ORIGINAL SIGNATURE ARE ON EACH SHEET

INITIAL PLAN RELEASE: 04/11/25
DESIGNED BY: CFC
DRAWN BY: CFC
CHECKED BY: CFC

PROJECT NO.
01-0259.002.00

DOC CON #
0006-DRNG

SHEET
6 OF 6

T:\0259_002_00-DARDANES\Dwg\CDs\0259-002-WEC-SUP.dwg, 06-DRNG DTL, 5/23/2025 5:27:03 PM, AutoCAD PDF (General Documentation).pc3, ARCH expand D (36.00 x 24.00 Inches), WEC 24*36, WEC 24*36

PROOF OF OWNERSHIP

Current Title Insurance Commitment

EQUITY TITLE OF COLORADO

520 Sherman Street
Fort Morgan, CO 80701
Phone: (970) 867-0515 ● Fax: (970) 867-2246

Date: April 16, 2025
Our File Number: 00057742 SB

C-2 – Updated effective date

Re: Gregory W. Dardanes and Regina A. Dardanes **/** TBD
Property Address: 968 North Custer Street Brush, CO 80723

Escrow Officer: *Title Only*
Title Officer: *Shelly Butt* [redacted] [redacted]

[Delivery List]

Seller:
Gregory W. Dardanes and Regina A. Dardanes

Buyer:
TBD

Copy to:
Western Engineering Consultants, inc LLC
2501 Mill Street
Brush, CO 80723
Attn: Chad Cox
Email: [redacted]
SENT VIA EMAIL

Copy to:
Western Engineering Consultants, inc LLC
2501 Mill Street
Brush, CO 80723
Attn: Chad Morrison
Email: [redacted]
SENT VIA EMAIL

ALTA COMMITMENT FOR TITLE INSURANCE (07-01-2021)
ISSUED BY
Stewart Title Guaranty Company - II

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, Stewart Title Guaranty Company - II, a Texas (the "Company"), commits to issue the Policy according to the terms and provisions of this Commitment. This Commitment is effective as of the Commitment Date shown in Schedule A for each Policy described in Schedule A, only when the Company has entered in Schedule A both the specified dollar amount as the Proposed Amount of Insurance and the name of the Proposed Insured.

If all of the Schedule B, Part I—Requirements have not been met within six months after the Commitment Date, this Commitment terminates and the Company's liability and obligation end.

Countersigned by:

Authorized Countersignature

Equity Title Associates II, LLC
Company Name

Fort Morgan, CO 80701
City, State

STEWART TITLE GUARANTY COMPANY INCORPORATED 1908 TEXAS

Frederick H. Eppinger
President and CEO

David Hisey
Secretary

This page is only a part of a 2021 ALTA Commitment for Title Insurance. 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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COMMITMENT CONDITIONS

1. DEFINITIONS
   a. "Discriminatory Covenant": Any covenant, condition, restriction, or limitation that is unenforceable under applicable law because it illegally discriminates against a class of individuals based on personal characteristics such as race, color, religion, sex, sexual orientation, gender identity, familial status, disability, national origin, or other legally protected class.
   b. "Knowledge" or "Known": Actual knowledge or actual notice, but not constructive notice imparted by the Public Records.
   c. "Land": The land described in Item 5 of Schedule A and improvements located on that land that by law constitute real property. The term "Land" does not include any property beyond that described in Schedule A, nor any right, title, interest, estate, or easement in any abutting street, road, avenue, alley, lane, right-of-way, body of water, or waterway, but does not modify or limit the extent that a right of access to and from the Land is to be insured by the Policy.
   d. "Mortgage": A mortgage, deed of trust, trust deed, security deed, or other real property security instrument, including one evidenced by electronic means authorized by law.
   e. "Policy": Each contract of title insurance, in a form adopted by the American Land Title Association, issued or to be issued by the Company pursuant to this Commitment.
   f. "Proposed Amount of Insurance": Each dollar amount specified in Schedule A as the Proposed Amount of Insurance of each Policy to be issued pursuant to this Commitment.
   g. "Proposed Insured": Each person identified in Schedule A as the Proposed Insured of each Policy to be issued pursuant to this Commitment.
   h. "Public Records": The recording or filing system established under state statutes in effect at the Commitment Date under which a document must be recorded or filed to impart constructive notice of matters relating to the Title to a purchaser for value without Knowledge. The term "Public Records" does not include any other recording or filing system, including any pertaining to environmental protection, planning, permitting, zoning, licensing, building, health, public safety, or national security matters.
   i. "State": The state or commonwealth of the United States within whose exterior boundaries the Land is located. The term "State" also includes the District of Columbia, the Commonwealth of Puerto Rico, the U.S. Virgin Islands, and Guam.
   j. "Title": The estate or interest in the Land identified in Item 3 of Schedule A.

2. If all of the Schedule B, Part I—Requirements have not been met within the time period specified in the Commitment to Issue Policy, this Commitment terminates and the Company's liability and obligation end.

3. The Company's liability and obligation is limited by and this Commitment is not valid without:
   a. the Notice;
   b. the Commitment to Issue Policy;
   c. the Commitment Conditions;
   d. Schedule A;
   e. Schedule B, Part I—Requirements; and
   f. Schedule B, Part II—Exceptions; and
   g. a counter-signature by the Company or its issuing agent that may be in electronic form.

4. COMPANY'S RIGHT TO AMEND

   The Company may amend this Commitment at any time. If the Company amends this Commitment to add a defect, lien, encumbrance, adverse claim, or other matter recorded in the Public Records prior to the Commitment Date, any liability of the Company is limited by Commitment Condition 5. The Company is not liable for any other amendment to this Commitment.

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5. LIMITATIONS OF LIABILITY

   a. The Company's liability under Commitment Condition 4 is limited to the Proposed Insured's actual expense incurred in the interval between the Company's delivery to the Proposed Insured of the Commitment and the delivery of the amended Commitment, resulting from the Proposed Insured's good faith reliance to:
      i. comply with the Schedule B, Part I—Requirements;
      ii. eliminate, with the Company's written consent, any Schedule B, Part II—Exceptions; or
      iii. acquire the Title or create the Mortgage covered by this Commitment.
   b. The Company is not liable under Commitment Condition 5.a. if the Proposed Insured requested the amendment or had Knowledge of the matter and did not notify the Company about it in writing.
   c. The Company is only liable under Commitment Condition 4 if the Proposed Insured would not have incurred the expense had the Commitment included the added matter when the Commitment was first delivered to the Proposed Insured.
   d. The Company's liability does not exceed the lesser of the Proposed Insured's actual expense incurred in good faith and described in Commitment Condition 5.a. or the Proposed Amount of Insurance.
   e. The Company is not liable for the content of the Transaction Identification Data, if any.
   f. The Company is not obligated to issue the Policy referred to in this Commitment unless all of the Schedule B, Part I—Requirements have been met to the satisfaction of the Company.
   g. The Company's liability is further limited by the terms and provisions of the Policy to be issued to the Proposed Insured.

6. LIABILITY OF THE COMPANY MUST BE BASED ON THIS COMMITMENT; CHOICE OF LAW AND CHOICE OF FORUM

   a. Only a Proposed Insured identified in Schedule A, and no other person, may make a claim under this Commitment.
   b. Any claim must be based in contract and is restricted to the terms and provisions of this Commitment.
   c. This Commitment, as last revised, is the exclusive and entire agreement between the parties with respect to the subject matter of this Commitment and supersedes all prior commitment negotiations, representations, and proposals of any kind, whether written or oral, express or implied, relating to the subject matter of this Commitment.
   d. The deletion or modification of any Schedule B, Part II—Exception does not constitute an agreement or obligation to provide coverage beyond the terms and provisions of this Commitment or the Policy.
   e. Any amendment or endorsement to this Commitment must be in writing and authenticated by a person authorized by the Company.
   f. When the Policy is issued, all liability and obligation under this Commitment will end and the Company's only liability will be under the Policy.

7. IF THIS COMMITMENT IS ISSUED BY AN ISSUING AGENT

   The issuing agent is the Company's agent only for the limited purpose of issuing title insurance commitments and policies. The issuing agent is not the Company's agent for the purpose of providing closing or settlement services.

8. PROFORMA POLICY

   The Company may provide, at the request of a Proposed Insured, a proforma policy illustrating the coverage that the Company may provide. A proforma policy neither reflects the status of Title at the time that the proforma policy is delivered to a Proposed Insured, nor is it a commitment to insure.

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9. CLAIMS PROCEDURES

This Commitment incorporates by reference all Conditions for making a claim in the Policy to be issued to the Proposed Insured. This Commitment Condition does not modify the limitations of liability in Commitment Conditions 5 and 6.

10. CLASS ACTION

ALL CLAIMS AND DISPUTES ARISING OUT OF OR RELATING TO THIS COMMITMENT, INCLUDING ANY SERVICE OR OTHER MATTER IN CONNECTION WITH ISSUING THIS COMMITMENT, ANY BREACH OF A COMMITMENT PROVISION, OR ANY OTHER CLAIM OR DISPUTE ARISING OUT OF OR RELATING TO THE TRANSACTION GIVING RISE TO THIS COMMITMENT, MUST BE BROUGHT IN AN INDIVIDUAL CAPACITY. NO PARTY MAY SERVE AS PLAINTIFF, CLASS MEMBER, OR PARTICIPANT IN ANY CLASS OR REPRESENTATIVE PROCEEDING. ANY POLICY ISSUED PURSUANT TO THIS COMMITMENT WILL CONTAIN A CLASS ACTION CONDITION.

11. ARBITRATION

The Policy contains an arbitration clause. All arbitrable matters when the Proposed Amount of Insurance is $2,000,000 or less may be arbitrated at the election of either the Company or the Proposed Insured as the exclusive remedy of the parties. A Proposed Insured may review a copy of the arbitration rules at http://www.alta.org/arbitration.

STEWART TITLE GUARANTY COMPANY - II

All notices required to be given the Company and any statement in writing required to be furnished the Company shall be addressed to it at: Stewart Title Guaranty Company - II, P.O. Box 2029, Houston, Texas 77252-2029.

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Transaction Identification Data, for which the Company assumes no liability as set forth in Commitment Condition 5.e.:

Issuing Agent:	Equity Title Associates II, LLC
Issuing Office:	520 Sherman Street, , Fort Morgan, CO 80701
ALTA® Universal ID:	None
Loan ID Number:	
Issuing Office File Number:	00057742-003-TO3-SB
Property Address:	968 North Custer Street, Brush, CO 80723

SCHEDULE A

AMERICAN LAND TITLE ASSOCIATION COMMITMENT

1. Effective Date: **April 9, 2025**

2. Policy to be issued:

   (a) **None**

   Proposed Insured: **[TBD]**

   Proposed Amount of Insurance: **$0.00**

   The estate or interest to be insured: **[FEE SIMPLE]**

   (b) **None**

   Proposed Insured: **, its successors and/or assigns, as their interests may appear**

   Proposed Amount of Insurance: **$0.00**

   The estate or interest to be insured: **[FEE SIMPLE]**

   (c) None

   Proposed Insured: **[ ]**

   Proposed Amount of Insurance:

   The estate or interest to be insured: **[ ]**

3. The estate or interest in the Land at the Commitment Date is:

   [FEE SIMPLE]

4. The Title is, at the Commitment Date, vested in:

   [Gregory W. Dardanes and Regina A. Dardanes]

5. The Land is described as follows:

   See Exhibit A attached hereto and made a part hereof.

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TITLE PREMIUMS

TBD Commitment Search Fee	$	300.00
TOTAL	$	$ 300.00

This page is only a part of a 2021 ALTA Commitment for Title Insurance. 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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EXHIBIT A
LEGAL DESCRIPTION

All of Lot 7 of CHURCH SUBDIVISION OF MUNN'S ADDITION TO THE TOWN (NOW CITY) OF BRUSH, COLORADO, according to the recorded plat thereof;
EXCEPT the South 25 feet of said Lot 7;
County of Morgan, State of Colorado.

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SCHEDULE B – PART I
REQUIREMENTS

All of the following Requirements must be met:

A. The 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.

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

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

D. 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.

i. [ ]

ii. [ ]

[=clause=]

E. Evidence if any that all assessments for common expenses due under the Declaration referred to in Schedule B, Section 2 contained herein, have been paid.

F. Receipt by the Company of a satisfactory Final Affidavit, executed by Gregory W. Dardanes and Regina A. Dardanes.

G. Receipt by the Company of a satisfactory Final Affidavit, executed by TBD.

H. Payment of all taxes and assessments now due and payable.

END OF SCHEDULE B – Part I

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SCHEDULE B – PART II
EXCEPTIONS

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

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

1. Rights or claims of parties in possession not shown by the public records.
2. Easements or claims of easements, not shown by the public records.
3. Discrepancies, conflicts in boundary lines, shortages in area, encroachments, and any facts which a correct survey and inspection of the premises would disclose and which are not shown by the public records.
4. Any lien, or right to a lien for services, labor or material heretofore or hereafter furnished, imposed by law and not shown by the public records.

   NOTE: Upon receipt of [a satisfactory survey and] [final affidavits], as shown in Schedule B - Section 1, Exceptions 1 through 4 will not appear on the Lender's Policy (if any) to be issued hereunder.
5. Any defect, lien, encumbrance, adverse claim, or other matter that appears for the first time in the Public Records or is created, attaches, or is disclosed between the Commitment Date and the date of which all of the Schedule B, Part I - Requirements are met.

   NOTE: Provided Equity Title Associates II, LLC conducts the closing of this transaction, Exception 5 will be deleted.
6. Taxes and assessments which are a lien or are now due and payable; any tax, special assessment, charge or lien imposed for or by any special taxing district or for water or sewer service; any unredeemed tax sales.

   NOTE: Upon payment of all taxes and assessments now due and payable, as shown in Schedule B - Section 2, Exception 6 will be amended to read as follows: "Taxes and assessments for the year 2024 and subsequent years, a lien, not yet due or payable."
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; (d) Minerals of whatsoever kind, subsurface and surface substances, in, on, under and that may be produced from the Land, together with all rights, privileges, and immunities relating thereto, whether or not the matters excepted under (a), (b), (c) or (d) are shown by the Public Records or listed in Schedule B.
8. Right of way for ditches and canals constructed by the authority of the United States, as reserved in United States Patent recorded August 18, 1887, in Book 18 at Page 94.
9. Right of way for ditches and canals constructed by the authority of the United States, as reserved in State of Colorado Patent recorded March 29, 1907, in Book 32 at Page 51.
10. Right of way and rights incidental thereto for County Roads 30 feet on either side of Section and Township lines as established by the Board of County Commissioners of Morgan County, as set forth in the Order, recorded May 6, 1907, as Reception No. 25157.

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SCHEDULE B
PART II – EXCEPTIONS
(Continued)

11. Terms and conditions as set forth in the Grant of Easement, recorded April 9, 1987, as Reception No. 432900.

12. Easements, notes, covenants, restrictions and rights-of-way as shown on the plat of Munn's Addition, recorded April 27, 1907, in Book 2 at Page 9, as Reception No. 1400041.

13. Easements, notes, covenants, restrictions and rights-of-way as shown on the plat of Church Subdivision of Munn's Addition, recorded March 23, 1948, and re-recorded April 17, 1948, in Book 3 at Page 11, as Reception No. 1400075.

14. The following notices pursuant to CRS 9-1.5-103 concerning underground facilities have been filed with the Clerk and Recorder. These statements are general and do not necessarily give notice of underground facilities within the subject property:

    a.) Mountain Bell Telephone Company recorded October 2, 1981, in Book 821 at Page 502.

    b.) Public Service Company of Colorado recorded October 2, 1981, in Book 821 at Page 514.

    c.) Morgan County REA, recorded January 22, 1982, in Book 825 at Page 656.

END OF SCHEDULE B – PART II

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DISCLOSURES

Pursuant to C.R.S. 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 SHALL BE OBTAINED FROM THE COUNTY TREASURER OR THE COUNTY TREASURER'S AUTHORIZED AGENT;
C. INFORMATION REGARDING SPECIAL DISTRICTS AND THE BOUNDARIES OF SUCH DISTRICTS MAY BE OBTAINED FROM THE BOARD OF COUNTY COMMISSIONERS, THE COUNTY CLERK AND RECORDER, OR THE COUNTY ASSESSOR

Note: Colorado Division of Insurance Regulations 8-1-2, Section 5, Paragraph G 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 Equity Title Associates II, LLC conducts the closing of the insured transaction and is responsible for recording the legal documents from the transaction, exception number 1 will not appear on the Owner's Title Policy and the Lender's Title 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 materialmen for purposes of construction on the land described in Schedule A of this Commitment within the past 6 months.
C. The Company must receive an appropriate affidavit indemnifying the Company against unfiled Mechanic's and Materialmen'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 the 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.

To comply with the provisions of C.R.S. 10-11-123, the Company makes the following disclosure:

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 a substantial likelihood that a third party holds some or all interest in oil, gas, other minerals, or geothermal energy in the property; and
b. That such mineral estate may include the right to enter and use the property without the surface owner's permission.

NOTE: THIS DISCLOSURE APPLIES ONLY IF SCHEDULE B, SECTION 2 OF THE TITLE COMMITMENT HEREIN INCLUDES AN EXCEPTION FOR SEVERED MINERALS.

Notice of Availability of a Closing Protection Letter: Pursuant to Colorado Division of Insurance Regulation 8-1-3, Section 5, Paragraph C (11)(f), a closing protection letter is available to the consumer.

NOTHING HEREIN CONTAINED WILL BE DEEMED TO OBLIGATE THE COMPANY TO PROVIDE ANY OF THE COVERAGES REFERRED TO HEREIN, UNLESS THE ABOVE CONDITIONS ARE FULLY SATISFIED.

Orange Coast Title Family of Companies
PRIVACY POLICY

We are committed to Safeguarding Customer Information
In order to better serve your needs now and in the future, we may ask you to provide us with certain information. We understand that you may be concerned about what we will do with such information – particularly any personal or financial information. We agree that you have a right to know how we will utilize the personal information that you provide to us. Therefore, we have adopted this Privacy Policy to govern the use and handling of your personal information.

Applicability
This Privacy Policy governs our use of the information that you provide to us. It does not govern the manner in which we may use information we have obtained from any other source, such as information obtained from a public record or from another person or entity.

Types of Information
Depending upon which of our services you are utilizing, the types of nonpublic personal information that we may collect include:

- Information we receive from you on applications, forms and in other communications to us, whether in writing, in person, by telephone or any other means;
- Information we receive from providers of services to us, such as appraisers, appraisal management companies, real estate agents and brokers and insurance agencies (this may include the appraised value, purchase price and other details about the property that is the subject of your transaction with us).
- Information about your transactions with us, our Affiliated Companies, or others; and
- Information we receive from a consumer reporting agency.

Your California Rights (see attachments) or you may visit our website at https://www.titleadvantage.com/privacypolicy.htm or call toll-free at (866) 241-7373. *Only applies to CA residents*

Use of Information
We request information from you for our own legitimate business purposes and not for the benefit of any nonaffiliated party. Therefore, we will not release your information to nonaffiliated parties except: (1) as necessary for us to provide the product or service you have requested of us; or (2) as permitted by law. We may, however, store such information indefinitely, including the period after which any customer relationship has ceased. Such information may be used for any internal purpose, such as quality control efforts or customer analysis.

Former Customers

Even if you are no longer our customer, our Privacy Policy will continue to apply to you.

Confidentiality and Security
We will use our best efforts to ensure that no unauthorized parties have access to any of your information. We restrict access to nonpublic personal information about you to those individuals and entities who need to know that information to provide products or services to you. We will use our best efforts to train and oversee our employees and agents to ensure that your information will be handled responsibly and in accordance with this Privacy Policy. We currently maintain physical, electronic, and procedural safeguards that comply with federal regulations to guard your nonpublic personal information.

Other Important Information
We reserve the right to modify or supplement this Privacy Policy at any time. If our Privacy Policy changes, we will post the updated Privacy Policy on our website and provide the ability to opt out (as required by law) before the new policy becomes effective.

If you have any questions or comments regarding our Privacy Policy you may contact us at our toll free number (866) 241-7373 or email us at dataprivacy@octitle .com.

Privacy Policy Last Revision 12/26/2019
Effective on 1/1/2020

Your California Rights

If you are a California resident, you may have certain rights under California law, including but not limited to the California Consumer Privacy Act ("CCPA"). All phrases used herein shall have the same meaning as those phrases used under relevant California law, including but not limited to the CCPA.

Right to Know
You have the right to know:

- The categories of personal information we have collected about or from you;
- The categories of sources from which we collected your personal information;
- The business or commercial purpose for collecting or sharing your personal information;
- The categories of third parties with whom we have shared your personal information; and
- The specific pieces of your personal information we have collected.

Process to Submit a Request. To submit a verified request for this information you may visit our website at https://www.titleadvantage.com/privacypolicy.htm or call toll-free at (866) 241-7373. You may also designate an authorized agent to submit a request on your behalf by visiting our website https://www.titleadvantage.com/privacypolicy.htm or calling toll-free at (866) 241-7373 and then also submitting written proof of such authorization via e-mail to dataprivacy@octitle .com.

Verification Method. In order to ensure your personal information is not disclosed to unauthorized parties, and to protect against fraud, we will verify your identity before responding to your request. To verify your identity, we will generally match the identifying information provided in your request with the information we have on file about you. Depending on the sensitivity of the personal information requested, we may also utilize more stringent verification methods to verify your identity, including but not limited to requesting additional information from you and/or requiring you to sign a declaration under penalty of perjury.

Right of Deletion
You have a right to request that we delete the personal information we have collected from or about you.

Process to Submit a Request. To submit a verified request to delete your information you may visit our website at https://www.titleadvantage.com/privacypolicy.htm or call toll-free at (866) 241-7373. You may also designate an authorized agent to submit a request on your behalf by clicking here or calling toll-free at (866) 241-7373 and then also submitting written proof of such authorization via e-mail to dataprivacy@octitle .com.

Verification Method. In order to ensure we do not inadvertently delete your personal information based on a fraudulent request, we will verify your identity before we respond to your request. To verify your identity, we will generally match the identifying information provided in your request with the information we have on file about you. Depending on the sensitivity of the personal information requested to be deleted, we may also utilize more stringent verification methods to verify your identity, including but not limited to requesting additional information from you and/or requiring you to sign a declaration under penalty of perjury.

Right to Opt-Out
We do not sell your personal information to third parties, and do not plan to do so in the future.

Right of Non-Discrimination
You have a right to exercise your rights under the CCPA without suffering discrimination. Accordingly, OC Title & family of Companies will not discriminate against you in any way if you choose to exercise your rights under the CCPA.

California Minors
If you are a California resident under the age of 18, California Business and Professions Code § 22581 permits you to request and obtain removal of content or information you have publicly posted on any of our Applications or Websites. To make such a request, please send an email with a detailed description of the specific content or information to dataprivacy@octitle .com. Please be aware that such a request does not ensure complete or comprehensive removal of the content or information you have posted and there may be circumstances in which the law does not require or allow removal even if requested.

Collection Notice
The following is a list of the categories of personal information we may have collected about California residents in the twelve months preceding the date this Privacy Notice was last updated, including the business or commercial purpose for said collection, the categories of sources from which we may have collected the personal information, and the categories of third parties with whom we may have shared the personal information:

Categories of Personal Information Collected
The categories of personal information we have collected include, but may not be limited to:

- real name
- signature
- alias
- SSN
- physical characteristics or description, including
- protected characteristics under federal or state law
- address
- telephone number
- passport number
- driver's license number
- state identification card number
- IP address
- policy number
- file number
- employment history
- bank account number

- credit card number
- debit card number
- financial account numbers
- commercial information
- professional or employment information

Categories of Sources
Categories of sources from which we've collected personal information include, but may not be limited to:
- the consumer directly
- public records
- governmental entities
- non-affiliated third parties
- affiliated third parties

Business Purpose for Collection
The business purposes for which we've collected personal information include, but may not be limited to:
- completing a transaction for our Products
- verifying eligibility for employment
- facilitating employment
- performing services on behalf of affiliated and non-affiliated third parties
- protecting against malicious, deceptive, fraudulent, or illegal activity

Categories of Third Parties Shared
The categories of third parties with whom we've shared personal information include, but may not be limited to:
- service providers
- government entities
- operating systems and platforms
- non-affiliated third parties
- affiliated third parties

Sale Notice
We have not sold the personal information of California residents to any third party in the twelve months preceding the date this Privacy Notice was last updated, and we have no plans to sell such information in the future. We also do not, and will not sell the personal information of minors under sixteen years of age without affirmative authorization.

Disclosure Notice
The following is a list of the categories of personal information of California residents we may have disclosed for a business purpose in the twelve months preceding the date this Privacy Notice was last updated.
- real name
- Signature
- Alias
- SSN
- physical characteristics or description, including protected characteristics under federal or state law
- address
- telephone number
- passport number
- driver's license number
- state identification card number
- IP address
- policy number
- file number
- employment history
- bank account number
- credit card number
- debit card number
- financial account numbers
- commercial information
- professional or employment information

If you have any questions and/or comments you may contact us:

Call Us at our toll free number (866) 241-7373
Email Us at dataprivacy@octitle .com

Revised on 1/24/2020 / Effective on 1/1/2020

STG Privacy Notice 1 (Rev 01/26/09) Stewart Title Companies

WHAT DO THE STEWART TITLE COMPANIES DO WITH YOUR PERSONAL INFORMATION?

Federal and applicable state law and regulations give consumers the right to limit some but not all sharing. Federal and applicable state law regulations also require us to tell you how we collect, share, and protect your personal information. Please read this notice carefully to understand how we use your personal information. This privacy notice is distributed on behalf of the Stewart Title Guaranty Company - II and its affiliates (the Stewart Title Companies), pursuant to Title V of the Gramm-Leach-Bliley Act (GLBA).

The types of personal information we collect and share depend on the product or service that you have sought through us. This information can include social security numbers and driver's license number.

All financial companies, such as the Stewart Title Companies, need to share customers' personal information to run their everyday business—to process transactions and maintain customer accounts. In the section below, we list the reasons that we can share customers' personal information; the reasons that we choose to share; and whether you can limit this sharing.

Reasons we can share your personal information	Do we share?	Can you limit this sharing?
For our everyday business purposes— to process your transactions and maintain your account. This may include running the business and managing customer accounts, such as processing transactions, mailing, and auditing services, and responding to court orders and legal investigations.	Yes	No
For our marketing purposes— to offer our products and services to you.	Yes	No
For joint marketing with other financial companies	No	We don't share
For our affiliates' everyday business purposes— information about your transactions and experiences. Affiliates are companies related by common ownership or control. They can be financial and nonfinancial companies. *Our affiliates may include companies with a Stewart name; financial companies, such as Stewart Title Company*	Yes	No
For our affiliates' everyday business purposes— information about your creditworthiness.	No	We don't share
For our affiliates to market to you	Yes	No
For nonaffiliates to market to you. Nonaffiliates are companies not related by common ownership or control. They can be financial and nonfinancial companies.	No	We don't share

We may disclose your personal information to our affiliates or to nonaffiliates as permitted by law. If you request a transaction with a nonaffiliate, such as a third party insurance company, we will disclose your personal information to that nonaffiliate. We do not control their subsequent use of information, and suggest you refer to their privacy notices.

Sharing practices	
How often do the Stewart Title Companies notify me about their practices?	We must notify you about our sharing practices when you request a transaction.
How do the Stewart Title Companies protect my personal information?	To protect your personal information from unauthorized access and use, we use security measures that comply with federal and state law. These measures include computer, file, and building safeguards.
How do the Stewart Title Companies collect my personal information?	We collect your personal information, for example, when you • request insurance-related services • provide such information to us We also collect your personal information from others, such as the real estate agent or lender involved in your transaction, credit reporting agencies, affiliates or other companies.
What sharing can I limit?	Although federal and state law give you the right to limit sharing (e.g., opt out) in certain instances, we do not share your personal information in those instances.

Contact Us	If you have any questions about this privacy notice, please contact us at: Stewart Title Guaranty Company - II, 1980 Post Oak Blvd., Privacy Officer, Houston, Texas 77056

File No.: 00057742-003-TO3

THIS ADDENDUM IS MADE PART OF THE POLICY AND IS PERMANENTLY AFFIXED HERETO

COLORADO ANTI-FRAUD DISCLOSURE
PURSUANT TO C.R.S. 10-1-128 (6)

"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."

UTILITY / ACCESS

Wastewater

Electric

Driveway

CITY OF BRUSH!
P.O. BOX 363 970-842-5001
BRUSH, CO 80723

RETURN SERVICE REQUESTED

CUSTOMER #

DAR0007

DATE DUE

AMOUNT DUE

177.00

GREGORY DARDANES

968 N. CUSTER

PLEASE RETURN THIS PORTION WITH PAYMENT

P.O. BOX 363 • BRUSH, CO • 970-842-5001

FIRST CLASS MAIL
U.S. POSTAGE
PERMIT NO. 2
BRUSH, CO

CUSTOMER #

DAR0007

Location # 2452001

Service Addr: 968 N. CUSTER

CARDBOARD, SINGLE STREAM
AND GLASS RECYLING DROP
OFF SITE AVAILABLE AT 600

SERVICE PERIOD 08/31/24 - 09/30/24

WASTE WATER	88.50
Previous Balance	88.50
Last Pmt 08/23/24	88.50

PAY

177.00

GREGORY DARDANES
948 WILLIAMS
BRUSH CO 80723

Xcel Energy®

SERVICE ADDRESS	ACCOUNT NUMBER		DUE DATE
VINCE VILLAREAL 968 N CUSTER ST BRUSH, CO 80723-3012	53-0014141101-7		11/12/2024
	STATEMENT NUMBER	STATEMENT DATE	CREDIT AMOUNT
	899736782	10/22/2024	-$17.55 CR

WANT HELP MANAGING YOUR ENERGY BILL?

Let us help. From bill stabilization, to payment assistance, and checking your usage rates, we have solutions that are right just for you.

Find out more at xcelenergy.com/WaysToSave.

METER READING INFORMATION

METER 3088097 Read Dates: 09/23/24 - 10/22/24 (29 Days)

DESCRIPTION	CURRENT READING	PREVIOUS READING	USAGE
Total Energy	724 Actual	706 Actual	18 ccf

NATURAL GAS ADJUSTMENTS

DESCRIPTION	VALUE UNITS	CONVERSION	VALUE UNITS
Therm Multiplier	18 ccf	x 0.942633	**17** therms

NATURAL GAS CHARGES

RATE: RG Residential

DESCRIPTION	USAGE UNITS	RATE	CHARGE
Service & Facility			$11.00
Usage Charge	17 therms	$0.317170	$5.39
Interstate Pipeline	3.48 therms	$0.056600	$0.20
Interstate Pipeline	13.52 therms	$0.057500	$0.78
Natural Gas Q3	3.48 therms	$0.315000	$1.10
Demand Side Mgmt			$1.07
Natural Gas Q4	13.52 therms	$0.304900	$4.12
EGCRR	17 therms	$0.072210	$1.23
GRSA			$0.00
Total			$24.89

OTHER RECURRING CHARGES DETAILS

INVOICE NUMBER: 1139920731
ADDRESS: 968 N CUSTER ST
BRUSH, CO 80723-3012

DESCRIPTION	USAGE UNITS	UNIT CHARGE	QTY	CHARGE
Install Number 55966 09/22/24 to 10/20/24 UNINCORPORATED STREET LIGHTING				
Street Lights	6 kWh	$2.16	1	$2.16
Trans Cost Adj				$0.01
ECA Q3				$0.05
ECA Q4				$0.13
Demand Side Mgmt				$0.02
Purch Cap Cost Adj				$0.01
Renew. Energy Std Adj				$0.02
Colo Energy Plan Adj				$0.02
Total				**$2.42**

NON-RECURRING CHARGES / CREDITS DETAILS

DESCRIPTION		CHARGE
PSCO Electricity Affordability Credit	Premise # 301017032	-$64.28 **CR**
PSCO Gas Affordability Credit	Premise # 301017032	-$9.92 **CR**
Total		**-$74.20 CR**

017406 2/5
10/22/2024
53 0014141101-7

Xcel Energy®

SERVICE ADDRESS	ACCOUNT NUMBER		DUE DATE
VINCE VILLAREAL 968 N CUSTER ST BRUSH, CO 80723-3012	53-0014141101-7		11/12/2024
	STATEMENT NUMBER	STATEMENT DATE	CREDIT AMOUNT
	899736782	10/22/2024	-$17.55 CR

INFORMATION ABOUT YOUR BILL

The Energy Assistance Charge is required by state law to fund programs that help income-qualified Coloradans pay their utility bills. This is reflected on your monthly bill (81 cents for electric service and 81 cents natural gas service). You may opt out of these charges by calling 800-895-4999. Find out how to get help at 866-HEAT-HELP (866-432-8435). See the back of your bill for details.

ENROLL IN AUTO PAY

NO LATE FEES, NO WORRIES.

With Auto Pay, payments post to your Xcel Energy account on the due date.

Automated Bank Payments appear on your billing statement to ensure your enrollment is in effect.

To enroll in Auto Pay online, visit xcelenergy.com/AutoPay, or scan the QR code to visit our Auto Pay enrollment page. For more information call 800-895-4999.

Xcel Energy®

SERVICE ADDRESS	ACCOUNT NUMBER		DUE DATE
VINCE VILLAREAL 968 N CUSTER ST BRUSH, CO 80723-3012	53-0014141101-7		11/12/2024
	STATEMENT NUMBER	STATEMENT DATE	CREDIT AMOUNT
	899736782	10/22/2024	-$17.55 CR

There's always time to save energy and money

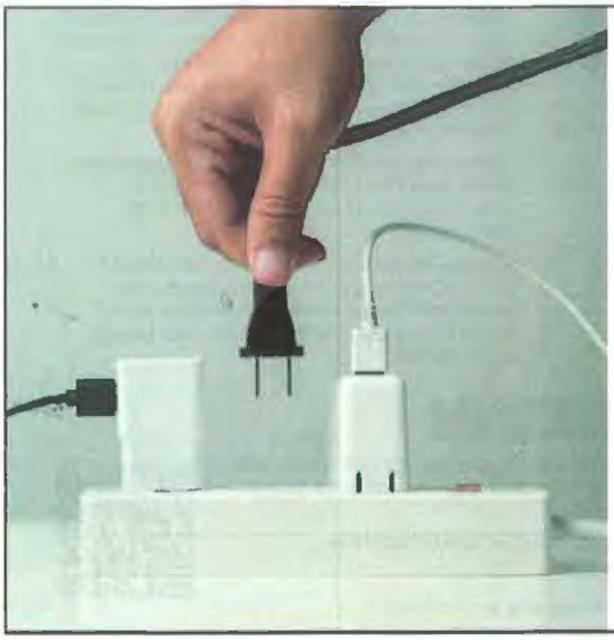
Winter is right around the corner, and now is the time to get your home ready for the heating season. Staying warm and cozy at home can increase your energy bills, but luckily it doesn't have to. Simply upgrade to energy-efficient heating equipment around your home and keep those winter energy bills low.

Visit xcelenergy.com for seasonal efficiency tips and to learn more about Xcel Energy's energy efficiency programs.

STAY AWAY. STAY SAFE.

Always assume that electric lines and equipment are energized, even if they do not appear to be "live". Stay at least 25 feet away from downed lines.

Learn more at xcelenergy.com/Safety.



WE ALL HAVE OUR GHOSTS. THEY'RE CALLED PHANTOM POWER.

Phantom power is the drain that electronics, like a computer, have on energy even while they're powered off. So unplug, or use a power strip.

017406 3/5

10/22/2024

53-0014141101-7

SAFETY REMINDERS (Available 24 hours, 7 days a week)

Electric Emergencies: **800-895-1999** Natural Gas Emergencies: **800-895-2999** Call Before You Dig: **811**

CONVENIENT WAYS TO PAY YOUR BILL

Standard Payment Options (no fees apply):

- **My Account:** View and pay your bill using our mobile app, see your energy use and access your account information.
- **Auto Pay:** Automatically pay your bill directly from your bank account.
- **Pay Online:** View and pay your bill online using MyCheckFree.
- **Pay by Phone:** Make your payment from your checking or savings account with a phone call to **800-895-4999**.
- **Pay by Mail:** Return the enclosed pre-addressed envelope to **Xcel Energy, PO Box 660553, Dallas, TX 75266-0553**. Include the attached bill stub for faster processing along with your payment. Apply proper postage.

Electronic Check Conversion: When you provide a check as payment, you authorize us either to use information from your check to make a one-time electronic fund transfer from your account or to process the payment as a check transaction.

Other Payment Options
Third-Party processing fees will apply. Xcel Energy does not collect or benefit from these fees:

- **Credit/Debit Card Payment:** To pay with your card, use **MyAccount** or **eBill** or call **833-660-1365**.
- **Pay Stations:** Visit **xcelenergy.com/Billing** to find an in-person location near you.

GLOSSARY

Colorado Energy Plan Adjustment (Colo Energy Plan Adj): funds voluntary early retirement for Xcel Energy's coal-fired power plants as part of our plan to cut carbon emissions by 2030 and provide net-zero energy by 2050.

Demand Charge: recovers costs to produce and deliver power to you, including the costs of poles and wires, transmission and distribution facilities in the power grid.

Demand Peak Day Quantity (or Demand PDQ): this charge is for large commercial and industrial customers only. It's a measurement of their highest daily use of electricity during a monthly billing cycle.

Demand-Side Management Cost Adjustment (Demand Side Mgmt): recovers costs of energy efficiency and conservation programs that encourage customers to reduce their energy use. If you receive electricity and natural gas from us you will see two charges.

Energy Assistance Charge: Required by House Bill 21-1105, we collect and remit this monthly charge to Energy Outreach Colorado for bill assistance for income-qualified customers. If you receive electricity and natural gas from us you will see two charges. If you're struggling to pay your utility bills, you might qualify for exemption from a monthly charge related to energy assistance and be eligible for utility bill payment assistance. Please call 1-866-HEAT-HELP to see if you qualify. You may request to opt out of this charge by calling 800-895-4999.

Si tiene dificultades para pagar sus facturas de energía , es posible que reuna los requisitos para recibir asistencia para pagar sus facturas y que sea eligible para la excencion del cargo por asistencia energetica Llame al 1-866-HEAT-HELP (1-866-432-8435) para ver si califica para recibir asistencia.

Electric Commodity Adjustment (ECA): recovers the cost of fuel used to generate the electricity you use. We pass on the wholesale cost to customers without a markup. Costs are adjusted on a quarterly basis to reflect market conditions.

Energy Charge: the variable costs of producing energy not collected through quarterly commodity adjustments.

Extraordinary Gas Cost Recovery Rider (EGCRR): recovers the market cost of natural gas delivered to Colorado customers during Winter Storm Uri (February 2021). It will appear on bills for 30 months from August 2022 to January 2025. If you also receive natural gas service from us, you will see two EGCRR charges on your bill.

Franchise Fee: this surcharge pays cities and counties for the right to use public streets to provide utility services. We collect the surcharges and pass them to your city and county.

Gas Cost Adjustment (Gas Cost Adj): recovers the cost of natural gas purchased and delivered to you, including natural gas fuel, upstream transportation and storage services. We pass on the wholesale cost to customers without a markup. Costs are adjusted on a quarterly basis to reflect market conditions.

General Rates: your base rate charge, which includes the Service and Facility Charge, metering charges, a Demand Charge (if applicable), plus either an Energy Charge for electric service or the Usage Charge for gas service, as applicable.

General Rate Schedule Adjustments (GRSA): a percentage amount of your bill calculated for base rate charges, including the Service and Facility Charge, the Energy or Usage Charge and the Demand or Capacity Charge. The adjustment can be positive or negative and is applied to your electric and/or natural gas bill.

GRSA-Energy (GRSA-E): explained above, applied as dollars per kilowatt hour. For electric bills, this is applied to residential and small commercial customers.

GRSA- Pipeline System Integrity Adjustment (GRSA-P): recovers the cost of natural gas pipeline safety programs and initiatives.

Interstate Pipeline: reflects Xcel Energy's payments to interstate pipelines and storage facility operators to deliver natural gas into Xcel Energy's gas system. The Federal Energy Regulatory Commission regulates these upstream services and the rates charged to Xcel Energy.

Kilowatt Hour (kWh): Measures the amount of electricity you use.

Late Payment Charge: we assess a late payment charge on any unpaid balance exceeding $50.00. For residential customers, a late payment charge of 1% per month is applied. For commercial customers, a 1.5% late payment charge will be assessed.

Load Meter Charge: a flat monthly charge for those with customer-owned generation in parallel with Xcel Energy's system. This fee is for the cost of the meter needed for these accounts.

Natural Gas: reflects our cost to purchase natural gas fuel at market prices as approved by the Colorado Public Utilities Commission.

Production Meter Charge: a flat monthly charge for customers who have on-site power generation, like rooftop solar, and are connected to Xcel Energy's system. This fee is for the cost of the meter needed for these accounts.

Purchased Capacity Cost Adjustment (Purchased Cap Cost Adj): the cost to purchase electric generation from other suppliers.

Renewable Energy Standard Adjustment (Renew Energy Std Adj): a base rate charge which represents 1% of an electric bill and funds renewable energy programs as required by Colorado law under which utilities must generate or purchase increasing portions of their electricity from sun, wind or biomass.

Revenue Decoupling Adjustment: supports a program designed to encourage conservation without penalizing the energy provider for the reduction of electricity use. Adjusted quarterly, customers will either see a bill credit or a surcharge not to exceed 3% of your overall bill.

Service & Facility Charge: a flat monthly charge for the meter on your home, having the meter read, billing support and customer service needs.

Time-of-Use Rates: electricity use charges for customers on our time-differentiated pricing plan. Electricity pricing varies depending on when you use it. The On-Peak period is 3–7 p.m., weekdays except holidays; Mid-Peak is 1–3 p.m., weekdays except holidays; Off-Peak is all other hours.

Therm: Measures your natural gas use. One therm is equal to 100 cubic feet of natural gas. A dekatherm is 10 therms.

Therm Multiplier: natural gas usage is measured in therms. This is the conversion from the volume of natural gas (cubic feet) to energy use (therms).

Transmission Cost Adjustment (Trans Cost Adj): recovers transmission investments for infrastructure to carry electricity from a power plant to your home and business that results in a net increase in transmission capacity or are part of an approved Wildfire Mitigation Plan.

Transportation Electrification Plan Adjustment (Trans Elec Plan): funds programs to and to help customers unlock the benefits of electric transportation.

Usage Charge: this charge covers the costs for providing natural gas service, including moving natural gas through pipelines and storage to your home or business, that are not recovered through other charges.

RESOURCES TO BETTER UNDERSTAND YOUR BILL

Find more information online about ways to pay and manage your bill, how to read your bill, energy assistance programs and more. Bills are even easier online. Go paperless. Download our Mobile App to manage your bill with ease and when you're on the go. Available now in the Apple Store and in Google Play.

Billing summary note: depending on the date your bill was calculated, you may see a line item included twice, showing different quarterly adjustments.

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Approved Driveway Access Permit

Morgan County, Colorado

Driveway Access Code:	**DRVS.20-0.147-S-27.5**			**Date:**	**4-17-25**
Property Owner (Permittee):					
Name:	**Gregory & Regina Dardanes**				
Address:	**948 Williams St.**				
Address:					
City:	**Brush**	**State:**	**CO**	**Zip Code:**	**80723**
Phone:	[redacted]	**Email:**	[redacted]		
Agent of Property Owner (If Applicable)					
Name:	**Western Engineering Consultants Inc LLC (Chadwin Cox)**				
Address:	**127 S. Denver Ave.**				
Address:					
City:	**Fort Lupton**	**State:**	**CO**	**Zip Code:**	**80621**
Phone:	[redacted]	**Email:**	[redacted]		
Parcel Number:	**103734417009**				
Legal Description:	**Subd: CHURCH SUB OF MUNNS ADD, BR (34-4-56) Lot:07 N91.4FT LT 7**				
GPS Coordinates at the Centerline of Driveway:		**Latitude:**	**40.265183**		
		Longitude:	**-103.628520**		
Access onto County Road:	**MCR S.20**	**Cotton St.**			
Driveway Type:	**X**	**New**		**Existing**	
Maximum Width of Approved Driveway is: 40		**FEET**			
Culvert Required:	**X**	**No**		**Yes**	***If Yes, Required Size is:***

If a culvert is not required at the time of permit issuance but future conditions deem one necessary, the cost of said culvert may be at the property owner's expense.

The above identified driveway has been approved by Morgan County Road and Bridge Department pursuant to all terms and conditions outlined in the Application for Driveway Access Permit are adhered to. Failure to comply with these term and conditions may result in this permit being revoked and/or the driveway being removed at permittee's expense. This permit is valid only for the one driveway access identified above. Construction of said driveway may proceed.

Morgan County, Colorado
Public Works Department

James Rehn — *Authorized Morgan County Agent Signature*

4-17-25
Date

Application for Driveway Access Permit
Morgan County, Colorado

Instructions for Completing and Submitting Application

1. Property Owner (Permittee): Please provide the full name, mailing address, telephone number and email address *(if available)* of the legal property owner. The provided telephone number should be one where the Permittee can be reached during business hours Monday through Friday, 8:00 a.m. to 4:00 p.m. MDT.

2. Agent of Permittee: If the applicant *(person or company completing this application)* is different from the legal property owner *(Permittee)*, provide entity name *(if applicable)*, the full name of the person serving as the agent, mailing address, telephone number, and email address *(if available)*. The provided telephone number should be one where the Agent can be reached during business hours Monday through Friday, 8:00 a.m. to 4:00 p.m. MDT. *Please provide documentation you are an agent of property owner.*

3. Legal Description of property: Provide the legal description to the full extent that applies for the property to be accessed by the requested driveway. Include the Assessor parcel number. This information is available through the County Assessor or Clerk and Recorders office or on your property deed(s).

4. Road Access: Complete the information on the County Road that will be accessed by this proposed driveway.

5. New or Existing Driveway: Complete the information for the driveway type.
   New Driveways:
   - In determining location for the proposed driveway, take into account: line of site distances, relationship to road intersections, and relationship to crests of hills.
   - Please indicate the desired width of the new requested driveway.
   - If possible, provide a map showing the desired location of the proposed driveway.
   - ***The proposed area for the new driveway must be clearly marked with flagged stakes on each side of the proposed area.*** *Please have the location marked as indicated prior to submitting application.*

6. Initial the bottom of page two (2) in the provided location indicating that you have read and understand the terms and conditions.

7. Signature Section must be signed and dated by the property owner or agent. *Applications will not be processed until they are fully completed, initialed, signed and submitted, along with any additional required documents.*

8. Submittal of Application: Please submit application and all corresponding paperwork to:
   By mail or in person: Morgan County Road and Bridge Department
   P.O. Box 516
   17303 County Road S
   Fort Morgan, CO 80701
   By Email to: rbmorganc@co.morgan.co.us

Application for Driveway Access Permit
Morgan County, Colorado

Terms and Conditions

1. The granting of this permit application is for one (1) property access across the county right of way onto a county road. The access must not exceed the approved width defined on the approved permit. Additional accesses crossing the right of way must be applied for separately.
2. If this access is to be onto an access/travelling easement, then a copy of the easement, recorded plat or use agreement must accompany this application.
3. The granting of a driveway access permit by Morgan County is only for the purpose of crossing the right of way under the counties jurisdiction. It is the permittee's responsibility to identify and obtain permissions to cross any other easements, covenants, right of ways or private agreements that may exist.
4. If the access request is onto any Federal or State lands, you must provide the names and contact information for the relevant agencies and attach a copy of the authorization for the property use.
5. All property owners/agents are responsible for any damages that may occur to the county road or right of way during installation of said driveway.
6. The construction and all costs associated with the construction of the driveway are the responsibility of the property owner/agent. The construction cannot exceed the defined width and must include any specified culverts required as defined in the approved permit. Culverts may be purchased from anywhere, however they must be approved by the county prior to installation. Culverts may also be purchased from Morgan County Road and Bridge.
7. If a culvert is required, it is for use by Morgan County to protect the road and right of way. Morgan County retains the right to utilize the culvert in any way it deems necessary.
8. If a culvert is not required at the time of permit issuance, however, in the future a culvert is deemed necessary, the cost of said culvert may be at the property owner's expense.
9. Inside the county right of way, the driveway may only consist of the travelling surface to access the property. No other structures or appurtenances may be placed in the right of way *(examples: columns, walls, fencing, large rocks, etc.)*. The only exception to this requirement is mailboxes.
10. During the construction of an approved driveway, it is the responsibility of the property owner/agent and/or their contractor to insure safety to the travelling public. This could include the use of signs, cones and/or traffic control as necessary.
11. All repairs, maintenance and costs associated with said driveway are the responsibility of the property owner/agent.
12. Morgan County is not responsible for any damages to the driveway caused by normal maintenance operations, including but not limited to mowing, grading, and snowplowing.
13. The property owner/agent agrees to hold harmless, indemnify, and defend Morgan County from any claim of any person arising from the installation, use, maintenance, or removal of the driveway in the county right of way.
14. The terms, conditions and requirements defined in this application and subsequent approved permit will remain valid through any future sales, transfer of ownership or assignments of the property defined in this driveway application.

RD *Please Initial that you have read and understand the terms and conditions outlined on this page.*

Application for Driveway Access Permit
Morgan County, Colorado

1. **Property Owner** *(Permittee)*:
   Name: Gregory & Regina Bardavs
   Address: 948 W. Illinois St
   City/State/Zip Code: Brush CO 80723
   Phone [redacted] Email: [redacted]
2. **Agent of Property Owner** *(If Applicable)*
   Company/Individual Name: Western Engineering Consultants inc LLC
   Contact Name *(If Applicable)* Chadwin Cox
   Address: 127 S. Denver Ave.
   City/State/Zip Code: Fort Lupton, CO. 80621
   Phone [redacted] Email: [redacted]
3. **Legal Description:**
   All of Lot 7 of CHURCH SUBDIVISION OF MUNN'S ADDITION TO THE TOWN (NOW CITY) OF BRUSH, COLORADO, according to the recorded plat thereof;
   EXCEPT the South 25 feet of said Lot 7; County of Morgan, State of Colorado.
   Parcel Number: 103734417009
4. **Road Access:**
   Access onto ~~County Road~~ Cotton Street *(Circle Direction)* North / South / East / West of ~~County Road~~ N. Custer St.
5. **Driveway Type:** *(Check One)* **New Driveway ✓ Existing Driveway ____
   Desired width of New Driveway 24 Feet.
   ****If this is a new driveway location, please place flagged stake marker on each side of the requested driveway location.**

I have read the Instructions, terms and conditions outlined in this Driveway Access Permit Application, and agree to all terms and conditions outlined therein, furthermore, I understand no liability is assumed by the County of Morgan, Colorado or its agents by issuance of a permit for this application and all costs, present and future, associated with the access provided by an Approved Driveway Access Permit are the responsibility of the property owner/agent and or any future assignees. The applicant declares the information provided are true and complete to the best of their knowledge.

Property Owner/Agent Signature — Date: 10/3/24

Submit Completed Application and All Supporting Documents to:
Morgan County Road and Bridge Department
P.O. Box 516
17303 County Road S
Fort Morgan, CO 80701
Or by Email to: rbmorganc@co.morgan.co.us
Phone: (970) 542-3560 Fax: (970) 542-3569

For Office Use only below this line

Determination: X Approved ____ Denied *(Reason for Denial)*: ____

GPS Coordinates, Centerline of Driveway in relation to road: Latitude: 40.265183

Maximum Width of Driveway: 40 Feet Longitude: -103.628520

Culvert Required: *YES / NO* *If Yes*, Size: ____

Closest Intersecting Road 27.5 Measurement from Closest Intersecting Road 775 Feet

Driveway Access Code: DRVS.20-0.147-S-27.5

Completed By: [signature] Date: 4-17-25

Parcel Number: 1037-344-17-009 Account Number: R003029

Property

Address

968 N CUSTER ST
BRUSH, CO 80723

Physical

Acres: 0 Land Sq Ft: 100,650

Property Class: SINGLE FAMILY - LAND, SINGLE FAMILY - IMPS

Zoning

Planning: RR
Assessor: 1112, 1212

Value

	Assessed	Actual
Land:	$1,880	$28,130
Imp:	$8,540	$127,520

Legal Description

Block: Lot: 7
PLSS:
Boundary: NULL
Legal: Subd: CHURCH SUB OF MUNNS ADD, BR (34-4-56) Lot: 07 N91.4FT LT 7

Owner

Name: DARDANES, GREGORY W & REGINA A
Address: 948 WILLIAMS ST
BRUSH, CO 80723

District 5

Taxing Authorities

School District: School District RE-2
Fire Protection District: Brush Fire
Water Districts: Munn's Colorado Water, Lower South Platte Water, Northern Colorado Water
Special Districts:

Voting Districts

House District: 63 Congressional District: 4 Precinct: 15
Sentate District 1 Commissioner District: 3 Town: --

Other

Subdivision: Subd: CHURCH SUB OF MU Neighborhood: BRUSH 209 Condo:

Sales

Most Recent Sale

Sale Date: 8/29/2005 Document Type: PERSONAL REP Deed Type: PRJT
Sale Price: 30000 Document Number: 829891
Grantor: MELVIN, KENT E
Grantee: DARDANES, GREGORY W & REGINA A
Remarks: NULL

ADDITIONAL APPLICATION INFORMATION

Drainage Narrative

Mineral Notification

Statement of Taxes

WESTERN ENGINEERING CONSULTANTS, Inc LLC
127 S. Denver Avenue, Ft. Lupton CO 80621
2501 Mill St. Brush, CO 80723
Ph. [redacted] Fax 720-294-1330
Email: [redacted]

May 23, 2025

Morgan County Planning
Zoning and Building Dept.
231 Ensign, PO Box 596
Fort Morgan, CO. 80701

RE: DARDANES 968 N. CUSTER STREET SPECIAL USE PERMIT - DRAINAGE NARRATIVE

Morgan County Planning Department:

Western Engineering Consultants Inc. LLC (WEC) has prepared this Drainage Narrative Letter in order to briefly discuss the existing and proposed drainage conditions for the Dardanes property at 968 N. Custer Street in the City of Brush.

Attached to this letter are the following:

- Vicinity Map
- FEMA Firmette
- WEC Rational Method runoff calcs
- WEC FHAD Site, Grading, & Drainage plans

FLOODPLAIN
The Dardanes property is located within a FEMA designated Zone AE floodplain with base flood elevations (BFEs). The FEMA FIRM map (panel 08087C0469D) became effective on April 04, 2018 and is attached to this letter.

PARCEL DESCRIPTION
The overall property entails approximately 0.41 acres and is bound by N Custer Street to the east, Cotton Street to the north, and residential properties to the west and south. Mill Street lies approximately 1,200 feet to the south and Interstate I-76 lies approximately 1,300 feet to the north. This property is identified as Morgan County Parcel 103734417009 which lies in the Southeast ¼ of Section 34, T4N, R56W.

The existing parcel contains an existing residence along the east side and an existing structure that is to be removed as part of this project.

HISTORIC / EXISTING DRAINAGE DESCRIPTION
The site has been mapped as a single historic basin.

Historically, the site drained roughly from east to west at approximately 2.0% (per USGS Quad Map Brush West). The runoff calculated for the 0.413 acre Historic Basin is 0.05 cfs and 1.08 cfs for the minor (5yr) and major (100yr) storm events, respectively.

The site was mapped as two Existing Basins (EX W and EX E).

Basin EX W contains the portion of the existing property west of the existing residence and generally drains from east to the northwest corner at roughly 1.5%. The existing effective imperviousness for the basin is 8.48% due to the existing structures within the basin. The runoff calculated is 0.09 cfs and 0.97 cfs for the minor (5yr) and major (100yr) storm events, respectively. It appears Basin EX W contains a significant area adjacent to the home that flows towards the home where runoff ponds until it either infiltrates or evaporates (i.e. most of this flow does not drain off-site).

Basin EX E contains the portion of the existing property east of the existing residence and generally drains from west to east at roughly 3.0%. The existing effective imperviousness for the basin is 20.91% due to the existing residence and gravel driveway within the basin. The runoff calculated is 0.07 cfs and 0.39 cfs for the minor (5yr) and major (100yr) storm events, respectively.

PROPOSED IMPROVEMENTS

The owners are proposing to construct a gravel storage yard in the west half of the site, consisting of Conex containers, storage trailers, and covered parking/storage stalls. Due to the removal of an existing structure, the overall net added impervious area is 3,794 SF.

The site has been designed with a series of concrete drainage pans to convey developed runoff to the low points of the site, and a concrete grade wall along the west and south property lines as part of the proposed detention pond in order to provide a minimum freeboard.

DEVELOPED DRAINAGE ANALYSIS

All Rational Method runoff calculations summarizing the 5, 10, and 100 year event storm runoff for the proposed Developed Basins are attached to this letter.

The site has been split into five Developed Drainage Basins (WA, WB, WC, WD, and EX E), with Basin EX E not proposed to be modified as part of this project.

Basin WA contains the majority of the gravel storage lot, the Conex containers, and the covered parking/storage stalls that drain to the proposed concrete pan in the center of the basin. Runoff will be conveyed south under the raised storage trailers at roughly 0.5% and be sent into Basin WB. The developed effective imperviousness for the basin is 54.17%. The runoff calculated is 0.25 cfs and 0.79 cfs for the minor (5yr) and major (100yr) storm events, respectively.

Basin WB contains the southern portion of the gravel storage lot and the storage trailers that drain to the proposed concrete pan along the south of the basin. Runoff will be conveyed west at roughly 0.3% and be sent into Basin WC (proposed detention area). The developed effective imperviousness for the basin is 45.93%. The runoff calculated is 0.09 cfs and 0.32 cfs for the minor (5yr) and major (100yr) storm events, respectively.

Basin WC contains the proposed Detention Pond that wraps around the west and north of the gravel lot. Runoff within the basin will be conveyed to the proposed grade wall outlet plate in the northwest corner of the basin. The developed effective imperviousness for the basin is 8.78%. The runoff calculated is 0.02 cfs and 0.20 cfs for the minor (5yr) and major (100yr) storm events, respectively.

Basin WD contains the remainder of the existing Basin EX W that falls east of the proposed gravel lot. Runoff will be conveyed north at roughly 0.3% to the north of the site where a majority of the runoff is expected to infiltrate. The developed effective imperviousness for the basin is 18.53% due to containing the west half of the existing residence. The runoff calculated is 0.07 cfs and 0.47 cfs for the minor (5yr) and major (100yr) storm events, respectively. Runoff from extreme storm events will overtop the proposed driveway and be sent through the adjacent roadside ditch.

Basin EX E is not proposed to be developed this project and will remain as noted above throughout the development of the site.

DETENTION POND DESIGN & ANALYSIS

On-site developed stormwater runoff will be captured and conveyed to the proposed pond via concrete pans.

Traditional stormwater storage and attenuation (water quality and detention) is currently proposed since the site has a source of outfall (infrequently maintained roadside ditch). The detention pond has been designed with an outlet plate and spillway wall located in the northwest corner of the site.

The proposed detention pond has been designed in accordance with the State of Colorado and MHFD Volumes 2 & 3 Drainage Criteria.

Per MHFD criteria, the proposed detention pond is required to provide a minimum of 994 cubic feet to detain the 100-year storm runoff from the developed site. The designed detention pond has a capacity to store 1,958 cubic feet.

The outlet plate has been designed to release at or below the Historic rate of 1.08 cfs. The detention pond will release into Cotton Street right-of-way in the northwest corner of the site, following existing flow patterns. The release rate has been restricted to 0.54 cfs. With the over detained release rate from the detention pond along with the un-detained release from Basin WD, the total developed release from the site will fall below the Historic rate of 1.08 cfs (0.54+0.47=1.01 cfs).

The proposed outlet plate and spillway wall are located in the northwest corner of the detention pond, within the non-structural grade wall that is proposed along the southwest, west, and northwest property lines.

REMAINING EXISTING CONDITIONS (EAST OF PROPOSED IMPROVEMENTS)

Basin WD (between the proposed gravel lot and the existing residence) is considered a developed basin as part of this analysis but is not proposed to include any major improvements.

WEC's professional opinion is that under existing conditions, Basin WD contains a significant area adjacent to the home that flows towards the home where runoff ponds until it either infiltrates or evaporates (i.e. most of this flow does not drain off-site).

The proposed basin WD (existing conditions, proposed concrete pan & vegetated slope from the gravel lot) intends to improve the current adverse drainage adjacent to the home by providing an improved conveyance to the north of the property where flows infiltrate consistent with the areas adjacent to the home as discussed above.

Alternatively, a drywell could be installed to the north or the property (under review of a Geotechnical Engineer) confirming connectivity to soils that meet the minimum State infiltration requirements.

FLOODPLAIN REQUIREMENTS

Per Morgan County code, any inhabitable structure located within a floodplain requires the finish floor to be a minimum of 1.0 foot above the Base Flood Elevation (BFE).

The entire site is within the Zone AE floodplain (Base Flood Elevations determined – FIRM panel 08087C0469D) of the Beaver Creek floodplain.

Per FIS profile the 1% Annual Chance (100 year) BFE is between 4233 north of the property and 4234 at Mill Street south of the property. The 1% Annual Chance (100 year) elevation for Cross Section E that crosses just south of the property is listed as 4233.2 per the FIS profile.

The proposed Conex containers are all proposed to be placed at a minimum elevation of 4233.70 (resulting in a floor elevation of 4234.20 – 1.0 feet above the nearest BFE). The proposed storage trailers are also proposed to be placed at an elevation of 4233.70, however both trailers have a height of 21" from ground to top of foundation (resulting in a floor elevation of 4236.12 – 2.9 feet above the nearest BFE).

A floodplain analysis was performed on the existing Beaver Creek hydraulic model to evaluate the effects of the proposed improvements to the Beaver Creek flood elevations. Two models were evaluated as part of this analysis – a corrected effective model and a proposed model.

The corrected effective model was created using the existing Beaver Creek HEC-RAS model as provided by Aecom. Additional cross sections were added to the existing model to further analyze the effects at this project location. No changes were made to the existing cross sections or to the channel itself. The corrected effective model was run and the results for the 100-year floodplain water surface elevations were used as a basis for the proposed model.

The proposed model was created by updating the additional cross sections at this project location to reflect the proposed improvements to this site. Flow obstructions were added to the cross sections to represent the proposed added fill. No other changes were made to the corrected effective model. The duplicate effective model was run and the results for the 100-year floodplain water surface elevations were compared to the corrected effective model. See Table 1 below for the BFE comparison table.

Table 1 - Water Surface Elevation Comparison of the 1% Flood

Cross Section (South Reach)	1% Water Surface Elevation (ft)		Water Surface Elevation Change
	Corrected Effective Model	Proposed Model	
9858	4233.36	4233.37	+0.01
9137	4233.31	4233.32	+0.01
8158 (FIS B)	4233.30	4233.30	0.00
7033*	4233.29	4233.30	+0.01
7032.9*	4233.29	4233.30	+0.01
7032	4233.13	4233.13	0.00
6102	4233.02	4233.02	0.00

* Added Cross Sections at project location

CONCLUSION

The proposed improvements to the Dardanes site will create additional imperviousness but will reduce total flow off-site. The attached drainage design and supporting calculations will enhance and significantly improve the current existing runoff conditions as no other drainage facilities currently exist in the area. The attached designs are intended to meet or exceed the minimum requirements of the City of Brush and MHFD storm drainage criteria.

Please contact me with any questions or comments you may have on this Project Narrative.

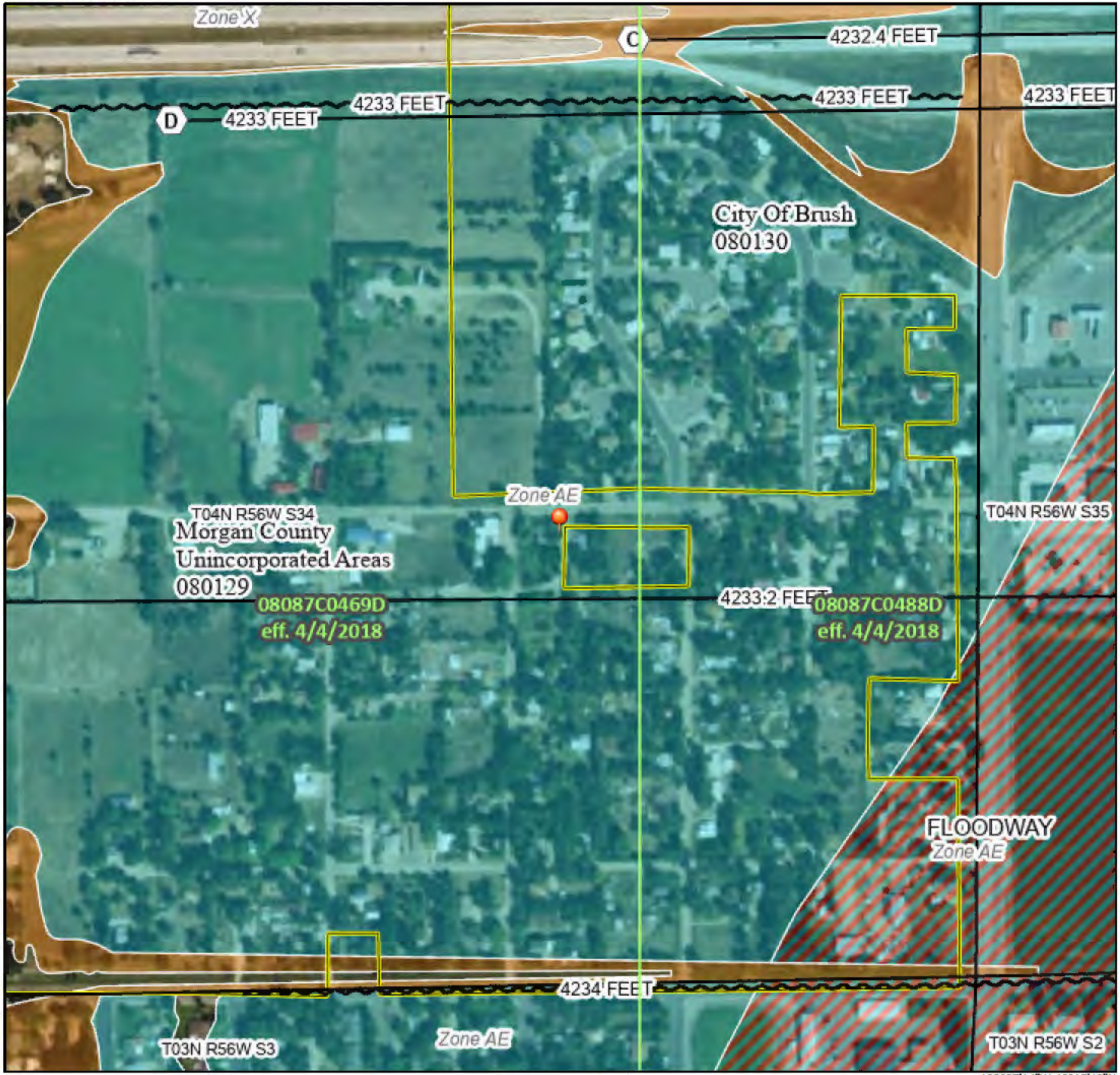
Sincerely,

Western Engineering Consultants inc., LLC
Chadwin F. Cox, P.E.
Senior Project Manager

National Flood Hazard Layer FIRMette

FEMA

103°37'51"W 40°16'8"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°37'14"W 40°15'40"N

Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- 513 Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/1/2025 at 12:05 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Historic Runoff Table - Dardanes Property							
BASIN	Impervious	C-YR	I	A	CIA(YR-historic)	Flow	DESIGN POINT
H							
C_2 (MHFD 2018)	2.00	0.01	1.88	0.41	0.01	cfs	H1
C_5	2.00	0.05	2.51	0.41	0.05	cfs	
C_{10}	2.00	0.15	3.05	0.41	0.19	cfs	
C_{100}	2.00	0.49	5.33	0.41	1.08	cfs	

Dardanes Property - Historic Runoff Calcs

12/31/2024

for soils - C_2 C_5 C_{10} C_{100} --> from Table RO-5

**for Ti calculations - only C_5 is used

Ti= (.395*(1.1-C_{yr})*(L^.5)) / (S)^.333
From MHFD (UDFCD) 2018, Equation 6-3

	2	5	10	100
1-Hour Point Rainf	**1.00**	**1.33**	**1.62**	**2.83**

H — **Historic - 2, 5, 10, 100 yr** — NRCS Type 100% C/D — **0.413** acres

		Length	Slope	C_{yr} - see frequency left	Ti**	Velocity	Tt	Tc	Use Tc	I	A		
2yr				0.01	21.69	1.41	0.00	21.69	21.69	1.88	0.41	**$CIA_{5\ existing}$**	0.01 **cfs**
	initial	202	0.020										
5yr	travel	0	0.020	0.05	21.69	1.41	0.00	21.69	21.69	2.51	0.41	**$CIA_{10\ existing}$**	0.05 **cfs**
		202											
10yr	Overland flow			0.15	21.69	1.41	0.00	21.69	21.69	3.05	0.41	**$CIA_{10\ existing}$**	0.19 **cfs**
	300 ft max for urban, 500 ft max for rural												
	Remainder carried as travel												
100yr	Cv=	10		0.49	21.69	1.41	0.00	21.69	21.69	5.33	0.41	**$CIA_{100\ existing}$**	1.08 **cfs**

0.413 acres

H	**Undeveloped**	**Gravel**	**Building**	**Concrete**	**Water/Aphalt**	**EFFECTIVE**
NRCS Type 100% C/D						
Imperviousness %	2	40.00	90.00	100.00	100.00	**2.00**
C2	0.01	0.3	0.74	0.83	0.83	**0.01**
C5	0.05	0.36	0.77	0.85	0.85	**0.05**
C10	0.15	0.43	0.79	0.87	0.87	**0.15**
C100	0.49	0.65	0.85	0.89	0.89	**0.49**
AREA	0.413	0.00	0.00	0.00	0.00	0.41

0.000 acres

H2	**Undeveloped**	**Gravel**	**Building**	**Concrete**	**Water/Aphalt**	**EFFECTIVE**
NRCS Type 100% C/D						
Imperviousness %	2	40.00	90.00	100.00	100.00	**#DIV/0!**
C2	0.01	0.3	0.74	0.83	0.83	**#DIV/0!**
C5	0.05	0.36	0.77	0.85	0.85	**#DIV/0!**
C10	0.15	0.43	0.79	0.87	0.87	**#DIV/0!**
C100	0.49	0.65	0.85	0.89	0.89	**#DIV/0!**
AREA	0.000	0.00	0.00	0.00	0.00	0.00

TABLE RO-2 (taken from MHFD (UDFCD Manual - Vol. I)

Type of Land Surface	Conveyance coefficient,
Heavy Meadow	2.5
Tillage/field	5
Short pasture/Lawns	7
Nearly Bare Ground	10.00
Grassed Waterway	15.00
Paved areas and shallow paved swales	20.00

Existing Runoff Table - Dardanes Property							
BASIN	Impervious	C-YR	I	A	CIA(YR-existing)	Flow	DESIGN POINT
EX E							
C_2 (MHFD 2018)	20.91	0.16	2.96	0.08	0.04	cfs	E1
C_5	20.91	0.20	3.94	0.08	0.07	cfs	
C_{10}	20.91	0.29	4.80	0.08	0.11	cfs	
C_{100}	20.91	0.57	8.38	0.08	0.39	cfs	
EX W							
C_2 (MHFD 2018)	8.48	0.06	2.00	0.33	0.04	cfs	E2
C_5	8.48	0.10	2.66	0.33	0.09	cfs	
C_{10}	8.48	0.20	3.24	0.33	0.21	cfs	
C_{100}	8.48	0.52	5.66	0.33	0.97	cfs	

Dardanes Property - Existing Runoff Calcs

5/22/2025

for soils - C2 C_5 C_{10} C_{100} = from Table RO-5

**for Ti calculations - only C_5 is used

Ti= (.395*(1.1-C_{yr})*(L^.5)) / (S)^.333
From MHFD (UDFCD) 2018, Equation 6-3

	2	5	10	100
1-Hour Point Rainfall	1.00	1.33	1.62	2.83

2018 MHFD >>> Tc Check = (26-17i) + [Ltravel / (60*(14i + 9)(So)^.5)]

EX E — **Existing - 2, 5, 10, 100 yr** — **0.081** acres

NRCS Type 100% C/D

		Length	Slope	C_{yr} - see frequency left	Ti**	Velocity	Tt	Tc	check	Use Tc	I	A	CIA_5 existing	
2yr				0.16	7.83	1.70	0.00	7.83	22.44	7.83	2.96	0.08	0.04	**cfs**
	initial	42	0.030										**CIA_5 existing**	
5yr	travel	0	0.020	0.20	7.83	1.70	0.00	7.83	22.44	7.83	3.94	0.08	0.07	**cfs**
		42											**CIA_{10} existing**	
10yr	Overland flow			0.29	7.83	1.70	0.00	7.83	22.44	7.83	4.80	0.08	0.11	**cfs**
	300 ft max for urban, 500 ft max for rural													
	Remainder carried as travel												**CIA_{100} existing**	
100yr	Cv=	12		0.57	7.83	1.70	0.00	7.83	22.44	7.83	8.38	0.08	0.39	**cfs**

EX W — **Existing - 2, 5, 10, 100 yr** — **0.332** acres

NRCS Type 100% C/D

		Length	Slope	C_{yr} - see frequency left	Ti**	Velocity	Tt	Tc	check	Use Tc	I	A	CIA_5 existing	
2yr				0.06	19.40	1.70	0.00	19.40	24.56	19.40	2.00	0.33	0.04	**cfs**
	initial	164	0.015										**CIA_5 existing**	
5yr	travel	0	0.020	0.10	19.40	1.70	0.00	19.40	24.56	19.40	2.66	0.33	0.09	**cfs**
		164											**CIA_{10} existing**	
10yr	Overland flow			0.20	19.40	1.70	0.00	19.40	24.56	19.40	3.24	0.33	0.21	**cfs**
	300 ft max for urban, 500 ft max for rural													
	Remainder carried as travel												**CIA_{100} existing**	
100yr	Cv=	12		0.52	19.40	1.70	0.00	19.40	24.56	19.40	5.66	0.33	0.97	**cfs**

0.081 acres

EX E	**Undeveloped**	**Gravel**	**Building**	**Concrete**	**Water/Asphalt**	**EFFECTIVE**
NRCS Type 100% C/D						
Imperviousness %	2	40.00	90.00	100.00	100.00	**20.91**
C2	0.01	0.3	0.74	0.83	0.83	**0.16**
C5	0.05	0.36	0.77	0.85	0.85	**0.20**
C10	0.15	0.43	0.79	0.87	0.87	**0.29**
C100	0.49	0.65	0.85	0.89	0.89	**0.57**
AREA	0.059	0.01	0.01	0.00	0.00	0.08

0.332 acres

EX W	**Undeveloped**	**Gravel**	**Building**	**Concrete**	**Water/Asphalt**	**EFFECTIVE**
NRCS Type 100% C/D						
Imperviousness %	2	40.00	90.00	100.00	100.00	**8.48**
C2	0.01	0.3	0.74	0.83	0.83	**0.06**
C5	0.05	0.36	0.77	0.85	0.85	**0.10**
C10	0.15	0.43	0.79	0.87	0.87	**0.20**
C100	0.49	0.65	0.85	0.89	0.89	**0.52**
AREA	0.307	0.00	0.02	0.00	0.00	0.33

TABLE RO-2 (taken from MHFD (UDFCD) Manual - Vol. I)

Type of Land Surface	Conveyance coefficient, Cv
Heavy Meadow	2.5
Tillage/field	5
Short pasture/Lawns	7
Nearly Bare Ground	10.00
Grassed Waterway	15.00
Paved areas and shallow paved swales	20.00

Developed Runoff Table - Dardanes Property							
BASIN	Impervious	C-YR	I	A	CIA(YR-DEVELOPED)	cfs	DESIGN POINT
W A							
C_2 (MHFD 2018)	54.17	0.42	2.72	0.14	0.17	cfs	1
C_5	54.17	0.48	3.62	0.14	0.25	cfs	
C_{10}	54.17	0.53	4.41	0.14	0.34	cfs	
C_{100}	54.17	0.71	7.70	0.14	0.79	cfs	
W B							
C_2 (MHFD 2018)	45.93	0.37	2.87	0.06	0.06	cfs	2
C_5	45.93	0.41	3.82	0.06	0.09	cfs	
C_{10}	45.93	0.47	4.65	0.06	0.13	cfs	
C_{100}	45.93	0.67	8.13	0.06	0.32	cfs	
W C							
C_2 (MHFD 2018)	8.78	0.07	3.39	0.04	0.01	cfs	3
C_5	8.78	0.11	4.51	0.04	0.02	cfs	
C_{10}	8.78	0.20	5.49	0.04	0.04	cfs	
C_{100}	8.78	0.52	9.60	0.04	0.20	cfs	
W D							
C_2 (MHFD 2018)	18.53	0.15	3.39	0.09	0.04	cfs	4
C_5	18.53	0.19	4.51	0.09	0.07	cfs	
C_{10}	18.53	0.27	5.49	0.09	0.13	cfs	
C_{100}	18.53	0.56	9.60	0.09	0.47	cfs	

Dardanes Property - Developed Runoff Calcs (% Max Bldg-Pavement)

5/22/2025

See below for effective C values as calculated from Table RO-5

**for Ti calculations - only C_5 is used

Ti= (.395*(1.1-C_{yr})*(L^.5)) / (S)^.333
From MHFD (UDFCD) 2018, Equation 6-3

	2	5	10	100
Point Rainfall	**1**	**1.33**	**1.62**	**2.83**

2018 MHFD >>> Tc Check = (26-17i) + [Ltravel / (60*(14i + 9)(So)^.5)]

W A — **Developed -2, 5, 10, 100 yr** — NRCS Type 100% C/D — **0.14** acres

Length: initial 60, travel 45, total 105 — Slope: initial 0.013, travel 0.005, total 0.010

Overland flow
300 ft max for urban, 500 ft max for rural
Remainder carried as travel
Cv= 15.00

	C_5	Ti	Velocity	Tt	Tc	check	Use Tc	C_{yr} - see above	I	A	$CIA_{5\ developed}$
2yr	0.48	9.16	1.06	0.71	9.87	17.43	9.87	0.42	2.72	0.14	0.17 **cfs**
5yr	0.48	9.16	1.06	0.71	9.87	17.43	9.87	0.48	3.62	0.14	$CIA_{5\ developed}$ 0.25 **cfs**
10yr	0.48	9.16	1.06	0.71	9.87	17.43	9.87	0.53	4.41	0.14	$CIA_{10\ developed}$ 0.34 **cfs**
100yr	0.48	9.16	1.06	0.71	9.87	17.43	9.87	0.71	7.70	0.14	$CIA_{100\ developed}$ 0.79 **cfs**

W B — **Developed -2, 5, 10, 100 yr** — NRCS Type 100% C/D — **0.06** acres

Length: initial 23, travel 135, total 158 — Slope: initial 0.020, travel 0.003, total 0.005

Overland flow
300 ft max for urban, 500 ft max for rural
Remainder carried as travel
Cv= 15.00

	C_5	Ti	Velocity	Tt	Tc	check	Use Tc	C_{yr} - see above	I	A	$CIA_{5\ developed}$
2yr	0.41	5.79	0.82	2.74	8.53	20.85	8.53	0.37	2.87	0.06	0.06 **cfs**
5yr	0.41	5.79	0.82	2.74	8.53	20.85	8.53	0.41	3.82	0.06	$CIA_{5\ developed}$ 0.09 **cfs**
10yr	0.41	5.79	0.82	2.74	8.53	20.85	8.53	0.47	4.65	0.06	$CIA_{10\ developed}$ 0.13 **cfs**
100yr	0.41	5.79	0.82	2.74	8.53	20.85	8.53	0.67	8.13	0.06	$CIA_{100\ developed}$ 0.32 **cfs**

W C — **Developed -2, 5, 10, 100 yr** — NRCS Type 100% C/D — **0.04** acres

Length: initial 9, travel 85, total 94 — Slope: initial 0.220, travel 0.003, total 0.024

Overland flow
300 ft max for urban, 500 ft max for rural
Remainder carried as travel
Cv= 15.00

	C_5	Ti	Velocity	Tt	Tc	check	Use Tc	C_{yr} - see above	I	A	$CIA_{5\ developed}$
2yr	0.11	2.45	0.82	1.72	4.17	27.04	5.00	0.07	3.39	0.04	0.01 **cfs**
5yr	0.11	2.45	0.82	1.72	4.17	27.04	5.00	0.11	4.51	0.04	$CIA_{5\ developed}$ 0.02 **cfs**
10yr	0.11	2.45	0.82	1.72	4.17	27.04	5.00	0.20	5.49	0.04	$CIA_{10\ developed}$ 0.04 **cfs**
100yr	0.11	2.45	0.82	1.72	4.17	27.04	5.00	0.52	9.60	0.04	$CIA_{100\ developed}$ 0.20 **cfs**

W D — **Developed -2, 5, 10, 100 yr** — NRCS Type 100% C/D — **0.09** acres

Length: initial 10, travel 100, total 110 — Slope: initial 0.250, travel 0.003, total 0.025

Overland flow
300 ft max for urban, 500 ft max for rural
Remainder carried as travel
Cv= 15.00

	C_5	Ti	Velocity	Tt	Tc	check	Use Tc	C_{yr} - see above	I	A	$CIA_{5\ developed}$
2yr	0.19	2.27	0.82	2.03	4.30	25.47	5.00	0.15	3.39	0.09	0.04 **cfs**
5yr	0.19	2.27	0.82	2.03	4.30	25.47	5.00	0.19	4.51	0.09	$CIA_{5\ developed}$ 0.07 **cfs**
10yr	0.19	2.27	0.82	2.03	4.30	25.47	5.00	0.27	5.49	0.09	$CIA_{10\ developed}$ 0.13 **cfs**
100yr	0.19	2.27	0.82	2.03	4.30	25.47	5.00	0.56	9.60	0.09	$CIA_{100\ developed}$ 0.47 **cfs**

W A	TOTAL AREA Landscaping	0.145 acres Gravel	Building	Concrete	Water/ Asphalt	
NRCS Type 100% C/D						EFFECTIVE
I	2	40.00	90.00	100.00	100.00	**54.17**
C2	0.01	0.3	0.74	0.83	0.83	**0.42**
C5	0.05	0.36	0.77	0.85	0.85	**0.48**
C10	0.15	0.43	0.79	0.87	0.87	**0.53**
C100	0.49	0.65	0.85	0.89	0.89	**0.71**
AREA	(0.00)	0.11	0.04	0.00	0.00	0.145

W B	TOTAL AREA Landscaping	0.059 acres Gravel	Building	Concrete	Water/ Asphalt	
NRCS Type 100% C/D						EFFECTIVE
I	2	40.00	90.00	100.00	100.00	**45.93**
C2	0.01	0.30	0.74	0.83	0.83	**0.37**
C5	0.05	0.36	0.77	0.85	0.85	**0.41**
C10	0.15	0.43	0.79	0.87	0.87	**0.47**
C100	0.49	0.65	0.85	0.89	0.89	**0.67**
AREA	0.02	0.01	0.02	0.00	0.00	0.059

W C	TOTAL AREA Landscaping	0.040 acres Gravel	Building	Concrete	Water/ Asphalt	
NRCS Type 100% C/D						EFFECTIVE
I	2	40.00	90.00	100.00	100.00	**8.78**
C2	0.01	0.30	0.74	0.83	0.83	**0.07**
C5	0.05	0.36	0.77	0.85	0.85	**0.11**
C10	0.15	0.43	0.79	0.87	0.87	**0.20**
C100	0.49	0.65	0.85	0.89	0.89	**0.52**
AREA	0.04	0.00	0.00	0.00	0.00	0.040

W D	TOTAL AREA Landscaping	0.088 acres Gravel	Building	Concrete	Water/ Asphalt	
NRCS Type 100% C/D						EFFECTIVE
I	2	40.00	90.00	100.00	100.00	**18.53**
C2	0.01	0.30	0.74	0.83	0.83	**0.15**
C5	0.05	0.36	0.77	0.85	0.85	**0.19**
C10	0.15	0.43	0.79	0.87	0.87	**0.27**
C100	0.49	0.65	0.85	0.89	0.89	**0.56**
AREA	0.07	0.00	0.01	0.00	0.00	0.088

TABLE RO-2 (taken from MHFD (UDFCD) Manual - Vol. I)	
Type of Land Surface	Conveyance coefficient, Cv
Heavy Meadow	2.5
Tillage/field	5
Short pasture/Lawns	7
Nearly Bare Ground	10.00
Grassed Waterway	15.00
Paved areas and shallow paved swales	20.00

DETENTION POND - LOT BUILDOUT

100 YEAR DETENTION VOLUME - WATER SURFACE

ESTIMATED POND (TYPICAL) VOLUME vs ELEVATION

POND OUTLET INVERT		**4230.93**	**ELEVATION**
WQCV:	**171.4 ft^3**	**4231.44**	**ELEVATION**
REQUIRED 5YR:	**311.0 ft^3**	**4231.79**	**ELEVATION**
REQUIRED 10YR:	**451.4 ft^3**	**4232.04**	**ELEVATION**
DESIGN RELEASE POND A		**0.06**	**CFS**
REQUIRED 100YR:	**993.4 ft^3**	**4232.41**	**ELEVATION**
Avail Vol @ Emer Overflow:	**1,958.1 ft^3**	**4233.00**	**ELEVATION**
DESIGN 100 yr RELEASE POND A		**0.54**	**CFS**

43560

ELEV	AREA	t	VOL	ACCUM	ACUM (ac-ft)
4,231.00	15.6				
		1.00	393.4	393.4	0.01
4,232.00	1,037.5				
		1.00	1,473.7	1,867.1	0.04
4,233.00	1,958.1				

REQUIRED DETENTION (FULL SPECTRUM EMPIRICAL for COMPARISON)

UDFCD 2018 VOL 1 thru 3

IN ACCORDANCE WITH MHFD, THE EFFECTIVE IMPERVIOUSNESS OF THE TOTAL AREA IS USED TO CALCULATE WQCV, EURV, & 100YR VOL IN LIEU OF THE SUMMATION OF EACH BASIN
(CORRECT VALUE INDICATED BY AN ARROW)

WATER QUALITY CALCULATIONS

from Figure EDB-2, 40 hr drain @ I, WQCV= noted below

BASIN	Actual I	Used Herein I	A acres	WQCV (in/watershed)	WQCV DEPTH in (FIG 3-1)	WQCV OTHER (in/watershed)	WQCV acre ft	
W A	54.17	55.00	0.14	0.22	0.43	0.22	0.003	
W B	45.93	46.00	0.06	0.20	0.43	0.20	0.001	
W C	8.78	9.00	0.04	0.06	0.43	0.06	0.000	
TOTAL	**44.75**	**45.29**	**0.24**	0.48	0.43	0.48	0.004	
				0.19	**0.43**	**0.19**	**0.004**	← **WQCV (ZONE 1)**

EXCESS URBAN RUNOFF VOLUME (EURV)

BASIN	Actual I	Used Herein I	A acres	NCS SOIL TYPE %	$EURV_A$ (in/watershed)	$EURV_B$ (in/watershed)	$EURV_C$ (in/watershed)	WEIGHTED AVE. EURV (in/watershed)	EURV** acre ft	
W A	54.17	55.00	0.14	NRCS Type 100% C/D	0.78	0.71	0.63	0.63	0.008	
W B	45.93	46.00	0.06	NRCS Type 100% C/D	0.62	0.59	0.52	0.52	0.003	
W C	8.78	9.00	0.04	NRCS Type 100% C/D	0.08	0.10	0.09	0.09	0.000	
TOTAL	**44.75**	**45.29**	**0.24**	**NRCS Type 100% C/D**	1.48	1.40	1.24	1.24	0.010	
					0.61	**0.58**	**0.51**	**0.51**	**0.010**	← **EURV**
									0.006	← **ZONE 2**

100YR VOLUME

BASIN	Actual I	Used Herein I	A acres	1hr Rainfall Depth in	NCS SOIL TYPE %	V_{100} (in/watershed)	V_{100} acre ft	
W A	54.17	55.00	0.14	2.83	NRCS Type 100% C/D	1.31	0.016	
W B	45.93	46.00	0.06	2.83	NRCS Type 100% C/D	1.16	0.006	
W C	8.78	9.00	0.04	2.83	NRCS Type 100% C/D	0.48	0.002	
TOTAL	**44.75**	**45.29**	**0.24**	**2.83**	**NRCS Type 100% C/D**	2.95	0.023	
						1.12	**0.023**	← **100YR VOL**
							0.012	← **ZONE 3**

DETENTION VOLUME BY THE MODIFIED FAA METHOD

Project: Dardanes

Basin ID: Detention Pond

(For catchments less than 160 acres only. For larger catchments, use hydrograph routing method)

(NOTE: for catchments larger than 90 acres, CUHP hydrograph and routing are recommended)

Determination of MINOR Detention Volume Using Modified FAA Method

Design Information (Input):

Catchment Drainage Imperviousness	I_a =	45.00	percent
Catchment Drainage Area	A =	0.240	acres
Predevelopment NRCS Soil Group	Type =	C	A, B, C, or D
Return Period for Detention Control	T =	5	years (2, 5, 10, 25, 50, or 100)
Time of Concentration of Watershed	Tc =	5	minutes
Allowable Unit Release Rate	q =	0.25	cfs/acre
One-hour Precipitation	P_1 =	1.33	inches
Design Rainfall IDF Formula	$i = C_1 * P_1/(C_2+T_c)^{C_3}$		
Coefficient One	C_1 =	28.50	
Coefficient Two	C_2 =	10	
Coefficient Three	C_3 =	0.789	

Determination of Average Outflow from the Basin (Calculated):

Runoff Coefficient	C =	0.37	
Inflow Peak Runoff	Qp-in =	0.40	cfs
Allowable Peak Outflow Rate	Qp-out =	**0.06**	cfs
Mod. FAA Minor Storage Volume =		310.999	**cubic feet**
Mod. FAA Minor Storage Volume =		**0.007**	**acre-ft**

5 <- Enter Rainfall Duration Incremental Increase Value Here (e.g. 5 for 5-Minutes)

Rainfall Duration minutes (input)	Rainfall Intensity inches / hr (output)	Inflow Volume acre-feet (output)	Adjustment Factor "m" (output)	Average Outflow cfs (output)	Outflow Volume acre-feet (output)	Storage Volume acre-feet (output)
0	0.00	0.000	0.00	0.00	0.000	0.000
5	4.47	0.003	1.00	0.06	0.000	0.002
10	3.57	0.004	0.75	0.05	0.001	0.004
15	2.99	0.005	0.67	0.04	0.001	0.005
20	2.59	0.006	0.63	0.04	0.001	0.005
25	2.29	0.007	0.60	0.04	0.001	0.006
30	2.06	0.008	0.58	0.04	0.001	0.006
35	1.88	0.008	0.57	0.03	0.002	0.006
40	1.73	0.008	0.56	0.03	0.002	0.007
45	1.61	0.009	0.56	0.03	0.002	0.007
50	1.50	0.009	0.55	0.03	0.002	0.007
55	1.41	0.009	0.55	0.03	0.002	0.007
60	1.33	0.010	0.54	0.03	0.003	0.007
65	1.26	0.010	0.54	0.03	0.003	0.007
70	1.19	0.010	0.54	0.03	0.003	0.007
75	1.14	0.010	0.53	0.03	0.003	0.007
80	1.09	0.011	0.53	0.03	0.004	0.007
85	1.04	0.011	0.53	0.03	0.004	0.007
90	1.00	0.011	0.53	0.03	0.004	0.007
95	0.96	0.011	0.53	0.03	0.004	0.007
100	0.93	0.011	0.53	0.03	0.004	0.007
105	0.90	0.012	0.52	0.03	0.005	0.007
110	0.87	0.012	0.52	0.03	0.005	0.007
115	0.84	0.012	0.52	0.03	0.005	0.007
120	0.81	0.012	0.52	0.03	0.005	0.007
125	0.79	0.012	0.52	0.03	0.005	0.007
130	0.77	0.012	0.52	0.03	0.006	0.007
135	0.75	0.012	0.52	0.03	0.006	0.007
140	0.73	0.012	0.52	0.03	0.006	0.006
145	0.71	0.013	0.52	0.03	0.006	0.006
150	0.69	0.013	0.52	0.03	0.006	0.006
155	0.67	0.013	0.52	0.03	0.007	0.006
160	0.66	0.013	0.52	0.03	0.007	0.006
165	0.64	0.013	0.52	0.03	0.007	0.006
170	0.63	0.013	0.51	0.03	0.007	0.006
175	0.62	0.013	0.51	0.03	0.007	0.006
180	0.60	0.013	0.51	0.03	0.008	0.006
185	0.59	0.013	0.51	0.03	0.008	0.006
190	0.58	0.013	0.51	0.03	0.008	0.005
195	0.57	0.014	0.51	0.03	0.008	0.005
200	0.56	0.014	0.51	0.03	0.008	0.005
205	0.55	0.014	0.51	0.03	0.009	0.005
210	0.54	0.014	0.51	0.03	0.009	0.005
215	0.53	0.014	0.51	0.03	0.009	0.005
220	0.52	0.014	0.51	0.03	0.009	0.005
225	0.51	0.014	0.51	0.03	0.010	0.005
230	0.50	0.014	0.51	0.03	0.010	0.004
235	0.49	0.014	0.51	0.03	0.010	0.004
240	0.49	0.014	0.51	0.03	0.010	0.004
245	0.48	0.014	0.51	0.03	0.010	0.004
250	0.47	0.014	0.51	0.03	0.011	0.004
255	0.46	0.014	0.51	0.03	0.011	0.004
260	0.46	0.015	0.51	0.03	0.011	0.004
265	0.45	0.015	0.51	0.03	0.011	0.003
270	0.44	0.015	0.51	0.03	0.011	0.003
275	0.44	0.015	0.51	0.03	0.012	0.003
280	0.43	0.015	0.51	0.03	0.012	0.003
285	0.43	0.015	0.51	0.03	0.012	0.003
290	0.42	0.015	0.51	0.03	0.012	0.003
295	0.42	0.015	0.51	0.03	0.012	0.003
300	0.41	0.015	0.51	0.03	0.013	0.002

Mod. FAA Minor Storage Volume (cubic ft.) = 311

Mod. FAA Minor Storage Volume (acre-ft.) = 0.0071

Determination of MAJOR Detention Volume Using Modified FAA Method

Design Information (Input):

Catchment Drainage Imperviousness	I_a =	45.00	percent
Catchment Drainage Area	A =	0.240	acres
Predevelopment NRCS Soil Group	Type =	C	A, B, C, or D
Return Period for Detention Control	T =	100	years (2, 5, 10, 25, 50, or 100)
Time of Concentration of Watershed	Tc =	5	minutes
Allowable Unit Release Rate	q =	2.25	cfs/acre
One-hour Precipitation	P_1 =	2.83	inches
Design Rainfall IDF Formula	$i = C_1 * P_1/(C_2+T_c)^{C_3}$		
Coefficient One	C_1 =	28.50	
Coefficient Two	C_2 =	10	
Coefficient Three	C_3 =	0.789	

Determination of Average Outflow from the Basin (Calculated):

Runoff Coefficient	C =	0.59	
Inflow Peak Runoff	Qp-in =	1.35	cfs
Allowable Peak Outflow Rate	Qp-out =	**0.54**	cfs
Mod. FAA Major Storage Volume =		552.288	**cubic feet**
Mod. FAA Major Storage Volume =		**0.013**	**acre-ft**

Rainfall Duration minutes (input)	Rainfall Intensity inches / hr (output)	Inflow Volume acre-feet (output)	Adjustment Factor "m" (output)	Average Outflow cfs (output)	Outflow Volume acre-feet (output)	Storage Volume acre-feet (output)
0	0.00	0.000	0.00	0.00	0.000	0.000
5	9.52	0.009	1.00	0.54	0.004	0.006
10	7.59	0.015	0.75	0.41	0.006	0.009
15	6.36	0.019	0.67	0.36	0.007	0.011
20	5.51	0.021	0.63	0.34	0.009	0.012
25	4.88	0.024	0.60	0.32	0.011	0.013
30	4.39	0.026	0.58	0.32	0.013	0.013
35	4.00	0.027	0.57	0.31	0.015	0.012
40	3.68	0.029	0.56	0.30	0.017	0.012
45	3.42	0.030	0.56	0.30	0.019	0.011
50	3.19	0.031	0.55	0.30	0.020	0.011
55	2.99	0.032	0.55	0.29	0.022	0.010
60	2.82	0.033	0.54	0.29	0.024	0.009
65	2.67	0.034	0.54	0.29	0.026	0.008
70	2.54	0.035	0.54	0.29	0.028	0.007
75	2.42	0.035	0.53	0.29	0.030	0.006
80	2.32	0.036	0.53	0.29	0.032	0.005
85	2.22	0.037	0.53	0.29	0.033	0.003
90	2.13	0.037	0.53	0.29	0.035	0.002
95	2.05	0.038	0.53	0.28	0.037	0.001
100	1.98	0.039	0.53	0.28	0.039	0.000
105	1.91	0.039	0.52	0.28	0.041	-0.002
110	1.85	0.040	0.52	0.28	0.043	-0.003
115	1.79	0.040	0.52	0.28	0.045	-0.005
120	1.73	0.041	0.52	0.28	0.046	-0.006
125	1.68	0.041	0.52	0.28	0.048	-0.007
130	1.63	0.041	0.52	0.28	0.050	-0.009
135	1.59	0.042	0.52	0.28	0.052	-0.010
140	1.55	0.042	0.52	0.28	0.054	-0.012
145	1.51	0.043	0.52	0.28	0.056	-0.013
150	1.47	0.043	0.52	0.28	0.058	-0.015
155	1.44	0.043	0.52	0.28	0.060	-0.016
160	1.40	0.044	0.52	0.28	0.061	-0.018
165	1.37	0.044	0.52	0.28	0.063	-0.019
170	1.34	0.044	0.51	0.28	0.065	-0.021
175	1.31	0.045	0.51	0.28	0.067	-0.022
180	1.28	0.045	0.51	0.28	0.069	-0.024
185	1.26	0.045	0.51	0.28	0.071	-0.025
190	1.23	0.046	0.51	0.28	0.073	-0.027
195	1.21	0.046	0.51	0.28	0.074	-0.028
200	1.19	0.046	0.51	0.28	0.076	-0.030
205	1.17	0.047	0.51	0.28	0.078	-0.032
210	1.14	0.047	0.51	0.28	0.080	-0.033
215	1.12	0.047	0.51	0.28	0.082	-0.035
220	1.10	0.047	0.51	0.28	0.084	-0.036
225	1.09	0.048	0.51	0.28	0.086	-0.038
230	1.07	0.048	0.51	0.28	0.087	-0.039
235	1.05	0.048	0.51	0.28	0.089	-0.041
240	1.03	0.048	0.51	0.28	0.091	-0.043
245	1.02	0.049	0.51	0.28	0.093	-0.044
250	1.00	0.049	0.51	0.28	0.095	-0.046
255	0.99	0.049	0.51	0.28	0.097	-0.048
260	0.97	0.049	0.51	0.28	0.099	-0.049
265	0.96	0.050	0.51	0.28	0.100	-0.051
270	0.95	0.050	0.51	0.28	0.102	-0.052
275	0.93	0.050	0.51	0.27	0.104	-0.054
280	0.92	0.050	0.51	0.27	0.106	-0.056
285	0.91	0.050	0.51	0.27	0.108	-0.057
290	0.90	0.051	0.51	0.27	0.110	-0.059
295	0.88	0.051	0.51	0.27	0.112	-0.061
300	0.87	0.051	0.51	0.27	0.113	-0.062

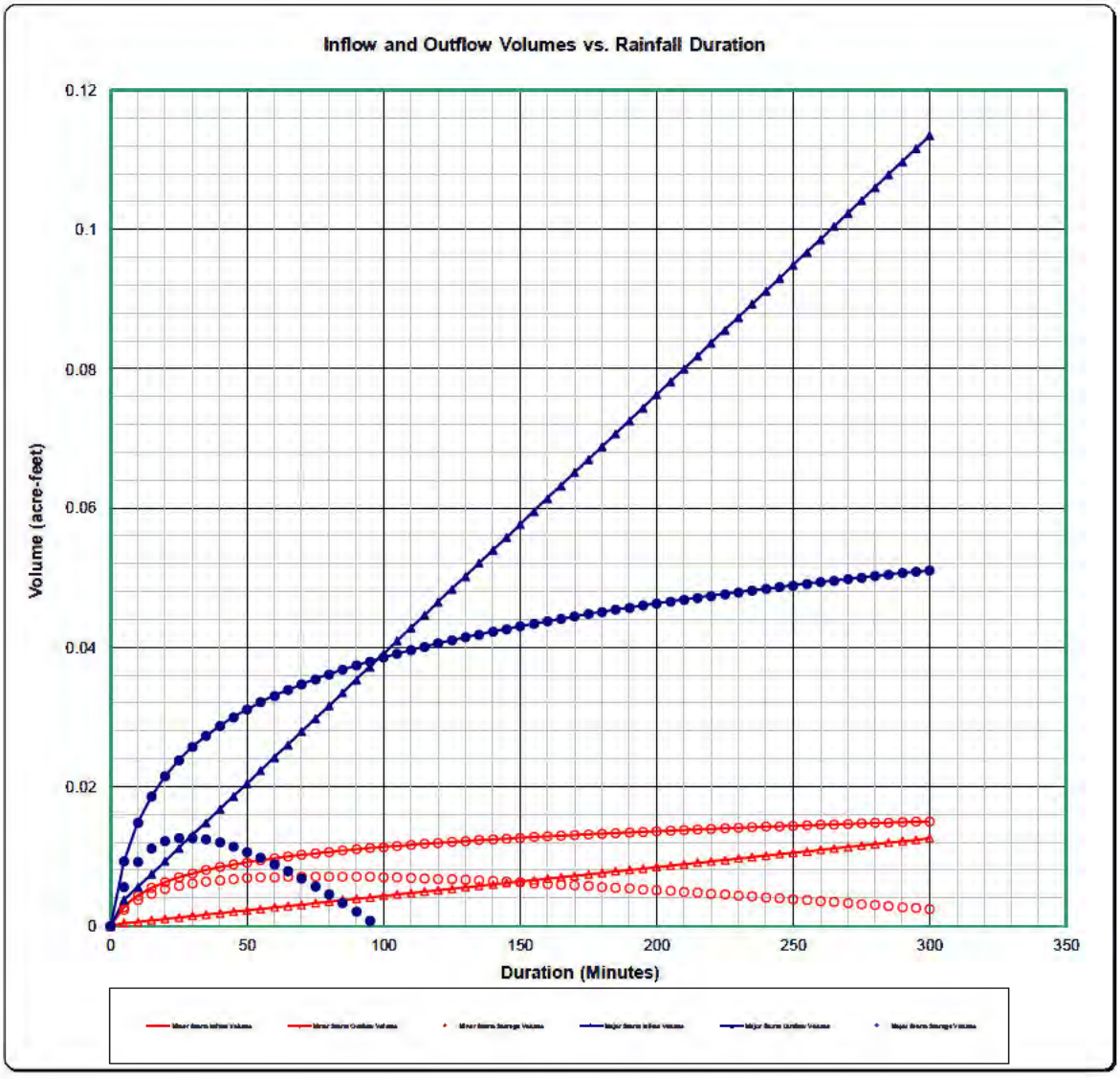
Mod. FAA Major Storage Volume (cubic ft.) = 552

Mod. FAA Major Storage Volume (acre-ft.) = 0.0127

DETENTION VOLUME BY THE MODIFIED FAA METHOD

Project: Dardanes

Basin ID: Detention Pond

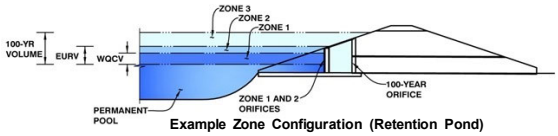


DETENTION BASIN STAGE-STORAGE TABLE BUILDER

MHFD-Detention, Version 4.06 (July 2022)

Project: Dardanes

Basin ID: Detention Pond



Example Zone Configuration (Retention Pond)

Watershed Information

Selected BMP Type =	**EDB**	
Watershed Area =	0.25	acres
Watershed Length =	200	ft
Watershed Length to Centroid =	100	ft
Watershed Slope =	0.020	ft/ft
Watershed Imperviousness =	50.00%	percent
Percentage Hydrologic Soil Group A =	0.0%	percent
Percentage Hydrologic Soil Group B =	0.0%	percent
Percentage Hydrologic Soil Groups C/D =	100.0%	percent
Target WQCV Drain Time =	40.0	hours
Location for 1-hr Rainfall Depths =	User Input	

After providing required inputs above including 1-hour rainfall depths, click 'Run CUHP' to generate runoff hydrographs using the embedded Colorado Urban Hydrograph Procedure.

			Optional User Overrides	
Water Quality Capture Volume (WQCV) =	0.004	acre-feet		acre-feet
Excess Urban Runoff Volume (EURV) =	0.012	acre-feet		acre-feet
2-yr Runoff Volume (P1 = 1 in.) =	0.010	acre-feet	1.00	inches
5-yr Runoff Volume (P1 = 1.33 in.) =	0.016	acre-feet	1.33	inches
10-yr Runoff Volume (P1 = 1.62 in.) =	0.021	acre-feet	1.62	inches
25-yr Runoff Volume (P1 = 2.06 in.) =	0.031	acre-feet	2.06	inches
50-yr Runoff Volume (P1 = 2.43 in.) =	0.039	acre-feet	2.43	inches
100-yr Runoff Volume (P1 = 2.83 in.) =	0.048	acre-feet	2.83	inches
500-yr Runoff Volume (P1 = 3.14 in.) =	0.054	acre-feet		inches
Approximate 2-yr Detention Volume =	0.009	acre-feet		
Approximate 5-yr Detention Volume =	0.014	acre-feet		
Approximate 10-yr Detention Volume =	0.016	acre-feet		
Approximate 25-yr Detention Volume =	0.020	acre-feet		
Approximate 50-yr Detention Volume =	0.021	acre-feet		
Approximate 100-yr Detention Volume =	0.025	acre-feet		

Define Zones and Basin Geometry

Zone 1 Volume (WQCV) =	0.004	acre-feet
Zone 2 Volume (EURV - Zone 1) =	0.008	acre-feet
Zone 3 Volume (100-year - Zones 1 & 2) =	0.014	acre-feet
Total Detention Basin Volume =	0.025	acre-feet
Initial Surcharge Volume (ISV) =	user	ft^3
Initial Surcharge Depth (ISD) =	user	ft
Total Available Detention Depth (H_{total}) =	user	ft
Depth of Trickle Channel (H_{TC}) =	user	ft
Slope of Trickle Channel (S_{TC}) =	user	ft/ft
Slopes of Main Basin Sides (S_{main}) =	user	H:V
Basin Length-to-Width Ratio ($R_{L/W}$) =	user	

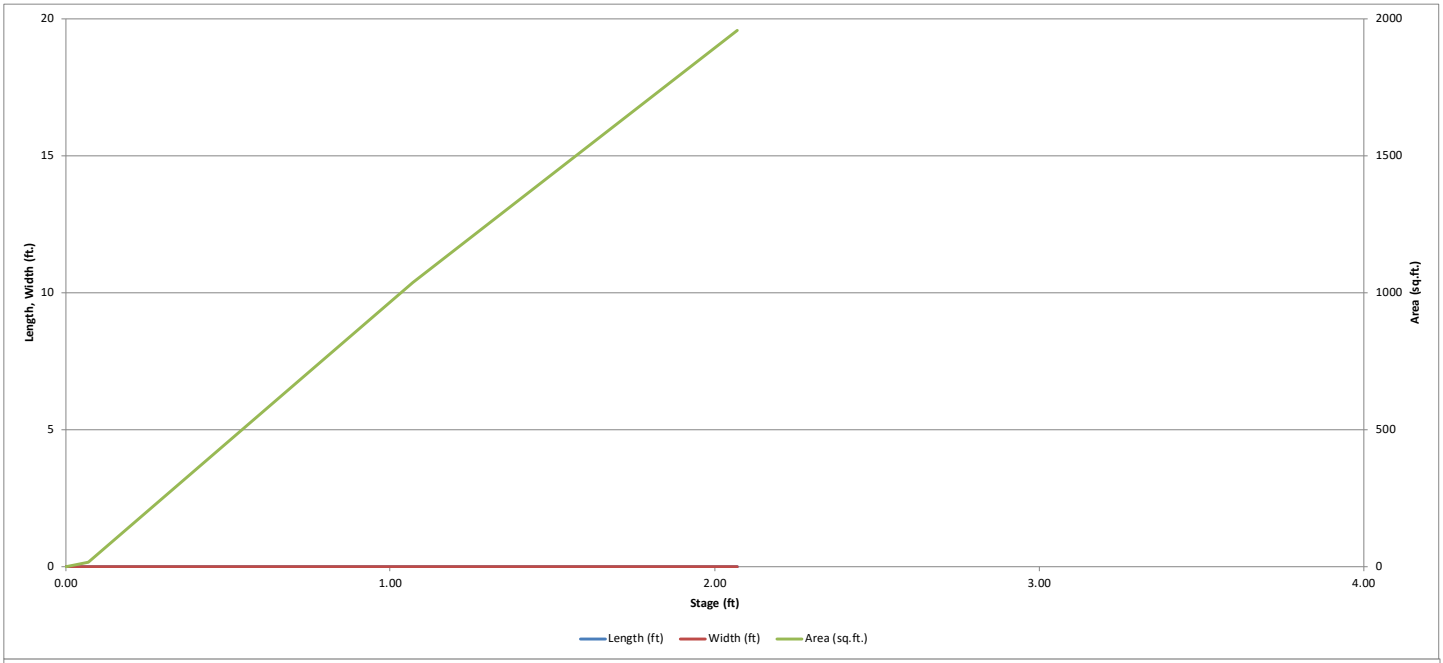
Initial Surcharge Area (A_{ISV}) =	user	ft^2
Surcharge Volume Length (L_{ISV}) =	user	ft
Surcharge Volume Width (W_{ISV}) =	user	ft
Depth of Basin Floor (H_{FLOOR}) =	user	ft
Length of Basin Floor (L_{FLOOR}) =	user	ft
Width of Basin Floor (W_{FLOOR}) =	user	ft
Area of Basin Floor (A_{FLOOR}) =	user	ft^2
Volume of Basin Floor (V_{FLOOR}) =	user	ft^3
Depth of Main Basin (H_{MAIN}) =	user	ft
Length of Main Basin (L_{MAIN}) =	user	ft
Width of Main Basin (W_{MAIN}) =	user	ft
Area of Main Basin (A_{MAIN}) =	user	ft^2
Volume of Main Basin (V_{MAIN}) =	user	ft^3
Calculated Total Basin Volume (V_{total}) =	**user**	acre-feet

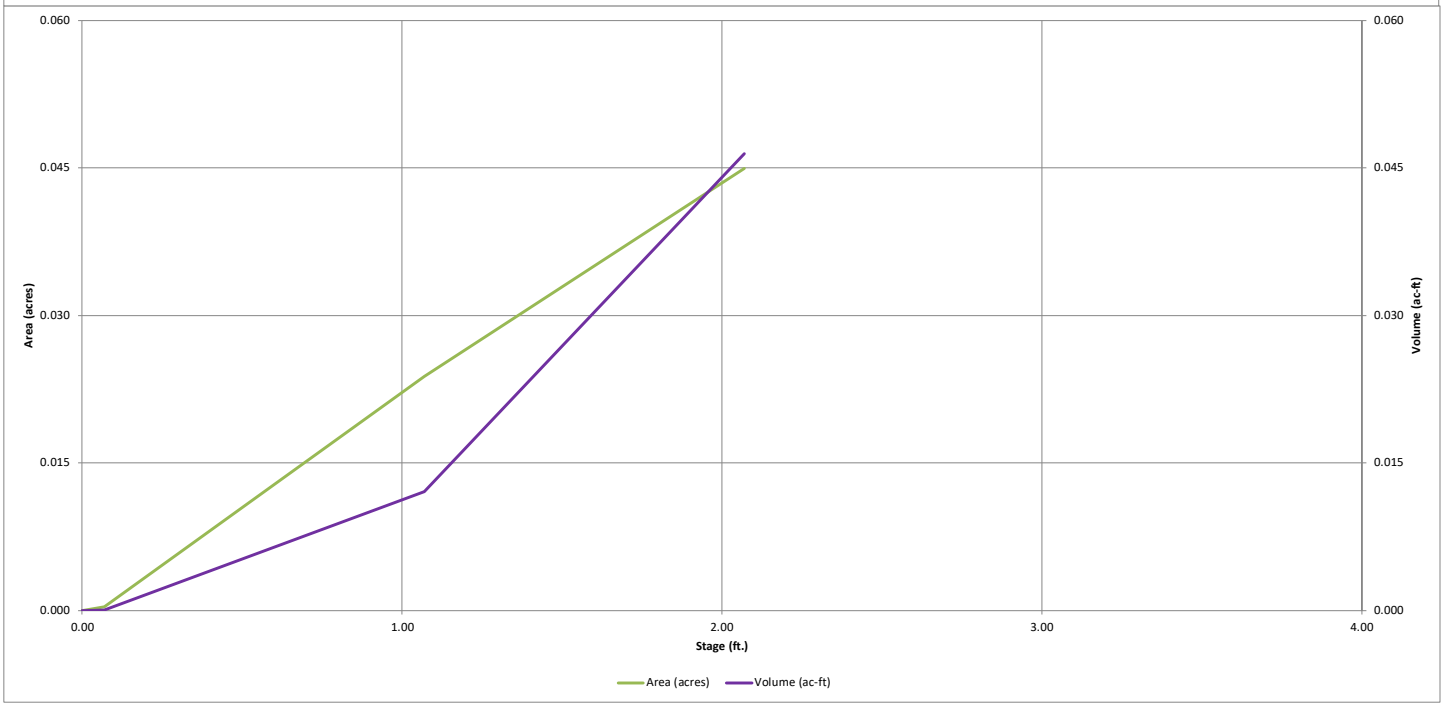
Depth Increment = ft

Stage - Storage Description	Stage (ft)	Optional Override Stage (ft)	Length (ft)	Width (ft)	Area (ft^2)	Optional Override Area (ft^2)	Area (acre)	Volume (ft^3)	Volume (ac-ft)
Top of Micropool	--	0.00	--	--	--	0	0.000		
	--	0.07	--	--	--	16	0.000	1	0.000
	--	1.07	--	--	--	1,038	0.024	527	0.012
	--	2.07	--	--	--	1,958	0.045	2,025	0.046

DETENTION BASIN STAGE-STORAGE TABLE BUILDER

MHFD-Detention, Version 4.06 (July 2022)



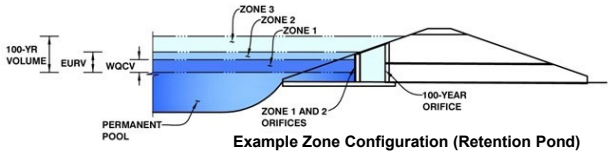


DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.06 (July 2022)

Project: **Dardanes**

Basin ID: **Detention Pond**



Example Zone Configuration (Retention Pond)

	Estimated Stage (ft)	Estimated Volume (ac-ft)	Outlet Type
Zone 1 (WQCV)	0.66	0.004	Orifice Plate
Zone 2 (EURV)	1.06	0.008	Rectangular Orifice
Zone 3 (100-year)	1.54	0.014	Rectangular Orifice
Total (all zones)		0.025	

User Input: Orifice at Underdrain Outlet (typically used to drain WQCV in a Filtration BMP)

Underdrain Orifice Invert Depth =	N/A	ft (distance below the filtration media surface)	Underdrain Orifice Area =	N/A	ft^2
Underdrain Orifice Diameter =	N/A	inches	Underdrain Orifice Centroid =	N/A	feet

Calculated Parameters for Underdrain

User Input: Orifice Plate with one or more orifices or Elliptical Slot Weir (typically used to drain WQCV and/or EURV in a sedimentation BMP)

Centroid of Lowest Orifice =	0.00	ft (relative to basin bottom at Stage = 0 ft)	WQ Orifice Area per Row =	8.333E-04	ft^2
Depth at top of Zone using Orifice Plate =	0.66	ft (relative to basin bottom at Stage = 0 ft)	Elliptical Half-Width =	N/A	feet
Orifice Plate: Orifice Vertical Spacing =	5.00	inches	Elliptical Slot Centroid =	N/A	feet
Orifice Plate: Orifice Area per Row =	0.12	sq. inches (diameter = 3/8 inch)	Elliptical Slot Area =	N/A	ft^2

Calculated Parameters for Plate

User Input: Stage and Total Area of Each Orifice Row (numbered from lowest to highest)

	Row 1 (required)	Row 2 (optional)	Row 3 (optional)	Row 4 (optional)	Row 5 (optional)	Row 6 (optional)	Row 7 (optional)	Row 8 (optional)
Stage of Orifice Centroid (ft)	0.00	0.40						
Orifice Area (sq. inches)	0.12	0.12						

	Row 9 (optional)	Row 10 (optional)	Row 11 (optional)	Row 12 (optional)	Row 13 (optional)	Row 14 (optional)	Row 15 (optional)	Row 16 (optional)
Stage of Orifice Centroid (ft)								
Orifice Area (sq. inches)								

User Input: Vertical Orifice (Circular or Rectangular)

	Zone 2 Rectangular	Zone 3 Rectangular			Zone 2 Rectangular	Zone 3 Rectangular	
Invert of Vertical Orifice =	0.66	1.06	ft (relative to basin bottom at Stage = 0 ft)	Vertical Orifice Area =	0.03	0.96	ft^2
Depth at top of Zone using Vertical Orifice =	1.06	1.54	ft (relative to basin bottom at Stage = 0 ft)	Vertical Orifice Centroid =	0.20	0.24	feet
Vertical Orifice Height =	4.80	5.76	inches				
Vertical Orifice Width =	1.00	24.00	inches				

Calculated Parameters for Vertical Orifice

User Input: Overflow Weir (Dropbox with Flat or Sloped Grate and Outlet Pipe OR Rectangular/Trapezoidal Weir and No Outlet Pipe)

	Not Selected	Not Selected			Not Selected	Not Selected	
Overflow Weir Front Edge Height, Ho =	N/A	N/A	ft (relative to basin bottom at Stage = 0 ft)	Height of Grate Upper Edge, H_t =	N/A	N/A	feet
Overflow Weir Front Edge Length =	N/A	N/A	feet	Overflow Weir Slope Length =	N/A	N/A	feet
Overflow Weir Grate Slope =	N/A	N/A	H:V	Grate Open Area / 100-yr Orifice Area =	N/A	N/A	
Horiz. Length of Weir Sides =	N/A	N/A	feet	Overflow Grate Open Area w/o Debris =	N/A	N/A	ft^2
Overflow Grate Type =	N/A	N/A		Overflow Grate Open Area w/ Debris =	N/A	N/A	ft^2
Debris Clogging % =	N/A	N/A	%				

Calculated Parameters for Overflow Weir

User Input: Outlet Pipe w/ Flow Restriction Plate (Circular Orifice, Restrictor Plate, or Rectangular Orifice)

	Not Selected	Not Selected			Not Selected	Not Selected	
Depth to Invert of Outlet Pipe =	N/A	N/A	ft (distance below basin bottom at Stage = 0 ft)	Outlet Orifice Area =	N/A	N/A	ft^2
Circular Orifice Diameter =	N/A	N/A	inches	Outlet Orifice Centroid =	N/A	N/A	feet
				Half-Central Angle of Restrictor Plate on Pipe =	N/A	N/A	radians

Calculated Parameters for Outlet Pipe w/ Flow Restriction Plate

User Input: Emergency Spillway (Rectangular or Trapezoidal)

Spillway Invert Stage=	1.54	ft (relative to basin bottom at Stage = 0 ft)	Spillway Design Flow Depth=	0.07	feet
Spillway Crest Length =	10.00	feet	Stage at Top of Freeboard =	2.11	feet
Spillway End Slopes =	4.00	H:V	Basin Area at Top of Freeboard =	0.04	acres
Freeboard above Max Water Surface =	0.50	feet	Basin Volume at Top of Freeboard =	0.05	acre-ft

Calculated Parameters for Spillway

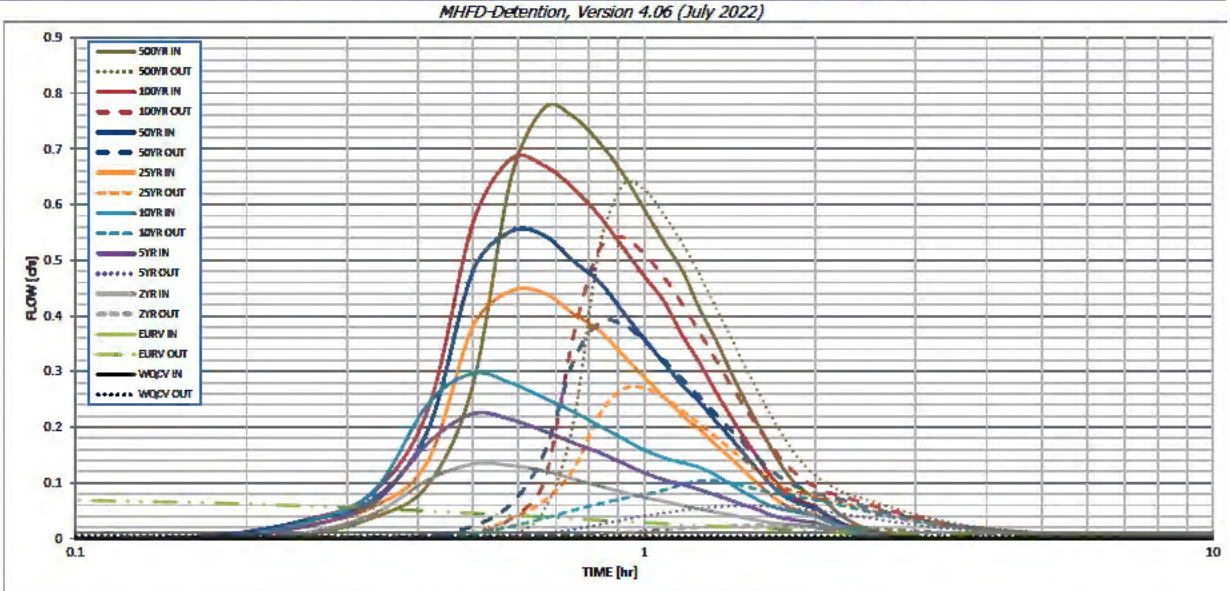
Routed Hydrograph Results

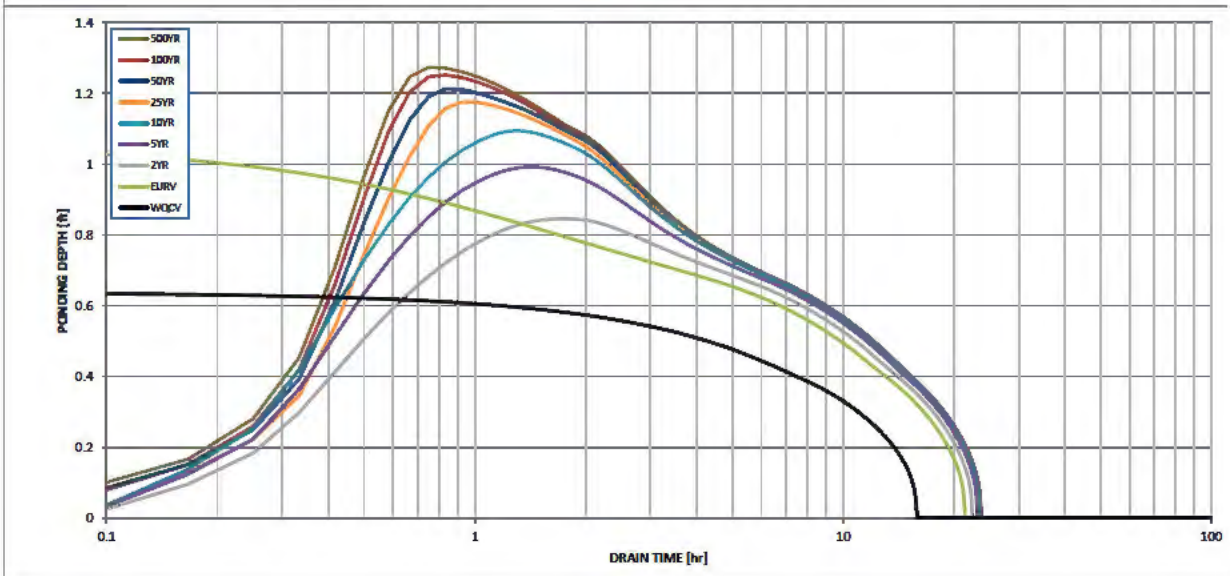
The user can override the default CUHP hydrographs and runoff volumes by entering new values in the Inflow Hydrographs table (Columns W through AF).

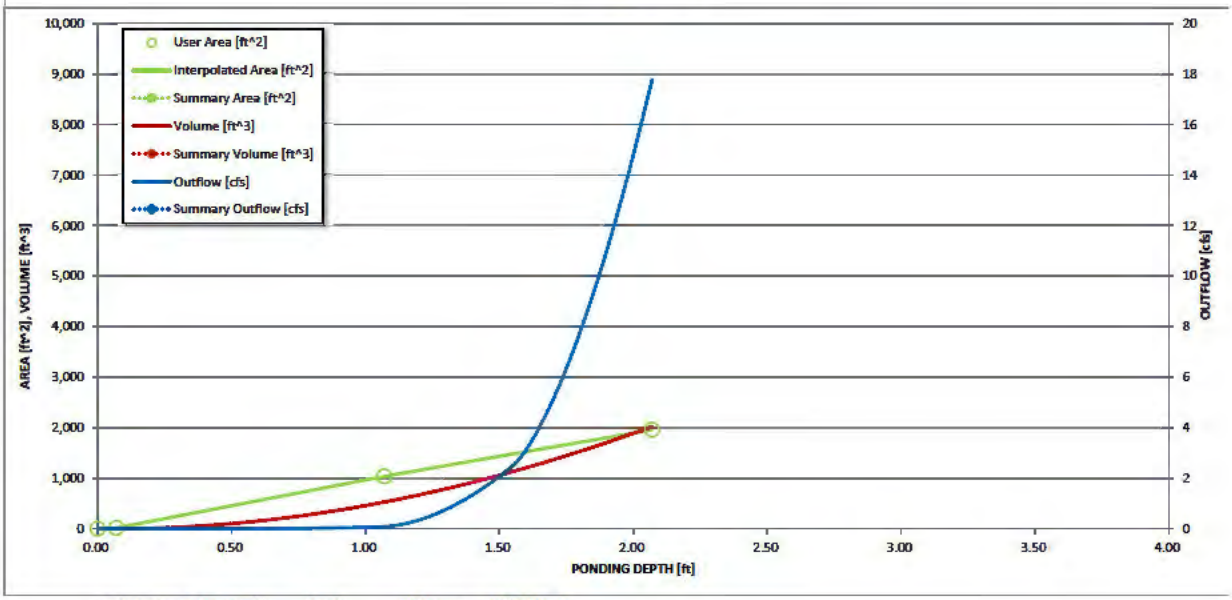
Design Storm Return Period =	WQCV	EURV	2 Year	5 Year	10 Year	25 Year	50 Year	100 Year	500 Year
One-Hour Rainfall Depth (in) =	N/A	N/A	1.00	1.33	1.62	2.06	2.43	2.83	3.14
CUHP Runoff Volume (acre-ft) =	0.004	0.012	0.010	0.016	0.021	0.031	0.039	0.048	0.054
Inflow Hydrograph Volume (acre-ft) =	N/A	N/A	0.010	0.016	0.021	0.031	0.039	0.048	0.054
CUHP Predevelopment Peak Q (cfs) =	N/A	N/A	0.0	0.1	0.1	0.2	0.3	0.4	0.4
OPTIONAL Override Predevelopment Peak Q (cfs) =	N/A	N/A						1.1	
Predevelopment Unit Peak Flow, q (cfs/acre) =	N/A	N/A	0.03	0.23	0.39	0.80	1.06	4.32	1.63
Peak Inflow Q (cfs) =	N/A	N/A	0.1	0.2	0.3	0.4	0.6	0.7	0.8
Peak Outflow Q (cfs) =	0.0	0.1	0.0	0.06	0.1	0.3	0.4	0.54	0.6
Ratio Peak Outflow to Predevelopment Q =	N/A	N/A	N/A	1.0	1.1	1.3	1.5	0.5	1.6
Structure Controlling Flow =	Plate	Vertical Orifice 2	Vertical Orifice 1	Vertical Orifice 1	Vertical Orifice 2	Vertical Orifice 2	Vertical Orifice 2	Vertical Orifice 2	ertical Orifice 2
Max Velocity through Grate 1 (fps) =	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Max Velocity through Grate 2 (fps) =	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Time to Drain 97% of Inflow Volume (hours) =	15	19	20	20	19	18	17	15	14
Time to Drain 99% of Inflow Volume (hours) =	**15**	20	22	22	22	21	21	20	20
Maximum Ponding Depth (ft) =	0.64	1.07	0.85	0.99	1.09	1.18	1.21	1.25	1.27
Area at Maximum Ponding Depth (acres) =	0.01	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03
Maximum Volume Stored (acre-ft) =	0.004	0.012	0.007	0.010	0.013	0.015	0.016	0.017	0.017

DETENTION BASIN OUTLET STRUCTURE DESIGN

MHFD-Detention, Version 4.06 (July 2022)







S-A-V-D Chart Axis Override | X-axis | Left Y-Axis | Right Y-Axis

DETENTION BASIN OUTLET STRUCTURE DESIGN

Outflow Hydrograph Workbook Filename:

Inflow Hydrographs

The user can override the calculated inflow hydrographs from this workbook with inflow hydrographs developed in a separate program.

	SOURCE	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP	CUHP
Time Interval	TIME	WQCV [cfs]	EURV [cfs]	2 Year [cfs]	5 Year [cfs]	10 Year [cfs]	25 Year [cfs]	50 Year [cfs]	100 Year [cfs]	500 Year [cfs]
5.00 min	0:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0:05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	0:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	0:15:00	0.00	0.00	0.01	0.02	0.03	0.02	0.03	0.03	0.04
	0:20:00	0.00	0.00	0.04	0.06	0.08	0.06	0.07	0.08	0.10
	0:25:00	0.00	0.00	0.11	0.17	0.24	0.14	0.20	0.23	0.28
	0:30:00	0.00	0.00	0.13	0.22	0.30	0.38	0.48	0.57	0.65
	0:35:00	0.00	0.00	0.13	0.21	0.28	0.44	0.55	0.68	0.77
	0:40:00	0.00	0.00	0.12	0.19	0.25	0.44	0.54	0.67	0.76
	0:45:00	0.00	0.00	0.11	0.17	0.23	0.40	0.50	0.63	0.71
	0:50:00	0.00	0.00	0.09	0.15	0.20	0.37	0.46	0.58	0.66
	0:55:00	0.00	0.00	0.08	0.14	0.18	0.33	0.41	0.52	0.59
	1:00:00	0.00	0.00	0.07	0.12	0.16	0.29	0.36	0.47	0.53
	1:05:00	0.00	0.00	0.07	0.11	0.15	0.25	0.32	0.43	0.48
	1:10:00	0.00	0.00	0.06	0.10	0.14	0.22	0.28	0.36	0.41
	1:15:00	0.00	0.00	0.05	0.09	0.13	0.20	0.25	0.32	0.36
	1:20:00	0.00	0.00	0.05	0.08	0.11	0.17	0.21	0.27	0.30
	1:25:00	0.00	0.00	0.04	0.07	0.10	0.15	0.18	0.22	0.25
	1:30:00	0.00	0.00	0.04	0.06	0.08	0.12	0.15	0.18	0.21
	1:35:00	0.00	0.00	0.03	0.05	0.07	0.10	0.12	0.15	0.16
	1:40:00	0.00	0.00	0.03	0.04	0.06	0.08	0.10	0.11	0.13
	1:45:00	0.00	0.00	0.03	0.04	0.05	0.06	0.08	0.09	0.10
	1:50:00	0.00	0.00	0.03	0.03	0.05	0.05	0.07	0.07	0.08
	1:55:00	0.00	0.00	0.02	0.03	0.04	0.05	0.06	0.06	0.07
	2:00:00	0.00	0.00	0.02	0.03	0.04	0.04	0.05	0.06	0.07
	2:05:00	0.00	0.00	0.02	0.02	0.03	0.03	0.04	0.04	0.05
	2:10:00	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.03	0.04
	2:15:00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.02	0.03
	2:20:00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.02
	2:25:00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.02
	2:30:00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01
	2:35:00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01
	2:40:00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
	2:45:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
	2:50:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	2:55:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:25:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:30:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:35:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:40:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:45:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:50:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	3:55:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:25:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:30:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:35:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:40:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:45:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:50:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	4:55:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:00:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:05:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:10:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:15:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:20:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:25:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:30:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:35:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:40:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:45:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:50:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	5:55:00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

HEC-RAS Locations: User Defined Profile: 1%

River	Reach	River Sta	Profile	Plan	Q Total	Min Ch El	W.S. Elev	Crit W.S.	E.G. Elev	E.G. Slope	Vel Chnl	Flow Area	Top Width	Froude # Chl
					(cfs)	(ft)	(ft)	(ft)	(ft)	(ft/ft)	(ft/s)	(sq ft)	(ft)	
BEAVERCREEK	North	10015	1%	Corrected Model	30006.43	4223.08	4233.31		4233.53	0.001248	6.06	9420.33	4262.68	0.35
BEAVERCREEK	North	10015	1%	Proposed Model	30024.46	4223.08	4233.32		4233.54	0.001240	6.05	9445.32	4266.35	0.35
BEAVERCREEK	North	9858	1%	Corrected Model	30006.43	4223.15	4233.36	4231.71	4233.38	0.000125	1.54	25148.16	8015.11	0.12
BEAVERCREEK	North	9858	1%	Proposed Model	30024.46	4223.15	4233.37	4231.71	4233.39	0.000124	1.53	25195.14	8019.75	0.12
BEAVERCREEK	North	9137	1%	Corrected Model	38400.00	4222.10	4233.31		4233.33	0.000081	1.53	35231.63	8973.72	0.09
BEAVERCREEK	North	9137	1%	Proposed Model	38400.00	4222.10	4233.32		4233.34	0.000081	1.52	35288.59	8974.99	0.09
BEAVERCREEK	North	8158 FIS B	1%	Corrected Model	38400.00	4219.17	4233.30	4229.03	4233.31	0.000041	1.28	45106.80	10618.06	0.07
BEAVERCREEK	North	8158 FIS B	1%	Proposed Model	38400.00	4219.17	4233.30	4229.03	4233.32	0.000041	1.28	45166.76	10620.63	0.07
BEAVERCREEK	North	7033	1%	Corrected Model	38400.00	4221.38	4233.29		4233.30	0.000061	1.46	49907.90	10634.38	0.09
BEAVERCREEK	North	7033	1%	Proposed Model	38400.00	4221.38	4233.30		4233.31	0.000060	1.45	49780.58	10540.91	0.09
BEAVERCREEK	North	7032.9	1%	Corrected Model	38400.00	4221.21	4233.29		4233.30	0.000063	1.51	49197.19	10402.67	0.09
BEAVERCREEK	North	7032.9	1%	Proposed Model	38400.00	4221.21	4233.30		4233.31	0.000062	1.50	49094.22	10313.68	0.09
BEAVERCREEK	North	7032	1%	Corrected Model	38400.00	4218.87	4233.13		4233.20	0.000156	2.46	17733.44	9736.94	0.14
BEAVERCREEK	North	7032	1%	Proposed Model	38400.00	4218.87	4233.13		4233.20	0.000156	2.46	17733.44	9736.94	0.14
BEAVERCREEK	North	6102	1%	Corrected Model	38400.00	4217.74	4233.02	4227.61	4233.13	0.000192	2.49	14488.62	10047.10	0.15
BEAVERCREEK	North	6102	1%	Proposed Model	38400.00	4217.74	4233.02	4227.61	4233.13	0.000192	2.49	14488.62	10047.10	0.15

T:\0259_002_00\DARDANES\Dwg\CDH\0259-002-WEC-SUP.dwg, 05-DRNG, 5/22/2025 6:48:33 PM, AutoCAD PDF (General Documentation).pc3, ARCH expand D (36.00 x 24.00 Inches), WEC 24*36, WEC 24*36

TROY & WANDA BLAKE
703 COTTON ST
PARCEL NO.: 103734401007
ZONE: C

COTTON STREET
36' RIGHT-OF-WAY
(REC. NO. 1400041)

DETENTION POND SPILLWAY WALL & OUTLET PLATE (SEE SHEET 7)

10' DITCH RIGHT-OF-WAY PER CHURCH SUBDIVISION RECEPTION NO. 1400075

SET 24" #4 REBAR W/ 1.0" BLUE PASTIC CAP LS 38175

(BASIS OF BEARINGS) N 88°53'35" E 480.38'

SET 24" #4 REBAR W/ 1.0" BLUE PASTIC CAP LS 38175

N 88°53'35" E 196.59

0.411 AC. +/- (17,907 SF)

GREGORY & REGINA DARDANES
968 N CUSTER ST.
LOT 7 OF CHURCH SUBDIVISION EXCEPT THE SOUTH 25 FEET
PARCEL NO. 103734417009
ZONE: RR

FOUND BENT #5 REBAR SOUTH: 2.74' & EAST: 0.75' FROM ACCEPTED POSTION

20' PER CHURCH SUBDIVISION (NO EXISTING ALLEY) RECEPTION NO. 1400075

ZONE: RR

1' HARDSCAPE PAN

EX W 0.33 | .04 | .48

L = 164' S = 1.5%

L = 60' S = 1.3%

L = 45' S = 0.5%

CONEX CONTAINER

COVERED PARKING / STORAGE

CONEX CONTAINER

CONEX CONTAINER

COVERED PARKING / STORAGE

CONEX CONTAINER

WA 0.14 | .54 | .74

L = 100' S = 0.3%

L = 10' S = 25%

WC 0.04 | .11 | .52

L = 85' S = 0.3%

L = 9' S = 22%

WB 0.06 | .41 | .67

L = 23' S = 20%

WD 0.09 | .19 | .56

L = 135' S = 0.3%

STORAGE TRAILER

STORAGE TRAILER

10' REAR SETBACK

1' HARDSCAPE PAN

30' FRONT SETBACK

EX BUILDING 1,128 SF

L = 42' S = 3.0%

40' SIDE SETBACK

EX E 0.08 | .04 | .48

S 01°18'02" E 31.52

S 89°11'06" W 196.87'

FOUND 1" PIPE

NORTH CUSTER STREET
40' RIGHT-OF-WAY
(REC. NO. 1400075)

GRADE WALL 1FT INSIDE PROPERTY LINE

SET 24" #4 REBAR W/ 1.0" BLUE PASTIC CAP LS 38175

MICHELLE MARES
960 N CUSTER ST
PARCEL NO.: 103734417007
ZONE: RR

NET CHANGE IN IMPERVIOUSNESS TABLE

DESCRIPTION	AREA	IMPERVIOUS %	EQUIVALENT AREA
EXISTING BUILDING	1,128 SF	90 %	1,015 SF
PROPOSED BUILDING	2,693 SF	90 %	2,424 SF
TOTAL CHANGE IN BUILDING	**1,565 SF**	90 %	**1,409 SF**
EXISTING GRAVEL	387 SF	40 %	155 SF
PROPOSED GRAVEL	4,968 SF	40 %	1,987 SF
TOTAL CHANGE IN GRAVEL	**4,581 SF**	40 %	**1,832 SF**
EXISTING CONCRETE	25 SF	100 %	25 SF
PROPOSED CONCRETE	578 SF	100 %	578 SF
TOTAL CHANGE IN CONCRETE	**553 SF**	100 %	**553 SF**
NET CHANGE IN IMPERVIOUSNESS			**3,794 SF**
DISTURBED AREA			**12,033 SF**

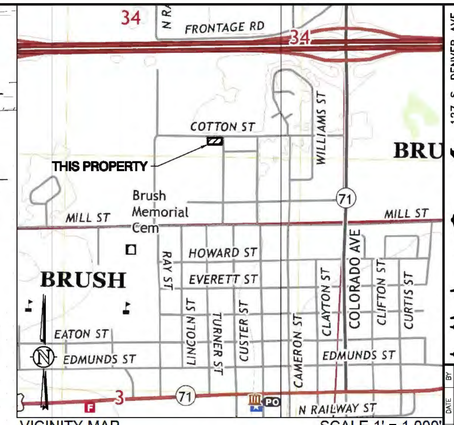
POND WATER SURFACE & RELEASE RATE TABLE

VOLUME DESCRIPTION	REQUIRED VOLUME (CFT)	WATER SURFACE ELEVATION	DESIGN RELEASE RATE	HISTORIC RELEASE RATE
WQCV	171.4	4231.44	----	----
5 YR	311.0	4231.79	0.06 CFS	0.05 CFS
10 YR	451.4	4232.04	0.10 CFS	0.19 CFS
100 YR	993.4	4232.41	0.54 CFS	1.08 CFS

10 5 0 10 20
FULL SCALE: 1" = 10'
HALF SCALE: 1" = 20'

ALL STRUCTURES WITH A TOP OF FOUNDATION LOWER THAN 1 FOOT ABOVE THE BASE FLOOD ELEVATION MUST HAVE FLOOD OPENINGS WITH A MINIMUM OF 1 SQUARE INCH OF OPEN AREA FOR EACH SQUARE FOOT OF ENCLOSED AREA.

TYPICAL 1' HARDSCAPE PAN DETAIL
SCALE 1" = 2'



VICINITY MAP SCALE 1' = 1,000'

SE 1/4, S34, T4N, R56W, 6th P.M.
SHOWN VICINITY MAP TAKEN FROM USGS QUAD MAPS - BRUSH 7.5 MIN

L - INITIAL LENGTH
S - INTIAL SLOPE
L - TRAVEL LENGTH
S - TRAVEL SLOPE
* AVERAGE SLOPE INCLUDES ROOF SLOPE OF 8.33%

$L_i = LI$, $S_i = SI$; $L_t = Lt$, $S_t = St$

EXISTING DRAINAGE LEGEND

E — EXISTING SUB-BASIN DESIGNATION
1.12 | .73 | .83 — C5, C100
AREA IN ACRES
8 — DESIGN POINT
EXISTING BASIN
EXISTING DRAINAGE PATTERN

DEVELOPED DRAINAGE LEGEND

B1 — SUB-BASIN DESIGNATION
3.20 | .58 | .88 — C5, C100
AREA IN ACRES
DEVELOPED BASIN
PROPOSED DRAINAGE PATTERN
8 — DESIGN POINT
EMERGENCY OVERFLOW

Existing Runoff Table - Dardanes Property

BASIN	Impervious	C-YR	I	A	CIA(YR-existing)	Flow	DESIGN POINT
EX E							
C_2 (MHFD 2018)	20.91	0.16	2.96	0.08	0.04	cfs	E1
C_5	20.91	0.20	3.94	0.08	0.07	cfs	
C_{10}	20.91	0.29	4.80	0.08	0.11	cfs	
C_{100}	20.91	0.57	8.38	0.08	0.39	cfs	
EX W							
C_2 (MHFD 2018)	8.48	0.06	2.00	0.33	0.04	cfs	E2
C_5	8.48	0.10	2.66	0.33	0.09	cfs	
C_{10}	8.48	0.20	3.24	0.33	0.21	cfs	
C_{100}	8.48	0.52	5.66	0.33	0.97	cfs	

Developed Runoff Table - Dardanes Property

BASIN	Impervious	C-YR	I	A	CIA(YR-DEVELOPED)	cfs	DESIGN POINT
W A							
C_2 (MHFD 2018)	54.17	0.42	2.72	0.14	0.17	cfs	1
C_5	54.17	0.48	3.62	0.14	0.25	cfs	
C_{10}	54.17	0.53	4.41	0.14	0.34	cfs	
C_{100}	54.17	0.71	7.70	0.14	0.79	cfs	
W B							
C_2 (MHFD 2018)	45.93	0.37	2.87	0.06	0.06	cfs	2
C_5	45.93	0.41	3.82	0.06	0.09	cfs	
C_{10}	45.93	0.47	4.65	0.06	0.13	cfs	
C_{100}	45.93	0.67	8.13	0.06	0.32	cfs	
W C							
C_2 (MHFD 2018)	8.78	0.07	3.39	0.04	0.01	cfs	3
C_5	8.78	0.11	4.51	0.04	0.02	cfs	
C_{10}	8.78	0.20	5.49	0.04	0.04	cfs	
C_{100}	8.78	0.52	9.60	0.04	0.20	cfs	
W D							
C_2 (MHFD 2018)	18.53	0.15	3.39	0.09	0.04	cfs	4
C_5	18.53	0.19	4.51	0.09	0.07	cfs	
C_{10}	18.53	0.27	5.49	0.09	0.13	cfs	
C_{100}	18.53	0.56	9.60	0.09	0.47	cfs	

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Western Engineering Consultants, inc LLC

No	DATE	BY
0	INITIAL RELEASE	04/11/25	CFC
1	REV. PER CITY COMMENTS	05/22/25	CFC

DARDANES PROPERTY
CONTACT:
GREGORY DARDANES
948 WILLIAMS STREET
BRUSH, CO 80723

DRAINAGE PLAN
SPECIAL USE PERMIT
968 NORTH CUSTER STREET
CITY OF BRUSH, MORGAN COUNTY, COLORADO

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DESIGNED BY: CFC
DRAWN BY: CFC
CHECKED BY: CFC
PROJECT NO. 01-0259.002.00
DOC CON # 0005-DRNG
SHEET 5 OF 6

STRUCTURAL NOTES:

1. ALL CONCRETE SHALL BE C.D.O.T. CLASS B CAST IN PLACE.
2. ALL EXPOSED CONCRETE CORNERS SHALL BE CHAMFER 3/4".
3. ALL REINFORCING BARS SHALL HAVE A MINIMUM 2-1/2" CLEARANCE AND COVER.
4. ALL REINFORCING BARS SHALL BE EPOXY COATED.
5. ALL STEPS SHALL BE IN ACCORDANCE WITH AASHTO M199.

REINFORCEMENT:

1. BAR REINFORCEMENT SHALL BE ASTM A615, (GRADE 60), DEFORMED, EPOXY COATED, UNLESS NOTED OTHERWISE. ALL REINFORCING SHALL BE FREE OF MUD, ICE OR OTHER LAITENANCE THAT COULD LESSEN ANCHORAGE AND BOND TO THE SURROUNDING CONCRETE.
2. REBAR SUPPORTS: MANUFACTURE REBAR SUPPORTS FROM STEEL WIRE, PLASTIC, OR PRECAST CONCRETE ACCORDING TO CRSI's "MANUAL OF STANDARD PRACTICE".
3. PLACEMENT: COMPLY WITH CRSI's "MANUAL OF STANDARD PRACTICE" FOR PLACING REINFORCEMENT.
4. CONCRETE COVER AND PROTECTION FOR REINFORCING BARS SHALL CONFORM TO ACI 318, PART 3, CHAPTER 7, SECTION 7.7.1 "CAST-IN-PLACE CONCRETE NONPRESTRESSED" UNLESS NOTED OTHERWISE.

POND WATER SURFACE & RELEASE RATE TABLE

VOLUME DESCRIPTION	REQUIRED VOLUME (CFT)	WATER SURFACE ELEVATION	DESIGN RELEASE RATE	HISTORIC RELEASE RATE
WQCV	171.4	4231.44	---	---
5 YR	311.0	4231.79	0.06 CFS	0.05 CFS
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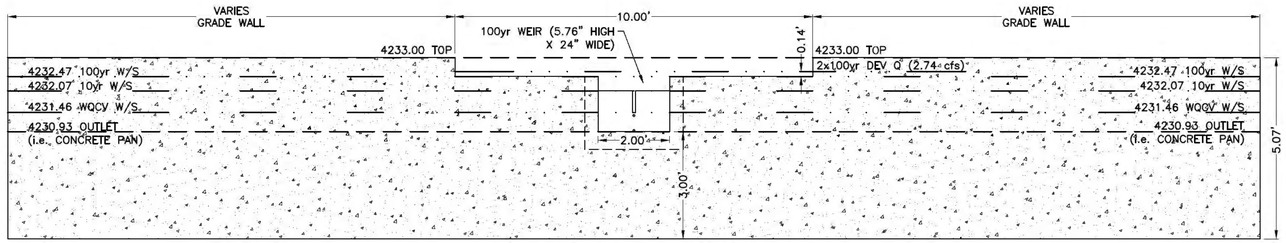
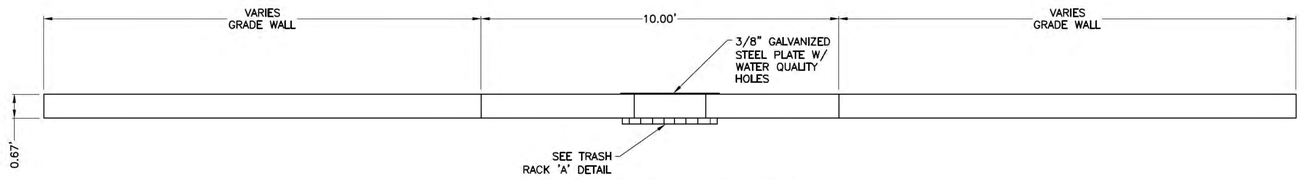
100 YR	993.4	4232.41	0.54 CFS	1.08 CFS

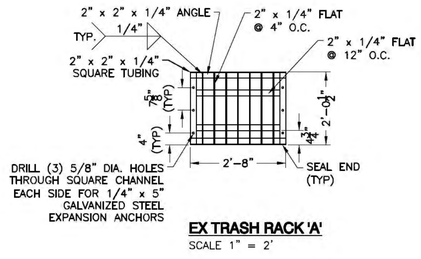


DETENTION POND SPILLWAY WALL WEIR (6" THICK)
PROFILE VIEW
SCALE 1" = 2'

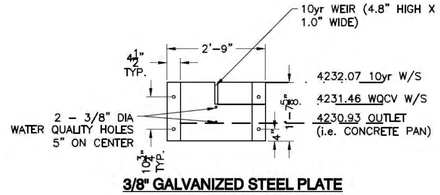
REINFORCE WALL WITH SINGLE MAT - #4 REBAR 12" O.C. EACH WAY.



DETENTION POND SPILLWAY WALL WEIR (8" THICK)
PLAN VIEW
SCALE 1" = 2'



EX TRASH RACK 'A'
SCALE 1" = 2'



3/8" GALVANIZED STEEL PLATE W/ WATER QUALITY HOLES

RIPRAP BEDDING REQUIREMENTS

UDFCD Table MD-12 (Volume 1)			
	Minimum Bedding Thickness (inches)		
	Fine-Grained Soils*		Coarse-Grained soils**
Riprap Designation	Type I	Type II	Type II
VL (d_{50} =6 in), L (d_{50}=9 in)	4	4	6
M (d_{50} =12 in)	4	4	6
H (d_{50} =18 in)	4	6	8
VH (d_{50} =24 in)	4	6	8

* May substitute one 12-inch layer of type II bedding. The substitution of one layer of type II bedding shall not be permitted at drop structures. The use of a combination of filter fabric and Type II bedding at drop structures is acceptable.

**Fifty percent or more by weight retained on the #40 sieve.

BEDDING GRADATION

UDFCD Table MD-11		
	Percent Weight by Passing Square-Mesh Sieves	
U.S. Standard Sieve Size	Type I CDOT Sect. 703.01	Type II CDOT Sect. 703.09 Class A
3 inches	-----	90-100
1 1/2 inches	-----	-----
3/4 inches	-----	20-90
3/8 inches	100	-----
#4	95-100	0-20
#16	45-80	-----
#50	10-30	-----
#100	2-10	-----
#200	0-2	0-3

Classification & Gradation of Ordinary Riprap UDFCD Table MD-7			
Riprap Designation	% Smaller Than Given Size by Weight	Intermediate Rock Dimensions (inches)	d50 (inches)*
Type VL	70-100 50-70 35-50 2-10	12 9 6 2	6**
Type L	70-100 50-70 35-50 2-10	15 12 9 3	9**
Type M	70-100 50-70 35-50 2-10	21 18 12 4	12**
Type H	70-100 50-70 35-50 2-10	30 24 18 6	18

SOIL RIPRAP

70%-75% RIPRAP
25%-30% SOIL

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01-0259.002.00

DOC CON #
0006-DRNG

SHEET
6 OF 6

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ZEREN
LAND SERVICES
OIL AND GAS TITLE

P.O. Box 336337
Greeley, CO 80633-0606

Phone (970) 351-0733
Fax (970) 351-0867

LIST OF MINERAL OWNERS AND MINERAL LESSEES for NOTIFICATION
(Gregory W. & Regina A. Dardanes Property)

Subject Property:

Township 4 North, Range 56 West, 6th P.M., Morgan County, CO
Section 34: All of Lot 7 of Church Subdivision of Mun's Addition to the Town (now city) of Brush, Colorado, according to the recorded plat thereof; EXCEPT the South 25 feet of said Lot 7, being a part of the SE¼

Zeren Land Services, an oil and gas title research company, states that to the best of its knowledge the following is a true and accurate list of the names and addresses of the mineral owners and mineral leasehold owners entitled to notice under the Surface Development Notification Act, Colorado Revised Statutes §24-65.5-101, et seq. in the Subject Property based upon the records of the Morgan County Assessor and Clerk Recorder as of October 7, 2024 at 7:45 a.m.:

Mineral Owners:

None (entitled to notice)

Mineral Leasehold Owners:

None (entitled to notice)

Dated this 16th day of October, 2024.

ZEREN LAND SERVICES

By: Cynthia A. E. Zeren, CPL
Certified Professional Landman #4044

At the request of **Western Engineering Consultants, Inc., LLC** ("Client"), Zeren Land Services, an independent land consulting firm, has prepared the foregoing list of mineral estate owners entitled to notice under the Surface Development Notification Act, Colorado Revised Statutes §24-65.5-101, et seq.

Zeren Land Services, searched (i) the records of the Morgan County Assessor relating to the Subject Property for persons identified therein as mineral estate owners, and (ii) the records of the Morgan County Clerk and Recorder relating to the Subject Property for recorded requests for notification in the form specified in the Surface Development Notification Act. The results of these searches are set forth above in this List of Mineral Owners Entitled to Notice. At the date of the search, the records of the Assessor and the Clerk and Recorder were posted through October 7, 2024 at 7:45 A.M.

The Morgan County Clerk and Recorder inputs the Requests for Notification of Surface Development in a way which does not conform to the applicable statutory guidelines. Although we make every reasonable effort to locate the applicable Requests, our search is, therefore, further restricted by the current practices of the Office of the Clerk and Recorder.

Zeren Land Services, agreed to prepare this listing for the Client only if the Client agreed that the liability of Zeren Land Services, would be strictly limited to the amount paid by the Client for such services. Zeren Land Services, makes no warranty, express, implied or statutory, in connection with the accuracy, completeness or sufficiency of such listing of mineral estate owners. In the event the listing proves to be inaccurate, incomplete, insufficient or otherwise defective in any way whatsoever or for any reason whatsoever, **the liability of Zeren Land Services, shall never exceed the actual amount paid by Client to Zeren Land Services**, for the listing.

In order to induce Zeren Land Services, to provide such services, **Client further agreed to indemnify and hold Zeren Land Services, its managers, members and employees, harmless from and against all claims by all persons (including, but not limited to Client) of whatever kind or character arising out of the preparation and use of each such listing of mineral estate owners, to the extent that such claims exceed the actual amount paid to Client by Zeren Land Services, for such listing.** Client specifically intends that both the foregoing limitation on liability and foregoing indemnification shall be binding and effective without regard to the cause of the claim, inaccuracy or defect, including, but not limited to, breach of representation, warranty or duty, any theory of tort or of breach of contract, or the fault or negligence of any party (including Zeren Land Services) of any kind or character (regardless of whether the fault or negligence is sole, joint, concurrent, simple or gross). **Client's use of this listing evidences Client's acceptance of, and agreement with, this limitation on liability and the indemnification.**

ZEREN LAND SERVICES

Date: October 16, 2024

By: _____
Cynthia A. E. Zeren, as President

Morgan County Treasurer
Statement of Taxes Due

Account Number R003029	Parcel 103734417009
Assessed To	DARDANES, GREGORY W & REGINA A 948 WILLIAMS ST BRUSH, CO 80723

Legal Description
Subd: CHURCH SUB OF MUNNS ADD, BR (34-4-56) Lot: 07 N91.4FT LT 7

Situs Address
968 N CUSTER ST

Year	Tax	Interest	Fees	Payments	Balance
Tax Charge					
2023	$615.68	$0.00	$0.00	($615.68)	$0.00
Total Tax Charge					$0.00
Grand Total Due as of 10/18/2024					**$0.00**

Tax Billed at 2023 Rates for Tax Area 005 - 005 - RE 2J

Authority	Mill Levy	Amount
COUNTY GENERAL FUND	19.5530000	$131.79
ROAD AND BRIDGE FUND	7.5000000	$50.55
SOCIAL SERVICES FUND	2.0000000	$13.48
BRUSH RURAL FIRE DIST	3.3790000*	$22.77
E MORGAN COUNTY HOSPITAL	4.5000000	$30.33
E MORGAN COUNTY LIBRARY	3.5000000	$23.59
LOWER S PLATTE WATER CD	0.9770000*	$6.58
NORTHERN COLO WATER CD	1.0000000	$6.74
RE 2-J BRUSH GENERAL FD	27.0000000	$181.98
RE 2-J BRUSH M/L OVRD	9.1930000	$61.96
RE 2-J BRUSH BOND RED	12.7470000	$85.91
Taxes Billed 2023	91.3490000	$615.68

* Credit Levy

Values	Actual	Assessed
SINGLE FAMILY - LAND	$18,190	$1,220
SINGLE FAMILY - IMPS	$82,460	$5,520
Total	$100,650	$6,740

**********TAX LIEN SALE REDEMPTIONS MUST BE PAID BY CASH OR CASHIER'S CHECK**********

Special taxing districts and the boundaries of such districts may be on file with the County Commissioners, County Clerk, or County Assessor. Unless specifically mentioned, this statement 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 manufactured homes.

ROBERT A SAGEL, MORGAN COUNTY TREASURER
231 Ensign St, PO Box 593, Fort Morgan, CO 80701
Phone: 970-542-3518, Email: esale@co.morgan.co.us
Website: morgancounty.colorado.gov

CONSULTANTS

HARRIS
ENGINEERING
CONSULTANTS, INC.

19176 County Road 21.5
Fort Morgan, CO 80701
(970) 867-4971 | Office

July 08, 2025

Ms. Nicole Hay
Morgan County Planning & Zoning Department
231 Ensign Street
Fort Morgan, CO 80701

Re: Proposed Storge Facility Improvements – Grading and Drainage
Dardanes Property

I have reviewed the documentation that you provided for the proposed improvements at the Dardanes property in Brush to include a storage yard, including the revised *Drainage Narrative* and *Special Use Permit Plans* [*Grading Plan*], dated May 23, 2025. Based on my review, I have the following comments:

- Per the *Grading Plan*, the proposed finished grade at the storage containers and trailers will be 4233.70, which is 0.5 feet above the published BFE of 4233.2 at FIS Cross Section E, located just south of the property. According to the *Drainage Narrative*, this results in floor elevations of both the storage containers and the trailers being at or above the required flood protection elevation (BFE + 1 foot). Despite being elevated on fill above the BFE, residual flood hazards, including but not limited to damage from flooding during larger magnitude events, are still a risk within the SFHA. In accordance with 44 CFR 60.3, it would be within the County's purview to require that both the storage containers and trailers be sufficiently anchored to resist applicable loads including, but not limited to: wind, seismic, buoyancy, hydrostatic and hydrodynamic (the latter three loading conditions would be for the portion of the structure(s) below the flood protection elevation). Alternatively, and at the County's discretion, anchorage of the storage trailers may be precluded if the trailers are fully licensed, ready for highway use and permanently towable by a light duty truck.
- Per the *Grading Plan* and *Drainage Narrative*, runoff within basin WD that does not overtop the proposed driveway is captured and expected to infiltrate. To further what was contemplated in the *Drainage Narrative*, I would recommend that a drywell with connectively to soils meeting the State's infiltration requirements be installed within the proposed drainage retention impoundment in basin WD. The design and installation of the drywell should be in accordance with recommendations provided by a geotechnical engineer. Verification of connectivity to suitable soils that meet state infiltration requirements should be certified by a geotechnical engineer and provided to the County.

Please feel free to contact me with any questions or concerns, or if I may provide further assistance in this matter.

Sincerely,

Matthew C. Harris, PE
CO PE #49409

LANDOWNER LETTERS, REFERRALS & RESPONSES

Landowner Letter Sent & Responses Received

Referral Sent & Responses Received

Notification

Sign Posting Pictures & Affidavit

MORGAN COUNTY
PLANNING AND ZONING DEPARTMENT

July 16, 2025

Dear Neighboring Landowners:

Gregory and Regina Dardanes have submitted an application to our office for a Special Use Permit for the future development of a storage facility, to include conex boxes, storage trailers, and areas for covered parking.

Legal Description: Lot 7, except the South 25' of Lot 7, Church Sub of Munns Addition in the SE¼ of Section 34, Township 4 North, Range 56 West of the 6th P.M., Morgan County, Colorado. Also known as 968 North Custer Street, Brush, CO 80723.

This application is scheduled to be heard by the Board of County Commissioners on **Tuesday, August 5, 2025 at 9:00 A.M.** in the Assembly Room of the Morgan County Administration Building, 231 Ensign St., (Basement Level) Fort Morgan, Colorado. Landowners within 1,320 feet of the subject property are notified of the application and hearing date.

Documents pertaining to the above identified matters are on file in the Planning Administrator's Office located at 231 Ensign St., Fort Morgan, Colorado. If you have any questions pertaining to this application or if you would like to review the file, either contact us at (970) 542-3526 or stop by our office prior to the hearing. You may attend the public hearing and provide comments on the application, or alternatively, if you are not able to attend you may submit written comments to our office no later than **July 30, 2025.**

Sincerely,

Nicole Hay

Nicole Hay
Planning Administrator

For special assistance for the mentioned hearing, please notify us at least 48 hours before the scheduled agenda item. Please call (970) 542-3526 to request any ADA accommodations

Morgan County Government ~ 231 Ensign St ~ PO Box 596 ~ Fort Morgan, CO 80701
Telephone (970) 542-3526 ~ nhay@co.morgan.co.us

DARDANES, GREGORY W & REGINA A

948 WILLIAMS ST
BRUSH, CO 80723

RODRIGUEZ, JOSE C

3 ETHEL CT
BRUSH, CO 80723

FERGUSON, ERIC W

1076 WILLIAMS ST
BRUSH, CO 80723

722-728 LINCOLN LLC

P O BOX 657
LAFAYETTE, CO 80026

LORENZINI, JAMES & LULA

728 TURNER ST
BRUSH, CO 80723

WEIMER, JAMES S & SHIRLEY J

7 NOAH CT
BRUSH, CO 80723

SIMENTAL, MARTHA

1048 WILLIAMS ST
BRUSH, CO 80723

FICCO, MICHAEL EDWARD & SHERRI LINN

725 TURNER ST
BRUSH, CO 80723

DIXON, KEITH & KRISSTINE E

1046 WILLIAMS ST
BRUSH, CO 80723

RMR HOLDINGS

1635 FOXTRAIL DR
LOVELAND, CO 80538

HARPER, DONNA MARIE

1071 WILLIAMS ST
BRUSH, CO 80723

GONZALEZ, ROBERTO & MARIA ELENA

3 NOAH CT
BRUSH, CO 80723

SCHREINER FAMILY TRUST

4053 COTOPAXI DR
LOVELAND, CO 80538

LUNDSTROM, LAWRENCE ANTHONY

4 ETHEL CT
BRUSH, CO 80723

PEREZ, CYNTHIA J

729 TURNER ST
BRUSH, CO 80723

MINJARES, JESUS EMMANUEL RUELAS

5 NOAH CT
BRUSH, CO 80723

HEFNER, PAUL D

1074 WILLIAMS ST
BRUSH, CO 80723

BAUER, COLLEEN R

1079 WILLIAMS ST
BRUSH, CO 80723

OLAGUEZ, MARTIN C

1060 WILLIAMS ST
BRUSH, CO 80723

BURNS, SARA &
KLEIN, CHASE
10 NOAH CT
BRUSH, CO 80723

REED, ALTON B JR & NANCY J

17297 HWY 71
BRUSH, CO 80723

ACOSTA, ANDREW D & BROOKE N

1051 WILLIAMS ST
BRUSH, CO 80723

AMEN, ZACHARY

1053 WILLIAMS ST
BRUSH, CO 80723

GONZALEZ, SAUL FLORES

1055 WILLIAMS
BRUSH, CO 80723

MARTINEZ, ARTURO

1059 WILLIAMS ST
BRUSH, CO 80723

HOLGUIN, DEBORAH L

1063 WILLAMS ST
BRUSH, CO 80723

GRAUBERGER, CHERYL A

1067 WILLIAMS ST
BRUSH, CO 80723

TURNER, JOHN CLAUDE & PATRICIA KAY

1069 WILLIAMS ST
BRUSH, CO 80723

BLAKE, EARL

1038 WILLIAMS ST
BRUSH, CO 80723

VOLLMER, ASHLEY &
PURSLEY, BRISON
1040 WILLIAMS ST
BRUSH, CO 80723

MESCH, ROBERT W

1042 WILLIAMS ST
BRUSH, CO 80723

ORTEGA, OMAR

1056 WILLIAMS ST
BRUSH, CO 80723

CHAVEZ, MICHAEL J

8 NOAH CT
BRUSH, CO 80723

FLINN, JIM C & SUSAN M

726 CARSON ST
BRUSH, CO 80723

CORDOVA, JOSHUA

1044 WILLIAMS ST
BRUSH, CO 80723

VAZQUEZ, LUCIO & ROSA

325 GLACIER AVE
BRUSH, CO 80723

ACOSTA, PAUL A & TERESA M

731 RAY ST
BRUSH, CO 80723

FRITZLER, KATHERINE ANN

P O BOX 812
BRUSH, CO 80723

CHAVEZ, SHAIRE L

9 NOAH CT
BRUSH, CO 80723

HUERTA, INOSENCIO & ANGELA

1 NOAH CT
BRUSH, CO 80723

MONSIVAIS, GREGORIA

1032 WILLIAMS ST
BRUSH, CO 80723

WASHBURN, SHARON

2 ETHEL CT
BRUSH, CO 80723

720 CUSTER TRUST

619 12TH ST UN 353
GOLDEN, CO 80401

SANCHEZ, JUAN A & ERIKA G

1073 WILLIAMS ST
BRUSH, CO 80723

KONECNE, TRINA

1077 WILLIAMS ST
BRUSH, CO 80723

MEZA, KIMBERLY D &
ESKEW, SALLY A
1065 WILLIAMS ST
BRUSH, CO 80723

PARTIDA, CESARIO LIEBANOS &
LIEBANOS, ANOLIA ESPINOZA DE
6 NOAH CT
BRUSH, CO 80723

THOMAS, WENDI L

807 N CUSTER ST
BRUSH, CO 80723

ROBERTS, CLAYTON

1052 WILLIAMS ST
BRUSH, CO 80723

GIBSON, TIMOTHY J &
OCANAS, DENISE
1072 WILLIAMS ST
BRUSH, CO 80723

DUDDEN FAMILY IRREVOCABLE TRUST

12527 HWY 6
HILLROSE, CO 80733

WILSON, BILL LIVING TRUST

34839 CO RD Y
HILLROSE, CO 80733

MACHADO, ARNULFO PENUELAS &
PENUELAS, PATRICIA
1070 WILLIAMS ST
BRUSH, CO 80723

GONZALEZ, ROBERTO JR

1078 WILLIAMS ST
BRUSH, CO 80723

RUCKER, JANICE LARAINE

511 COTTON ST
BRUSH, CO 80723

RUIZ, FRANCISCO & MARIA SILVIA & GABRIEL & ELICEO

727 CUSTER ST
BRUSH, CO 80723

ROBINSON, TOMMIE

1018 WILLIAMS ST
BRUSH, CO 80723

PINEIGRO, ANTONIA

1010 WILLIAMS ST
BRUSH, CO 80723

C & L FAMILY ROOTS HOMES LLC

925 50TH AVE
GREELEY, CO 80634

SMITH, TRACY

P O BOX 182
BRUSH, CO 80723

AGUILAR, DARRYL

1021 WILLIAMS ST
BRUSH, CO 80723

PETE'S RENTALS LLC

16332 CO RD 7
WIGGINS, CO 80654

STEINER, PATRICK & MELISSA

1022 WILLIAMS ST
BRUSH, CO 80723

MEDINA, CURTIS L & HEATHER

525 COTTON ST
BRUSH, CO 80723

FORSYTHE, LISA A

P O BOX 414
BRUSH, CO 80723

DARDANES, JIMMY & MARJORIE K

950 WILLIAMS ST
BRUSH, CO 80723

JACOBO, FRANCISCO CAVILLO &
CAVILLO, MARIA ELVA
708 S CLAYTON ST
BRUSH, CO 80723

MOOS, CAROL J

519 COTTON ST
BRUSH, CO 80723

CAMPBELL, WALTER A & HELEN E

950 COTTON ST
BRUSH, CO 80723

HOUSTON, JAMES C & JANIS M

1490 RUSSELL WAY
THORNTON, CO 80229

RUDNIK, RICHARD A &
SCHLEGEL, CLIFFORD L
938 N CARSON ST
BRUSH, CO 80723

GAMEZ, MYRNA M ET AL

940 N CARSON ST
BRUSH, CO 80723

ARAUJO, ROBERT L SR & DONNA L

629 DESSA ST
BRUSH, CO 80723

ESTRADA, SAMUEL

956 N CUSTER ST
BRUSH, CO 80723

BOSTROM, NANCY E

820 N CAMERON ST
BRUSH, CO 80723

PATZKOWSKY, DAVID K

939 N CAMERON ST
BRUSH, CO 80723

CORREA, CARLOS CONVARRUBIAS &
GALLEGOS, JOSEFINA CONTRERAS
933 N CUSTER ST
BRUSH, CO 80723

GROSSHANS, STEVEN L & JANICE R

703 DESSA ST
BRUSH, CO 80723

VOSBURG, AMY LYNN

715 DESSA ST
BRUSH, CO 80723

MADSON, BECKI RENEE

725 DESSA ST
BRUSH, CO 80723

BLUE, MARILYN W

931 MILL ST
BRUSH, CO 80723

KNIGHT, FRANK C & KATHERINE

916 N CUSTER ST
BRUSH, CO 80723

MATTOX, DAVID M & CINDY

807 N CARSON ST
BRUSH, CO 80723

TIMMONS, GORDON W & SHIRLI L

P O BOX 422
BRUSH, CO 80723

TAYLOR, TRAVIS &
KOELMEL, DAWN
803 DESSA ST
BRUSH, CO 80723

DOSSEY, PATRICIA J

966 N CARSON ST
BRUSH, CO 80723

RUBY, PHILIP A

16479 HWY 34
FORT MORGAN, CO 80701

STORER, CHARLES CHIPPER MARTEL &
PAGE, DANIELLE RAE
956 N CAMERON ST
BRUSH, CO 80723

WEHRER, KEVIN &
GERKEN, LEIGHTON
18748 CO RD V
FORT MORGAN, CO 80701

TORRALBA, ORLANDO

934 N CUSTER ST
BRUSH, CO 80723

VONDY, KOLBY & JENNIFER

529 COTTON ST
BRUSH, CO 80723

CARWIN, ALESIA M

625 COTTON ST
BRUSH, CO 80723

GENTRY, ELBERT E

949 N CAMERON ST
BRUSH, CO 80723

GRIESE, JANICE KAY ET AL
JAMESON, VICTORIA - L E
821 DESSA ST
BRUSH, CO 80723

CARMONA, PATSY &
RANGEL, CRISTIAN GUTIERREZ
814 N CUSTER ST
BRUSH, CO 80723

VALENCIA, MANUEL &
HERRERA, ADRIANA
206 S CLAYTON ST APT 01
BRUSH, CO 80723

WALKER, MAUREEN E &
SMITH, DENNIS L
923 N CARSON ST
BRUSH, CO 80723

CALIFF, ERIC & TERRIN

810 N CUSTER ST
BRUSH, CO 80723

LUEBKER, YOLANDA

100 MORNING STAR DR
SANTA TERESA, NM 88008

LEONARD-RUSSELL, KELLY

292 CEDAR ST
GRAND JUNCTION, CO 81503

BIRCHLER, BRIAN K

740 COTTON ST
BRUSH, CO 80723

BLAKE, TROY & WANDA

705 COTTON ST
BRUSH, CO 80723

SMITH, MARK D & KRISTI S

741 E CAMDEN WAY
SHELTON, WA 98584

KOLMAN, LINDA LOU

618 DESSA ST
BRUSH, CO 80723

VEGA, ROXANNE M &
SMITH, LORENA B & JIM F
411 DESSA ST
BRUSH, CO 80723

COOK, JACK R & KAY A

1066 STOCKTON AVE
SAN JOSE, CA 95110

CELESTINO, BERNARDINO J & KELLY L

621 DESSA ST
BRUSH, CO 80723

ROCHA, ADRIAN & BRITTANY & MATTHEW O

18398 CO RD 27.5
BRUSH, CO 80723

TEJEDA, JOSE SANTOS GUZMAN

821 N CUSTER ST
BRUSH, CO 80723

MATHIES, BARBARA SUE & JENNIFER L

656 DUNKLE ST
BRUSH, CO 80723

ABBOTT, DANIEL W

P O BOX 103
BRUSH, CO 80723

BRENTON, JOE E

946 N CAMERON ST
BRUSH, CO 80723

KAROUSSA, HOSSAM I &
ELHINDAWY, RIHAM A
916 N CAMERON ST
BRUSH, CO 80723

FRENCL, CHRISTOPHER

905 N CAMERON ST
BRUSH, CO 80723

HERRERA, DAVID H

16836 CO RD 28
BRUSH, CO 80723

ZASSENHAUS, JANICE

262 NORTHRIDGE RD
HIGHLANDS RANCH, CO 80126

LUTHYE, TAMARA S &
MATHIES, JENNIFER L
656 DUNKEL ST
BRUSH, CO 80723

REDDEN, JEREMY L &
GOFF, LANA
617 DESSA ST
BRUSH, CO 80723

ROSENGRANT, KAREN

100 ELM DR
LOG LANE VILLAGE, CO 80705

MATHEWS, TOBIN RAY

424 DESSA ST
BRUSH, CO 80723

MARES, MICHELLE L

960 N CUSTER ST
BRUSH, CO 80723

SMITH, THOMAS IRA

950 N CAMERON ST
BRUSH, CO 80723

SMITH, TYSON JAMES & LACEY JAE

969 N CUSTER ST
BRUSH, CO 80723

JUAN, ANDRES BALTAZAR

603 DESSA ST
BRUSH, CO 80723

OLAGUEZ, MARTIN &
URRUTIA, JOANN
726 DESSA ST
BRUSH, CO 80723

LASS, GARY A

416 BOULDER LN
JOHNSTOWN, CO 80534

EVINS, ASHLEY LYNN & ROBERT HERMAN & SANDRA LEE

850 COTTON ST
BRUSH, CO 807233038

THOMPSON, DOUGLAS F REVOCABLE TRUST

214 CLAYTON ST
BRUSH, CO 80723

WESTORIAN GROUP LLC

13408 CO RD 18.5
FORT MORGAN, CO 80701

HERRERA-CHIHUAHUA, ANGEL ARTURO

613 DESSA ST
BRUSH, CO 80723

MINARD, PAMELA L

914 N CARSON ST
BRUSH, CO 80723

MEININGER, SANDRA J & MELVIN G JR REVOCABLE TRUSTS

434 SAMPLES AVE
BRUSH, CO 80723

VONDY, DOUGLAS A & SHIRLEY K

6410 CO RD 23
WOODROW, CO 80757

JONES, DOUGLAS G & CYNTHIA L & GREGORY JOE

420 COTTON ST
BRUSH, CO 80723

CRAIG, CODY ALLEN &
ESCOBEDO, AYLIN ABIGAIL LOPEZ
1019 WILLIAMS ST
BRUSH, CO 80723

CLARK, CECILE S

22789 I-76 FRONTAGE RD
FORT MORGAN, CO 80701

CITY OF BRUSH

P O BOX 363
BRUSH, CO 80723

MORGAN COUNTY
PLANNING & ZONING
231 ENSIGN ST
P O BOX 596
FORT MORGAN, CO 80701

FIRST-CLASS

US POSTAGE PITNEY BOWES

ZIP 80701 $ 000.69⁰
02 7W
0008034509 JUN 17 2025

nmk

BURNS, SARA &
KLEIN, CHASE
10 NOAH CT
BRUSH, CO 80723

NIXIE 808 DE 1 0007/15/25
RETURN TO SENDER
NO MAIL RECEPTACLE
UNABLE TO FORWARD
BC: 80701959696 *1968-06376-15-23

MORGAN COUNTY
PLANNING & ZONING
231 ENSIGN ST
P O BOX 596
FORT MORGAN, CO 80701

FIRST-CLASS

US POSTAGE PITNEY BOWES
ZIP 80701 $ 000.74⁰
02 7W
0008034509 JUL. 16. 2025

Received
JUL 29 2025
Board of Morgan County Commissioners

BURNS, SARA &
KLEIN, CHASE
10 NOAH CT
BRUSH, CO 80723

NMR

NTXTF 808 DF 1 0007/26/25

RETURN TO SENDER
NO MAIL RECEPTACLE
UNABLE TO FORWARD

BC: 80701059696 *0520-01358-17-34

9327020072445262 NMR

MORGAN COUNTY
PLANNING & ZONING
231 ENSIGN ST
P O BOX 596
FORT MORGAN, CO 80701

FIRST-CLASS

US POSTAGE PITNEY BOWES
ZIP 80701 $ 000.74⁰
02 7W
0008034509 JUL. 16. 2025

BAUER, COLLEEN R

1079 WILLIAMS ST
BRUSH, CO 80723

UTF

Received
JUL 29 2025
Board of Morgan County Commissioners

NTXTF 808 FF 1 0007/26/25

RETURN TO SENDER
NOT DELIVERABLE AS ADDRESSED
UNABLE TO FORWARD

BC: 80701059696 *0520-01356-17-34

9327020072445262 UTF

Gmail

Jenafer Santos <jsantos@co.morgan.co.us>

968 N Custer St

2 messages

michelle mares <[redacted]> Wed, Jul 30, 2025 at 11:32 PM
To: permits_licensing@co.morgan.co.us

This is in regards of a Special Use Permit for a future development of a storage facility to be located at 968 N Custer St, Brush, CO.

Hello, my name is Michelle Kelly and I reside/own the property directly to the south (960 N Custer St.) of the above mentioned property.

I have several reasons as to why I oppose this being placed on the property next door to my family.

1. I was told many, many years ago that the land could not be divided (this is when Kent Melvin was the owner and wanted us to purchase the back portion of the lot). So how is this now possible to divide the land into commercial/residential now? Also what is the requirements for a residential property size?

2. Is the property going to be built up above the flood plains? According to the maps submitted he will build up approximately 4 feet with a 6" fill ontop of that. What will this do to the residential properties that are around this area when we have increased moisture?

3. Would prefer to not have a Dentention Pond that close to residential property. I forsee this will become a concern for increased bugs (mosquitos). Munn's Addition is not part of the City and doesn't receive the bug spraying truck in the evening as it is. After reading the maps there is no Dentention Pond just an approximate ditch of 2 feet around the property with a spill off in the North West Corner. Also the water will be directed to the south in the middle of the property taking a "hard 90°" near the property to the South. You you forsee the water following this route?

4. During COVID 2020 T & M Towing was allowed to use this land for cars they were towing. We could hear people out there at all hours of the day and night. This didn't make us feel very safe in our own home as we were awoken at all hours. Greg and his family were not bothered by this as he is 3 streets away with ample empty space near his home.

5. Would this result in our property values decreasing?

6. Safety on the streets with additional traffic will become a concern. As mentioned before he had a towing service using the land and people became very careless while driving on the residential streets.

7. No privacy for our family in our backyard (when you have neighbors they are the same people and you get to know them and they don't make us feel uncomfortable. We also form a community.) There is a 6 foot privacy fence there that my family installed in 1997. The original privacy fence at the front of the property is decaying and needs replaced immediately. These are supposed to be set 10ft from or fence and therr are doors on all 4 sides of the containers. That means people will be up to our fence.

8. "The Widow Maker Trees" that have needed to be trimmed for over 10 years. (A branch broke off and traveled to the front part of our property crushing one of our cars, other branches have fallen in the yard on their property and the previous tenants said they were lucky to not be in that area of the yard dubing them "The Widow Makers Trees").

9. He doesn't maintain his property(ies) adequately (example: the yard and 1/2 that field have cleared and maintained by the tenants). Please see the pictures that he submitted of the signs being posted (this shows that weeds and trees are not being maintained)

10. There will be an abundance of strangers out there at all hours of the day/night. Especially if he is going to have vehicles parked out there again. (This is a high concern of the non law-abiding people)

11. Making it commercial. What will this do the fact that all the residents in Munn's Addition can have farm animals? Would this also make it easier for the City/County to open up a road from Loves? There are 2 commercial properties that are adjacent to his current residential property where he sleeps. And there is ample land near him to place (or keep) these storage units near him.

12. Drywell what kind of container is going to be used and where will it be located? Will this contaminate residential wells? Has the Geotechnical Engineer certified this? Under ORIGINAL SUBMITTAL Pg 3. State NA.

13. Under the Consultants Bullet #1 last sentence. It states "that Anchorage of the storage trailers may be precludes if the trailers are fully licensed, ready for highway use and permanently towable by a light duty truck. So does this mean he doesn't have to build up or anchore them?

14. APPLICANT NARRATIVE pg2 last sentence "the addition of storage facilities can be used to support agriculture storage (equipment etc) for this area of Brush. Does this mean it will be used for Agricultural use and what will that entail (chemical storage?)

Thank you for taking my concerns into consideration

Michelle Kelly

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4 attachments

1000034266.jpg
550K

1000034259.jpg
1248K

1000034261.jpg
1500K

1000034257.jpg
3285K

Jenafer Santos <jsantos@co.morgan.co.us> Thu, Jul 31, 2025 at 8:10 AM
To: michelle mares <[redacted]>
Cc: permits_licensing@co.morgan.co.us

Received, thank you
~
Jenafer Santos
Planning Technician
Morgan County Planning & Zoning
970-542-3526

[Quoted te t hidden]

Car that tree branch fell on. Tree is not
is project to be removed.

original privacy fence that needs replaced

storage containers he is planning on using

original fence that needs replaced.

Gmail

Liliana Lopez <llopez@co.morgan.co.us>

Dardanes Special Use Application for 968 N. Custer Brush, CO 80723.

1 message

Alesia Carwin [redacted] Fri, Jul 11, 2025 at 2:15 PM
To: permits_licensing@co.morgan.co.us

I am in objection to granting this "Special Use Application" for several reasons.
1. We are not zoned for Commercial Business and this would open the door for anyone else to open businesses in our area. It could potentially become another industrial park.
2. Would increase traffic on Cotton Street and people are already speeding up and down that road. I and several other neighbors have lost pets and there are small children that live on 2 sides of the location.
3. Would bring people into our neighborhood that don't live there or know anyone that does, increasing the potential for theft.
4. We have no code for weeds, trash, and building esthetics and based on other rental property of this owner, I think it will be an eyesore that will drastically decrease our property value and the units will not attract a very high caliber of people. The house on 968 N Custer has only recently been cleaned up and updated.

Thank you for your time and consideration.

Alesia M. Carwin
625 Cotton Street
Brush CO 80723

Gmail

Liliana Lopez <llopez@co.morgan.co.us>

Fwd: FW: Special Use Permit

1 message

Wanda Blake [redacted] Fri, Jul 11, 2025 at 3:26 PM
To: "permits_licensing@co.morgan.co.us" <permits_licensing@co.morgan.co.us>

---------- Forwarded message ---------
From: **wjblake** [redacted]
Date: Fri, Jul 11, 2025, 3:05 PM
Subject: FW: Special Use Permit
To: [redacted]

-------- Original message --------
From: Brooke Blake [redacted]
Date: 7/11/25 11:12 AM (GMT-07:00)
To: [redacted]
Subject: Special Use Permit

Dear Planning Commission,
My husband Andrew and I object to a storage facility being developed at 968 North Custer Street, Brush, CO 80723.

Sincerely,
Andrew and Brooke Acosta

Gmail

Liliana Lopez <llopez@co.morgan.co.us>

Greg Dardanes

1 message

Wanda Blake [redacted] Fri, Jul 11, 2025 at 3:31 PM
To: "permits_licensing@co.morgan.co.us" <permits_licensing@co.morgan.co.us>

To Whom It May Concern,
We are the owners of the property directly north of 968 N Custer, which is owned by Greg Dardanes. We absolutely do NOT want the proposed project to be approved. We will also be submitting pictures and would also like to speak at Monday nights meeting.
Thank you,
Troy and Wanda Blake

Gmail

Nicole Hay <nhay@co.morgan.co.us>

Regards to 968 N Custer St

Michelle Kelly [redacted] Sun, Jul 13, 2025 at 10:15 PM
To: "permits_licensing@co.morgan.co.us" <permits_licensing@co.morgan.co.us>

This is in regards to Special Use Permit for future development of a storage facility to be located at 968 N Custer St, Brush, CO.

Hello my name is Mazie K. (I am 9 years old) and I live at the house that is at 960 N Custer St. (Directly to the south of this above mentioned property).

I have a concerns that I will never be able to play in my backyard, because there are trailer houses (storage units) near our fence. There was random people out there (August 2024) opening the storage units. This made me feel uncomfortable and hard to breath.

Thank you

Mazie K.
(9 year old)

Please see attached picture of storage units on property back in August 2024.

Screenshot_20250713_191131_Gallery.jpg
1239K

Gmail

Nicole Hay <nhay@co.morgan.co.us>

Gregory and Regina Dardanes

michelle mares [redacted] Sun, Jul 13, 2025 at 11:06 PM
To: permits_licensing@co.morgan.co.us

This is in regards of a Special Use Permit for a future development of a storage facility to be located at 968 N Custer St, Brush, CO.

Hello, my name is Michelle Kelly and I reside/own the property directly to the south (960 N Custer St.) of the above mentioned property.

I have several reasons as to why I oppose this being placed on the property next door to my family.

1. I was told many, many years ago that the land could not be divided (this is when Kent Melvin was the owner and wanted us to purchase the back portion of the lot). So how is this now possible to divide the land into commercial/ residential now?

2. Is the property going to be built up above the flood plains? What will this do to the residential properties that are around this area when we have increased moisture?

3. Would prefer to not have a Dentention Pond that close to residential property. I forsee this will become a concern for increased bugs (mosquitos). Munn's Addition is not part of the City and doesn't receive the bug spraying truck in the evening as it is.

4. During COVID 2020 T & M Towing was allowed to use this land for cars they were towing. We could hear people out there at all hours of the day and night. This didn't make us feel very safe in our own home.

5. Would this result in our property values decreasing?

6. Safety on the streets with additional traffic will become a concern. As mentioned before he had a towing service using the land and people became very careless while driving on the residential streets.

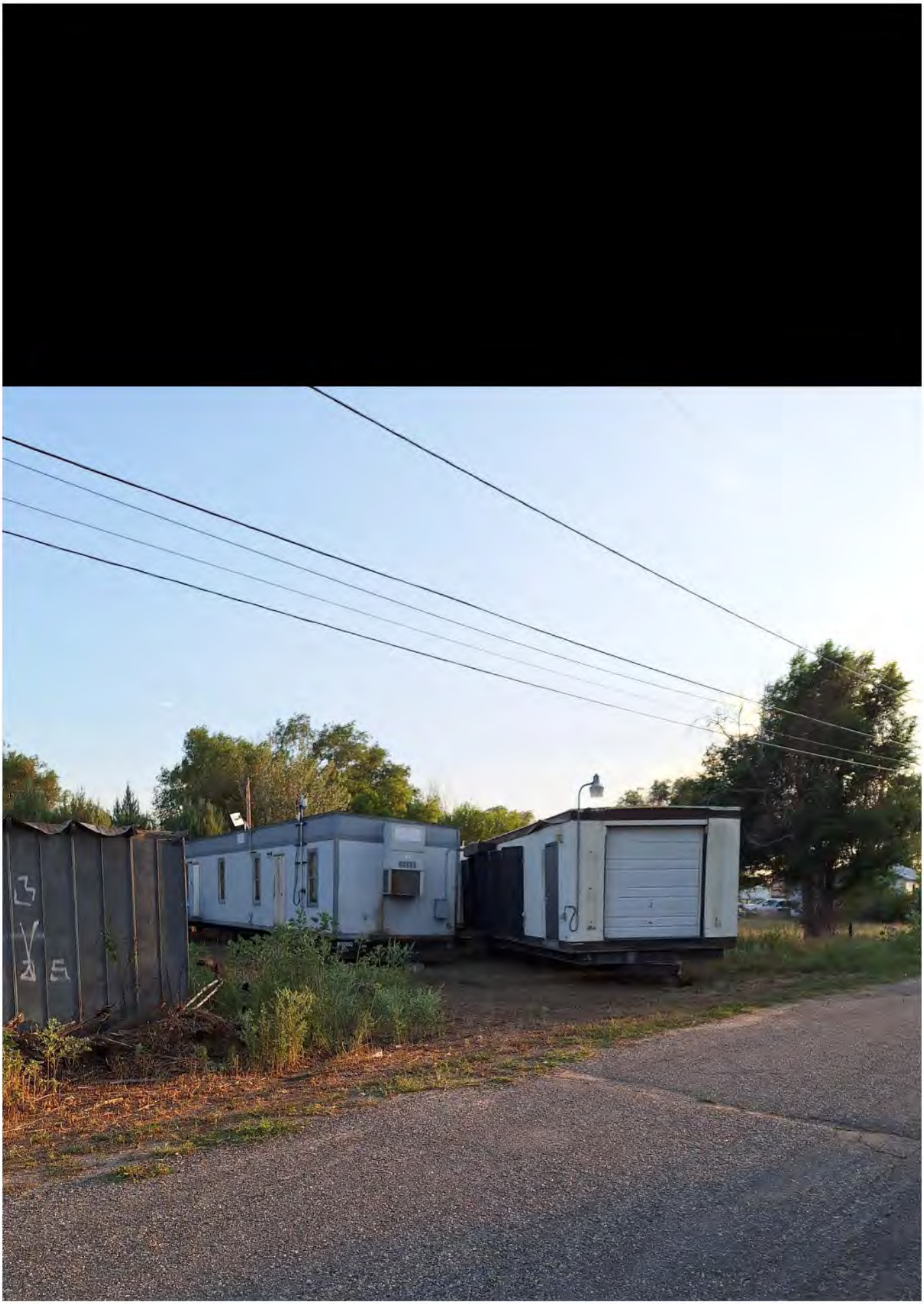
7. No privacy for our family in our backyard (when you have neighbors they are the same people and you get to know them and they don't make us feel uncomfortable. We also form a community.)

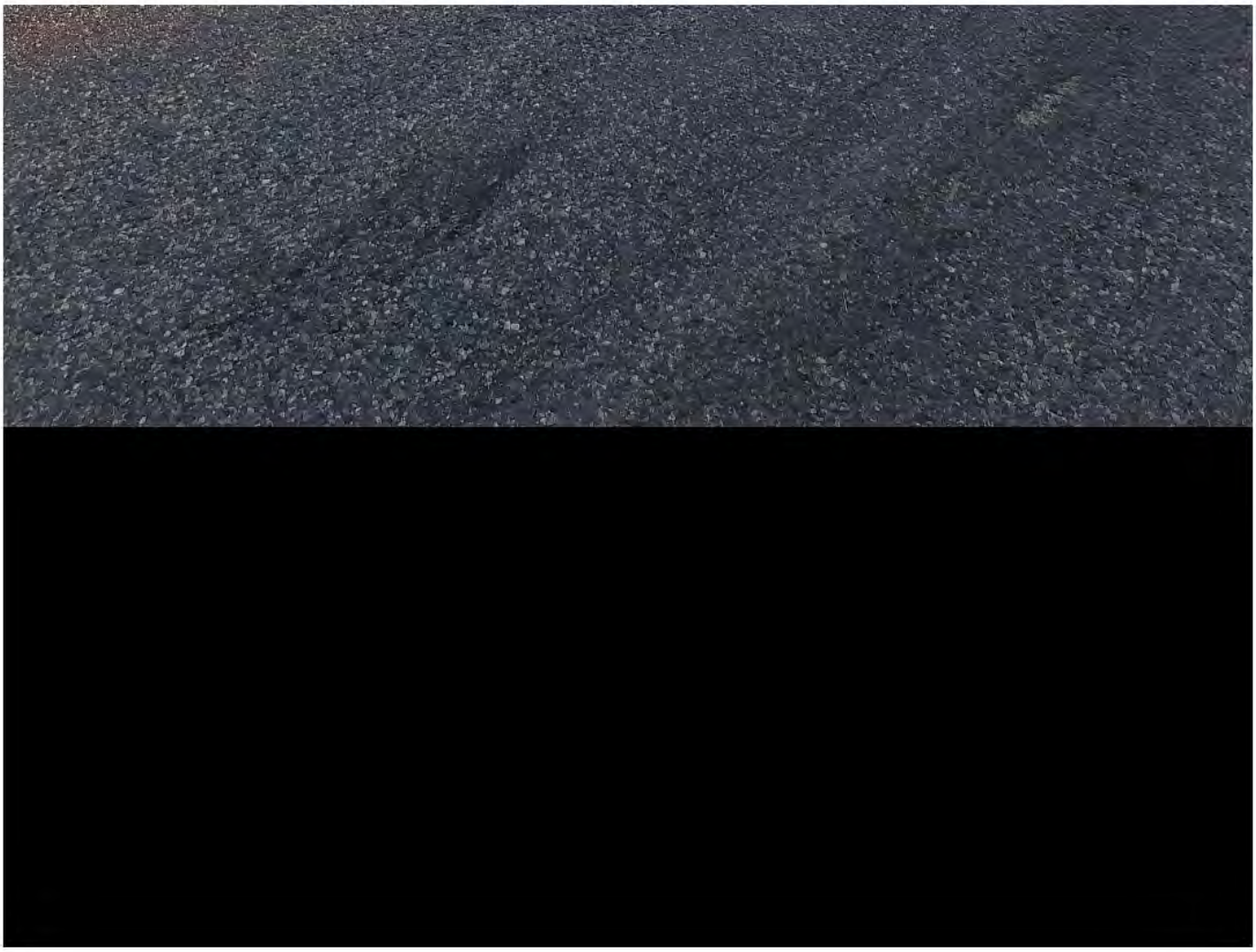
8. "The Widow Maker Trees" that have needed to be trimmed for over 10 years. (A branch broke off and traveled to the front part of our property crushing one of our cars, other branches have fallen in the yard on their property and the previous tenants said they were lucky to not be in that area of the yard dubing them "The Widow Makers Trees").

9. He doesn't maintain his property(ies) adequately (example: the yard and 1/2 that field have cleared and maintained by the tenants).

10. There will be an abundance of strangers out there at all hours of the day/night. Especially if he is going to have vehicles parked out there again.

11. Making it commercial. What will this do the fact that all the residents in Munn's Addition can have farm animals? Would this also make it easier for the City/County to open up a road from Loves?





12 . Why not place these storage units at his property over on Williams where he resides? He has more land, they are all ready sitting there, and he will be able to monitor people coming and going.

Thank you for your time and I hope that all my concerns will be recognized.

Michelle Kelly
960 N Custer St.
Brush, CO 80723

Please see attached photo of trailers on this property back in August of 2024.

Gmail

Nicole Hay <nhay@co.morgan.co.us>

Greg Dardanes permit

Wanda Blake [redacted] Mon, Jul 14, 2025 at 7:54 AM
To: "permits_licensing@co.morgan.co.us" <permits_licensing@co.morgan.co.us>

These are the trailers/storage units that Greg Dardanes moved onto 968 N Custer St. in Brush on July 29, 2024 without a permit.

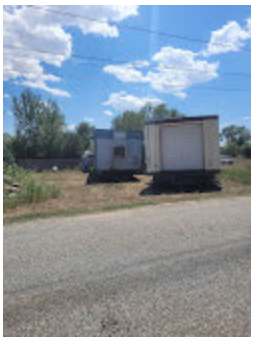
5 attachments

1000008089.jpg
3735K

1000008093.jpg
5103K

1000008092.jpg
4907K

1000008088.jpg
3520K



1000008094.jpg
4674K

800612

800612

Gmail

Nicole Hay <nhay@co.morgan.co.us>

Greg Dardanes permit

Wanda Blake [redacted] Mon, Jul 14, 2025 at 8:14 AM
To: "permits_licensing@co.morgan.co.us" <permits_licensing@co.morgan.co.us>

The property where Mr. Dardanes wants to place said trailers/storage units is right across the road from our house.

This is the area where they are proposed to be placed.

You can see the condition he keeps it in. The only reason it is mowed is because of the renters.

1000011694.jpg
5879K

Gmail

Nicole Hay <nhay@co.morgan.co.us>

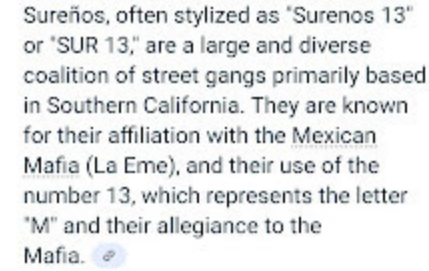
Greg Dardanes permit

Wanda Blake [redacted] Mon, Jul 14, 2025 at 9:05 AM
To: "permits_licensing@co.morgan.co.us" <permits_licensing@co.morgan.co.us>

Here is a picture of the shed at 968 N Custer St in Brush.

It has been tagged by a gang called the Surenos I believe. This is another reason we do not need the storage units put on this property. It is right by our house.

2 attachments



1000011906.jpg
290K

1000011904.jpg
1660K

BURIS

Sureños, often stylized as "Surenos 13" or "SUR 13," are a large and diverse coalition of street gangs primarily based in Southern California. They are known for their affiliation with the Mexican Mafia (La Eme), and their use of the number 13, which represents the letter "M" and their allegiance to the Mafia.

MORGAN COUNTY
PLANNING AND ZONING DEPARTMENT

TO REFERRAL AGENCIES:

Brush Fire Department	Morgan County Emergency Mgmt.
CDPHE	Morgan County Quality Water
Century Link	Morgan County Road & Bridge
City of Brush!	Morgan County Rural Electric Assoc.
Division of Wildlife	Morgan County Sheriff Dept.
Kinder Morgan, Inc.	Morgan County Weed & Pest Advisory
Morgan Conservation District	Northeast Colorado Health Dept.
Morgan County Assessor	Upper Platte & Beaver Canal
Morgan County Communications Center	Xcel Energy

FROM: Jenafer Santos, Planning Technician
231 Ensign St, PO Box 596, Fort Morgan, CO 80701
970-542-3526 / 970-542-3509 fax / jsantos@co.morgan.co.us
DATE: June 17, 2025
RE: Use by Special Review Application – see attached site map

The following Special Use Permit application is submitted to you for review and comments. The application is scheduled to be heard by the Planning Commission on **Monday, July 14, 2025 at 6:00 P.M.** in the Assembly Room of the Morgan County Administrative Building, 231 Ensign Street, Fort Morgan, CO 80701 (Basement level; use elevator entrance in SW corner). **You are encouraged to provide comments to this application by July 1, 2025.** Failure to comment will be viewed as a favorable review. Please contact the Planning and Zoning Department if you would like to attend these public meetings.

Applicants and Landowners: Gregory and Regina Dardanes
Legal Description: Lot 7 except the South 25' of Lot 7, Church Sub of Munns Addition in the SE¼ of Section 34, Township 4 North, Range 56 West of the 6th P.M., Morgan County, Colorado. Also known as 968 North Custer Street, Brush, CO 80723.
Request: Use by Special Review for the future development of a storage facility, to include conex boxes, storage trailers, and areas for covered parking.

Sincerely,
Jenafer Santos
Morgan County Planning Technician

REFERRAL AGENCIES	RESPONSES RECEIVED
Brush Fire Department	
CDPHE	
Century Link	
City of Brush!	
Division of Wildlife	
Kinder Morgan, Inc.	
Morgan Conservation District	
Morgan County Assessor	
Morgan County Communications Center	
Morgan County Emergency Mgmt.	
Morgan County Quality Water	
Morgan County Road & Bridge	
Morgan County Rural Electric Assoc.	
Morgan County Sheriff Dept.	
Morgan County Weed & Pest Advisory	
Northeast Colorado Health Dept.	
Upper Platte & Beaver Canal	
Xcel Energy	See attached letter

Xcel Energy℠
PUBLIC SERVICE COMPANY

Right of Way & Permits

1123 West 3rd Avenue
Denver, Colorado 80223
Telephone: [redacted]

June 24, 2025

Morgan County Planning and Building Department
231 Ensign / PO Box 596
Fort Morgan, CO 80701

Attn: Cheryl Brindisi, Nicole Hay, Jenafer Santos

Re: Dardanes

Public Service Company of Colorado's (PSCo) Right of Way & Permits Referral Desk has reviewed the plans for **Dardanes** and currently has **no apparent conflict**. Please be aware PSCo owns and operates existing natural gas and electric distribution facilities along north and east property lines.

The property owner/developer/contractor must complete the application process for any new natural gas or electric service, or modification to existing facilities via xcelenergy.com/InstallAndConnect. It is then the responsibility of the developer to contact the Designer assigned to the project for approval of design details. Additional easements may need to be acquired by separate document for new facilities.

As a safety precaution, PSCo would like to remind the developer to call the Utility Notification Center by dialing 811 for utility locates prior to construction.

Violeta Ciocanu (Chokanu)
Right of Way and Permits
Public Service Company of Colorado dba Xcel Energy
Office: [redacted] – Email: [redacted]

NOTICE OF PUBLIC HEARING
MORGAN COUNTY BOARD OF COMMISSIONERS
TUESDAY, AUGUST 5, 2025 AT 9:00 A.M.
VIRTUAL AND IN PERSON IN THE ASSEMBLY ROOM, MORGAN COUNTY ADMINISTRATIVE BUILDING, 231 ENSIGN, FORT MORGAN, COLORADO

Notice is hereby given that on the date and time above (or as soon as possible following the scheduled time) and at the location above, or at such time and place as this hearing may be adjourned, the Morgan County Board of Commissioners will conduct public hearings on the following proposed **Land Use Applications:**

1.) **Applicant and Landowners:** Gregory and Regina Dardanes
Legal Description: Lot 7 except the South 25' of Lot 7, Church Sub of Munns Addition in the SE¼ of Section 34, Township 4 North, Range 56 West of the 6th P.M., Morgan County, Colorado. Also known as 968 North Custer Street, Brush, CO 80723.
Request: Use by Special Review for the future development of a storage facility, to include Conex boxes, storage trailers, and areas for covered parking.
Date of Application: June 6, 2025

2.) **Applicant:** THEngineering
Landowners: CK2 Cattle Company and Riverside Irrigation District
Legal Description: A part of Sections 30, 31, and 32, Township 5 North, Range 57 West of the 6th P.M., Morgan County, Colorado aka 24592 County Road 19, Fort Morgan, CO 80701.
Request: Use by Special Review Permit to expand an existing animal feeding operation into a new dairy heifer grower CAFO proposed to house 25,850 animal units.
Date of Application: June 11, 2025

THE COUNTY WILL CONTINUE TO OFFER THE OPTION TO ATTEND MEETINGS REMOTELY. IF YOU HAVE ANY QUESTIONS REGARDING ATTENDING THE MEETING, PLEASE CONTACT THE PLANNING OFFICES AT 970-542-3526.

To participate remotely you may connect via Zoom at:
https://us02web.zoom.us/j/89478220888
Join via audio:
+1 719 359 4580 US
Webinar ID: 894 7822 0888

Documents pertaining to the above identified matters are on file in the Planning Administrator's Office, 231 Ensign St., Fort Morgan, Colorado. Twenty-four hours prior to the meeting, the Board of County Commissioners meeting packet is available here: morgancounty.colorado.gov

At time of the meeting an opportunity will be given for presentation of evidence in support of or in opposition to the application.

Nicole Hay
Nicole Hay
Morgan County Planning Administrator

Posted to website: July 25, 2025

For special assistance for the mentioned hearing, please notify us at least 48 hours before the scheduled agenda item. Please call (970) 542-3526 to request any ADA accommodations.

The above sign was posted on (date) 7-25-25, pursuant to the Morgan County Zoning Resolution by (name of applicant) Greg Pardanes.

Project name and number: SU2025-0001

Signature of Applicant/Representative: Greg Pardanes

STATE OF COLORADO)
) ss.
COUNTY OF MORGAN)

Signed before me this date: July 25, 2025

My Commission expires: 12/18/2028

NOTARIZED BY: Shelley Hyatt

SHELLEY HYATT
NOTARY PUBLIC
STATE OF COLORADO
NOTARY ID 20244045996
MY COMMISSION EXPIRES 12/18/2028

NOTICE OF PUBLIC HEARING ON LAND USE APPLICATION
BEFORE THE BOARD OF COUNTY COMMISSIONERS

Applicants & Landowners: Gregory & Regina Dardanes

Reason: Use by Special Review to allow conex boxes on the property for storage as well as storage areas for parking and trailers.

Location of Hearing: 231 Ensign Street,
Fort Morgan, CO 80701

Date of Hearing: Monday, August 5th, 2025 at 9:00 A.M.

NOTICE OF PUBLIC HEARING ON LAND USE APPLICATION
BEFORE THE BOARD OF COUNTY COMMISSIONERS

Applicants & Landowners: Gregory & Regina Dardanes

Reason: Use by Special Review to allow conex boxes on the property for storage as well as storage areas for parking and trailers.

Location of Hearing: 231 Ensign Street,
Fort Morgan, CO 80701

Date of Hearing: Monday, August 5th, 2025 at 9:00 A.M.

SPEED
LIMIT
25

NOTICE OF PUBLIC HEARING ON LAND USE APPLICATION
BEFORE THE BOARD OF COUNTY COMMISSIONERS
Applicants & Landowners: Gregory & Regina Dardanes
Reason: Use by Special Review to allow conex boxes on the property for storage as well as storage areas for parking and trailers.
Location of Hearing: 231 Ensign Street,
Fort Morgan, CO 80701
Date of Hearing: Monday, August 5th, 2025 at 9:00 A.M.