



BOARD OF ADJUSTMENT TENTATIVE AGENDA

Wednesday, April 15, 2020

4:00 PM

Originating from Public Meeting Room* - Story County Administration (900 6th Street) – Nevada, Iowa
THIS MEETING IS OPEN TO THE PUBLIC PURSUANT TO CHAPTER 21 IOWA CODE.

SPECIAL NOTE TO THE PUBLIC: Due to recommendations to limit gatherings to no more than ten (10) people in order to help slow the spread of the COVID-19 virus, public access to the meeting will be provided via conference call to listen and participate in the meeting. Members of the public who would like to call in: Dial 918-221-0224 Enter 2225929465# when prompted for the access code **We ask that you mute your phone if possible. Audio recordings of all Board meetings will be posted on our website www.storycountyiowa.gov shortly after the meeting is concluded. You may access these recordings at any time by clicking on the Meetings and Agendas button on the home page.

1. CALL TO ORDER:
2. ROLL CALL:
3. APPROVAL OF AGENDA:
4. MINUTES OF PREVIOUS MEETING(S)

Documents:

[031820 MINUTES.PDF](#)

5. APPROVAL OF FINDINGS OF FACT FROM PREVIOUS MEETING

Documents:

[FINDINGS OF FACT CUP01-20 WINDSTREAM.PDF](#)
[FINDINGS OF FACT ADM02-20 SWANSON.PDF](#)

6. PUBLIC COMMENTS

This is the time for members of the public to offer comments concerning matters not scheduled to be heard before the Board of Adjustment

7. HEARINGS

- 7.I. Discussion And Consideration Of CUP02-90.6 Martin Marietta Ames Mine Slurry Drops And Off-Site Rescue Equipment Storage - Amelia Schoeneman

Documents:

[STAFF MEMO.PDF](#)
[APPLICATION.PDF](#)
[SLURRY PIPELINE LEAK PREVENTION PLAN.PDF](#)
[FEBRUARY SLURRY TEST RESULTS.PDF](#)
[EPA RULE AUTHORIZATION BACKFILL.PDF](#)
[EPA RULE AUTHORIZATION STORMWATER.PDF](#)
[IDNR COMMENTS.PDF](#)
[SLURRY DROP DIAGRAM.PDF](#)
[NARRATIVE AND LOCATION MAPS.PDF](#)
[STAFF REPORT 121819.PDF](#)

- 7.II. Discussion And Consideration Of CUP02-20 Izaak Walton League Shelter - Marcus Amman

Documents:

[STAFF REPORT.PDF](#)
[APPLICATION DOCUMENTS.PDF](#)
[UPDATED MAP.PDF](#)
[SITE VISIT PHOTOS.PDF](#)
[PARKING.PDF](#)
[ADA PARKING.PDF](#)
[NON ORGANIZATIONAL ACTIVITIES.PDF](#)
[MT2 INDOOR RECOVERY.PDF](#)

8. BOARD/STAFF COMMENTS

9. ADJOURNMENT

The Board shall adjourn prior to but no later than 11:30 p.m. Any business not brought forth to the Board prior to adjournment shall be tabled to the next regularly-scheduled Board hearing.

*Story County strives to ensure that its programs and activities do not discriminate on the basis of race, color, national origin, sex, age or disability. Persons requiring assistance, auxiliary aids or services, or accommodation because of a disability may contact the county's ADA coordinator at (515)382-7204.

**For further information on these cases, contact the Story County Planning and Development Department at PZWeb@storycounty.com or by phone at (515) 382-7245. Case Files, including exact property locations, may be inspected in the Story County Planning and Development Department located in the Story County Administration Building, 900 6th Street, Nevada, Iowa.



**STORY COUNTY
PLANNING AND DEVELOPMENT
STORY COUNTY ADMINISTRATION
900 6TH STREET
NEVADA, IOWA 50201-2087**

"Commitment, Vision, Balance"

515-382-7245

**MINUTES
STORY COUNTY
BOARD OF ADJUSTMENT**

AN AUDIO RECORDING OF THE FULL MEETING MAY BE FOUND IN THE PLANNING AND DEVELOPMENT DEPARTMENT, OR BY VISITING WWW.STORYCOUNTYIOWA.GOV

DATE: March 18, 2020	Steve McGill, Chair	2022
	Randy Brekke, Vice Chair (Phone)	2020
	Kelly Winfrey	2024
CALL TO ORDER: 4:00 PM	Matthew Neubauer	2021
PLACE: Public Meeting Room	* Wendie Schneider	2023
Administration Building	*Absent	

PUBLIC PRESENT BY CONFERENCE CALL: Jennifer Jack, Justin Adamson, Chris Burnett, Andy Swanson

STAFF PRESENT: Jerry Moore, Planning and Development Director; Marcus Amman, Planner; Stephanie Jones, Recording Secretary

ROLL CALL: McGill, Brekke, Neubauer, Winfrey (Brekke was present via conference call in response to COVID-19.)

ABSENT: Schneider

APPROVAL OF AGENDA (MCU)

APPROVAL OF MINUTES

Motion by Neubauer, Second by Winfrey to approve the February 19, 2020 minutes. (MCU)

APPROVAL OF FINDINGS OF FACT From February 19, 2020 Meeting Motion by Neubauer, Second by Winfrey (MCU)

Written Findings of Fact CUP02-16.1 Saints Peter Paul Catholic Church

PUBLIC COMMENTS: None

HEARINGS:

CUP11-19 CUP01-20 Windstream Broadband Communications Tower

Marcus Amman presented the staff report and stated Windstream is proposing to erect a 105 foot communications tower utility pole to provide broadband access to rural customers. The

communications tower will be constructed using a galvanized steel finish utility pole. The pole will be 100 feet, with a 5-foot lightning rod for the total height of 105 feet.

Neubauer asked for clarification about the setback being 50% of the tower. Amman stated the 50% of the tower height setback requirement only applies to the neighboring properties that do not have residential uses on them.

At the Planning and Zoning Commission meeting on March 4th, 2020 Mens asked if the grain bins at Landus will interrupt the signal due to the height of bins. Amman stated that based on what Windstream has provided the tower is for the locations to the North and East of the proposed tower and the applicant would be able to provide additional information. Jennifer Jacks stated that Windstream is aware of the silos in the area and it was taken into consideration when the location was picked. Jacks stated that the targeted households to serve are being met in the proposed location. End of discussion from the March 4th, 2020 Planning and Zoning Commission meeting.

Add some of the info/discussion from PZC meeting – concern about Landis grain elevators obstructing the signal.

1. **MOTION: The Story County Board of Adjustment recommends approval of the Conditional Use Permit for the Windstream Broadband Communications Tower as put forth in case CUP01-20, with the following conditions:**
 1. The written access and utility easement will be recorded with the Story County Recorder prior to the issuance of a zoning permit for the Communications Tower.
 2. Preliminary Zoning permit for the Communications Tower will not be issued until Story County Land Development Regulations Chapter 88.08 (4) Parking and Circulation Standards are met for well-defined circulation routes and clearly marked parking spaces acceptable to Planning and Development Staff.

Motion: Neubauer

Second: Winfrey

Ayes: Neubauer, Winfrey, Brekke, McGill

Nays: None

Not Voting: None

Absent: Schneider

Vote: (4-0)

SWANSON APPEAL OF DIRECTOR'S DECISION

Jerry Moore presented the Staff Report and stated that on March 6, 2020, Andrew Swanson, 64905 190th Street, Nevada, IA submitted a request to appeal the Director's Decision to the Story County Board of Adjustment that a zoning permit cannot be issued or an agricultural exemption cannot be approved to place a railroad caboos on his property located at 19269 650th Avenue, in Richland Township. Moore provided the background information outlining the steps of the timeline of the review process.

Neubauer asked if the caboos was inside of a building if it would then be permitted. Moore stated that he didn't think that was what Mr. Swanson's intent for the caboos and that the railroad caboos would still be located on the property. McGill asked if a CUP could be applied for. Moore stated that there is nothing in chapter 90 that addresses a situation as proposed to place a caboos on provide property, even a possible museum type use, so a text amendment would likely be the best option. Brekke stated that it appears Swanson feels it would be legit with the provided code sections and asked how Moore responded to Swanson's response of feeling it was legit. Moore stated that he responded in the letters that it does not fit the definition of an accessory structure, building or a structure, nor under the definition of agricultural exemption. Brekke asked if the neighbors have concerns. Moore stated the County's ordinance does not require notices to be sent to land owners, so it is not known if neighbors

have concerns. Moore stated that since 2016 there has been over 90 requests for agricultural exemptions and 96% of those were approved. Moore stated that he feels the intent for the language in the ordinance adapted for agricultural purposes does not include a railroad caboos. Winfrey asked if since there is not an agricultural purpose to the railroad caboos is the reason it wouldn't be an agricultural use. Moore stated that Mr. Swanson did indicate that the railroad caboos could be used to store plants, however, Moore read the code sections relating to agricultural exemption and the definitions for building and structure and stated that railroad caboos is not covered and its also not the intent of these sections to include a railroad caboos.

Andy Swanson spoke and stated that if he is going to acquire the caboos he wants to be able to use it. Swanson stated that he feels the caboos is a building, the caboos has not been used on the railroad for a long time, and the caboos has been adapted to another use. Swanson stated he does not plan to use it as a caboos, but only to set it on a track so that the steel wheels did not sink into the ground. Swanson stated that he feels if he stored seed or supplies in the caboos that it should be considered an agriculture exemption for use as an accessory structure since his farm is established. Swanson strongly believes that the caboos should not be considered as a railroad use because it is no longer usable as what it was initially intended for and because the caboos had been adapted to another use.

Neubauer asked about precedent being set for manufactured items and wondered if anyone had ever been denied or allowed such items as busses or RV's. Moore stated that he cannot recall a time that a request like this has been allowed. Moore stated that if the railroad caboos is considered a building, could a cable car, airplane, or ship be considered a building? Moore stated that the way the ordinance is set out it addresses certain things that are principal permitted uses. If a principal permitted use is established on a property, then an accessory use may be permitted. Moore stated that occasionally amendments are requested to allow for a use being proposed. This is how zoning works, if a proposed use is not identified in the ordinance, then the applicant may request a text amendment to ordinance to include and/or identify the use. McGill stated that it seems it would not fall under the original intent of the code and he does not feel an agricultural exemption would allow the caboos either. Swanson stated that he had planned different types of wild flowers and native grasses, and he does not want the area plowed up in the future. He feels that preserving the land would be beneficial to the area where he would like to locate the caboos. Swanson feels that the county should consider changing the definition of a building and also questioned if there would be a difference between a shipping container that was originally designed to be used on a ship being used as a shed, and his proposal with the caboos. Moore asked Mr. Swanson if his intention was to keep the railroad caboos intact. Swanson stated that yes, he would like to keep the caboos intact.

McGill asked for direction from Moore to clarify what steps could be done next. Moore stated that he would like the board to support his decision that a zoning permit could not be approved or an agricultural exemption could not be supported and that Mr. Swanson could still pursue submitting a text amendment that addresses placement of the railroad caboos on his property. Moore further stated that prior to Mr. Swanson submitting a text amendment, he would be happy to meet with him to discuss his plans further and conduct research to share with Mr. Swanson on how other cities and counties in the area and midwest address placement of railroad caboos. McGill stated that the way the law is written that he feels he would need to support the staff decision even though he believes the caboos is a good idea. Neubauer stated that he understands the argument but does not see the rail car falling within the definition. Winfrey stated that she worries about a precedent being set by allowing this exception or broadening the definition could create an issue.

MOTION: The Story County Board of Adjustment supports the director's decision to not issue a zoning permit or approve an agricultural exemption to Mr. Swanson to place the railroad caboos on the property located at 19269 650th Avenue.

Motion: Winfrey
Second: Neubauer
Ayes: Winfrey, Neubauer, Brekke, McGill
Nays: None
Not Voting: None
Absent: Schneider
Vote: (4-0)

BOARD/STAFF COMMENTS:

Staff: Moore provided an update of the County Buildings that are closed due to the Coronavirus concerns. Moore stated that information is still being collected in regard to future public meetings, but that it is very likely that the next meeting may be in a different format and information will be provided to everyone once the decision is made. Brekke asked about meetings with Google Hangout. Amman stated that there are several options being considered such as Skype and Google Hangout. Brekke stated that not seeing the slides makes it difficult to follow along.

Board: None

ADJOURNMENT: 5:08 PM

Approval of Minutes

Title and Date

Prepared by Marcus Amman, Story County Planning and Development Department, 900 6th Street,

Nevada, Iowa 50201 515-382-7245

**STORY COUNTY, IOWA
CERTIFICATE OF CONDITIONAL USE PERMIT
AND WRITTEN FINDINGS OF FACT**

IN THE MATTER OF THE APPLICATION OF: : **PERMIT NO. CUP01-20**
Windstream, 70064 320th St, Collins, IA 50055, :
for the request of a Conditional Use Permit for :
the construction of a 105 foot tall Broadband :
Communications Tower, located on the NW NW :
of Section: 28 Township: 82 Range: 21, Collins :
Township, (Parcel ID Number 16-28-100-102) :

On March 18th, 2020, the Story County Board of Adjustment approved the Conditional Use Permit CASE NO. CUP01-20 for the request of a Conditional Use Permit for Windstream to construct a 105 foot Broadband Communications Tower.

VOTE: Ayes: Neubauer, McGill, Winfrey, Brekke (phone)
Nayes:
Absent: Schneider
Vote: (4-0)

Written Findings of Fact

Case Summary: Windstream is applying for a Conditional Use Permit to construct a 105 foot tall Broadband Communications Tower. The proposed communication tower would serve the surrounding area up to five miles away with internet access. The proposed broadband communications tower will meet all setback requirements. The Story County Planning and Zoning Commission recommended approval of the conditional use permit with conditions on March 4th, 2020. The Story County Board of Adjustment approved the conditional use permit with conditions on March 18th, 2020. The conditions were:

1. The written access and utility easement will be recorded with the Story County Recorder prior to the issuance of a zoning permit for the Communications Tower.
2. Preliminary Zoning permit for the Communications Tower will not be issued until Story County Land Development Regulations Chapter 88.08 (4) Parking and Circulation Standards are met for well-defined circulation routes and clearly marked parking spaces acceptable to Planning and Development Staff.

Marcus Amman, Story county Planning and Development Planner, reviewed the Conditional Use Permit Application, site plans, written narrative and other related submittal materials and responses from the applicant to County staff comments in accordance to Chapter 90 Conditional Uses of the Story County Land Development Regulations. Amman presented the staff report at the March 18th, 2020, Story County Board of Adjustment meeting.

Conditional Use Permit Analysis

A. Applicable Regulations: Chapter 90.04: Standards for Approval

The Planning and Zoning Commission shall review the proposed development for conformance to the following development criteria:

1. **Compatibility.** The proposed buildings or use shall be constructed, arranged and operated to be compatible with the character of the zoning district and immediate vicinity, and not to interfere with the development and use of adjacent property in accordance with the applicable district regulations. The proposed development shall not be unsightly, obnoxious, nor offensive in appearance to abutting or nearby properties.

Applicant Comment: *Windstream's proposed development will be constructed, arranged and operated so as to be compatible with the character of the Agriculture zoning district and immediate vicinity, and not to interfere with the development and use of adjacent property in accordance with the applicable district regulations. The proposed development will not be unsightly, obnoxious nor offensive in appearance to abutting or nearby properties.*

Staff Comment: Commercial communications towers are a conditional use in the A-1 District. The requirement for a conditional use permit is based on the provision of Chapter 90 Table 90-1 of the Story County Code of Ordinances. Communication towers under the conditional use have supplemental standards under 90.04. The property on which the proposed structure is to be constructed is 5.92 net acres and currently has a residence and some out buildings located on it. The property directly to the west of the subject property is owned by the Landus Cooperative and has a large agricultural grain storage operation taking place. The proposed structure will most likely blend with the existing utility poles and the commercial operation across U.S. Highway 65 to the west.

2. **Transition.** The development shall provide for a suitable transition, and if necessary, buffer between the proposed buildings or use and

surrounding properties.

Applicant Comment: *Windstream's development will provide for a suitable transition, and if necessary, buffer between the proposed buildings or use and surrounding properties with the included fencing and screening designed around the easement base will accomplish this requirement.*

Staff Comment: The proposed structure will meet the setbacks from all property lines. The overall proposed structure height will be 105 feet. The minimum setback requirement for this tower is 50 percent of the overall height or 52.5 feet. The proposed structure will be 308 feet from the north property line, 66 feet from the south property line, approximately 524 feet from the west property line, and over 100 feet from the east property line. The proposed structure will likely be seen by immediately adjacent property owners. Part of the proposed communication tower would be buffered from 320th street by the existing structures on the parcel. The proposed tower will be visible from U.S. Highway 65.

3. **Traffic.** The development shall provide for adequate ingress and egress, with particular attention to vehicular and pedestrian safety and convenience, traffic flow and control, and emergency access.

Applicant Comment: *Windstream's development will provide for adequate ingress and egress, with particular attention to vehicular and pedestrian safety and convenience, traffic flow and control, and emergency access. This requirement is met and called out on provided construction drawings.*

Staff Comment: The traffic impact of the proposed structure is expected to be minimal. Once construction of the proposed structure is completed, the only traffic that will visit the site for this structure when maintenance is required, on average once a month.

4. **Parking and Loading.** The development shall provide all off-street parking and loading areas as required by this Ordinance, and adequate service entrances and areas. Appropriate screening shall be provided around parking and service areas to minimize visual impacts, glare from headlights, noise, fumes or other detrimental impacts.

Applicant Comment: *Windstream's development will provide all off-street parking and loading areas as required by the Ordinance, and adequate service entrances and areas. Given the setbacks of at least 300 feet from*

each right of way line, the visual impact is minimized. Due to the nearest neighbor residence dwelling to be further than .25 miles away the potential light or noise disturbance will be minimal.

Staff Comment: During the installation of the proposed tower, parking will take place on the subject property using existing access points to the property. No parking or equipment storage will take place in the right of way. There is a new turnaround/parking area proposed to be located to the south of the fenced in area surrounding the proposed tower. Parking use for this will consist of parking for maintenance as required at the site.

5. **Signs and Lighting.** Permitted signage shall be in accordance with the applicable district regulations and shall be compatible with the immediate vicinity. Exterior lighting, if provided, shall be with consideration given to glare, traffic safety and compatibility with property in the immediate vicinity.

Applicant Comment: *No signs will be required for development. This requirement is met and called out on provided construction drawings.*

Staff Comment: There is no signs or lighting proposed for this communications tower. The tower will not be high enough for the FAA to require lighting.

6. **Environmental Protection.** The development shall be planned and operated in such a manner that will safeguard environmental and visual resources. The development shall not generate excessive noise, vibration, dust, smoke, fumes, odor, glare, groundwater pollution or other undesirable, hazardous or nuisance conditions, including weeds.

Applicant Comment: *Windstream's development will not generate excessive noise, vibration, dust, smoke, fumes, odor, glare, groundwater pollution or other undesirable, hazardous or nuisance conditions, including weeds.*

Staff Comment: No excessive noise, vibration, dust, smoke, fumes, odor, glare, groundwater pollution or other undesirable, hazardous or nuisance conditions, including weeds, are anticipated.

- B. **If the Commission concludes that all the above development criteria will be met, it must recommend approval of the application unless it concludes that, if completed as proposed, there is a strong probability the development will:**

1. **not adequately safeguard the health, safety and general welfare of persons residing or working in adjoining or surrounding property.**

Applicant Comment: *Windstream will adequately safeguard the health, safety and general welfare of persons residing or working in adjoining or surrounding property. Windstream's licensed contractors will uphold OSHA standards throughout the installation and maintenance of the site.*

Staff Comment: The proposed structure will meet the setbacks from all property lines. The overall proposed structure height will be 105 feet. The minimum setback requirement for this tower is 50 percent of the overall height or 52.5 feet. The proposed structure will be 308 feet from the north property line, 66 feet from the south property line, approximately 537 feet from the west property line, and over 100 feet from the east property line. The proposed structure will likely be seen by immediately adjacent property owners. Part of the proposed communication tower would be buffered from 320th street by the existing structures on the parcel. The proposed tower will be visible from U.S. Highway 65.

2. **impair an adequate supply (including quality) of light and air to surrounding properties.**

Applicant Comment: *Windstream will not impair an adequate supply (including quality) of light and air to surrounding property due to its small footprint and equipment used.*

Staff Comment: The proposed structure will be a 105' utility pole with four Wi-Fi antennas and will have little to no impact on the supply of light and air to surrounding properties.

3. **unduly increase congestion in the roads, or the hazard from fire, flood, or similar dangers.**

Applicant Comment: *Windstream will not increase congestion in the roads, or the hazard from fire, flood or similar dangers due to its setback requirements met from right of ways and/or structures within property.*

Staff Comment: Following the construction of the proposed structure, there will be very little traffic to and from the structure. Traffic will be for maintenance to

the communications tower. The proposed structure will not be located within the floodplain.

4. **diminish or impair established property values on adjoining or surrounding property.**

Applicant Comment: *Windstream will not diminish or impair established property values on adjoining or surrounding property due to equipment used.*

Staff Comment: The Story County Assessor's Office raised no concerns with this item from the review of the requested Conditional Use Permit application. No impacts on property values are anticipated.

5. **not be in accord with the intent, purpose and spirit of the Land Development Regulations or County Cornerstone to Capstone (C2C) Plan.**

Applicant Comment: *we believe that the implementation of a fixed, wireless internet solution will promote and address several values and goals outlined throughout the C2C and from staff members, elected officials and County Board and Commission members.*

In particular, the Story County Strategic Plan discusses the need to provide services efficiently and effectively that continually meet the needs of Story County citizens. Introducing a fixed-wireless internet solution improves quality of life for both individuals and businesses alike throughout Story County and address an underlying goal outlined within the Strategic Plan, which focuses on addressing both the evolution of technology itself and the expectations of citizens in regards to the availability of such technology.

Similarly, Chapter 3, Section 6, of The C2C Plan addresses the commitment by Story County to maintaining a high level of communication to ensure County residents remain both safe and informed. Access to reliable internet services, especially in rural areas, improves the dissemination of crucial information and promotes the County's communication objectives.

More specifically, Chapter 3, Section 9, of The C2C Plan discusses the County's strategy to support the expansion of all broadband/internet access service options to residents and businesses throughout the county, which is the primary objective of this project.

Furthermore, the implementation of a fixed-wireless internet option mitigates the need of unnecessary utility poles and overhead lines, which we believe compliments the long-term vision and goals set forth throughout the C2C and Strategic Plan. Specifically, in regard to Chapter 90.04, (1) (A), we believe that the use of a fixed-wireless solution addresses excessive proposed development of traditional wireline and utility pole infrastructure by offering a single-point solution that improves both access and reliability to internet services.

Also, in regard to Section 90.04, we want to ensure the review board that the development of this project will be in accordance with the requirements set forth in Section 1 (F).

Staff Comment: The C2C plan is oriented toward preserving the county's rural character and high value agricultural land, protecting environmentally-sensitive areas, and identifying areas for future growth and development. The proposed tower will support the expansion of all broadband/internet access service options to residents and businesses throughout the county under the C2C Infrastructure and Utilities Goal 1 strategy list. The remainder of the parcel will continue to be used for its existing use..

Conceptual Review

A Conceptual Review meeting for the proposed Conditional Use Permit request was held on Thursday, February 6th, 2020. After conceptual review, the complete application was submitted February 18, 2019 and routed to the members of the Interagency Review Team. Comments were included in the staff report.

The following were relevant comments documented by the Interagency Review Team:

Environmental Health:

Environmental Health has no concerns with the CUP application #01-20 for a Windstream Utility Pole and H-frame. The existing house on this parcel has a septic system located west of the house, and a water well east of the garage; neither will be impacted by the proposed construction.

Planning and Development Department Comments and applicant responses after CUP Submittal:

1. Please confirm the height of the tower. Will the tower be 95' with antennas that extends 5' above for a total of 100'? **Communications tower will be 100 feet with a lightning rod being another 5 feet for a total of 105 feet.**
2. The site plan identifies the pole is proposed to be wood. Chapter 90.08 4 F1 states that towers/facilities shall maintain a galvanized steel finish. Please address this. **Corrected to a galvanized steel finish utility pole.**

3. In accordance with 90.08 (4) E 1, how is the fence being made to not be climbable? **Barbed wire on the top of the fence and a black privacy wrap around the chain link.**
4. Chapter 90.08 (4) E 2 states screening of the lowest six feet of the tower is required. Screening is required from the right-of-ways to the north (320th Street) and west (HWY 65) of the proposed tower. Chain link is identified as the fencing, please indicate how this will meet the requirement. **Black privacy wrap around the chain link.**
5. Please identify the surface type proposed for the access and driveway extending to the compound area. Chapter 88.08 (4) Parking and Circulation Standards require well designed and efficient parking layout and circulation. The provision indicates, parking lots shall provide well defined circulation routes for vehicles and pedestrians. All parking spaces shall be clearly marked. Appropriately placed pavement markings shall be employed where necessary to guide internal circulation and traffic ingress and egress. **We will not be graveling the easement for vehicle movement from the access to the leased area.**
6. Please label the dimensions of the access/driveway and utility easement on the drawing. **Provided**
7. Please label the dimensions of the compound lease area on the drawing. **Provided**
8. In accordance with Chapter 90.08 (4) C, please demonstrate that the proposed height is the minimum necessary to accommodate the proposal's requirements, as documented by a qualified engineer. **Letter stating need provided**
9. Please provide responses to 90.04 1 A-F Standards of Approval from the Story County Land Development Regulations. **Provided**
10. In accordance with Chapter 90.08 (4) (F) 3, signs are not allowed other than safety or warning signs. Please confirm there are no proposed signs. **No signs are proposed.**
11. Is any lighting proposed? If so it must be required by the FAA as identified in Chapter 90.08 (4) (F) 2. Please provide any correspondence from the FAA regarding lighting. **No lighting is proposed.**
12. In accordance with Chapter 90.08 (4) J 7, please indicate if the tower will be available for collocation in the future. **The tower is being constructed solely for Windstream's use. Windstream is not prohibiting future collocation, but it does not anticipate that function.**
13. Have you contacted the County Engineer's office regarding if the access to the parcel is sufficient for the use? **Not county road, spoke with IDOT and received written approval.**
14. What is the range of the proposed tower's Wi-Fi antenna? **Distance of (5) five miles.**
15. Please provide any additional drawings that show more details of the antennas planned to be mounted on the communications tower. **Provided**
16. In accordance with Chapter 90.08 (4) J 10, please provide a copy of the signed lease agreement with the property owner. The fees may be redacted. **Provided**
17. Please have an engineer sign and certify the submitted drawings. **Provided**

18. Please submit a conditional use permit application for this proposed project by February 14th, 2020 to make the deadline for the March 4th, 2020 Planning and Zoning Commission meeting and the March 18th, 2020 Board of Adjustment meeting. **Provided**

Other Communication from County Staff

Auditor's Office:

No Comment

Public notices were mailed to adjacent property owners within ¼ mile of the proposed site on February 19th, 2020.

Comments from the General Public:

No comments were received as of the date of this staff report.

Comments from the Planning and Zoning Commission at their January 8th, 2020 meeting:

Jennifer Jack, a Windstream representatives was present.

In summary, Amman presented the staff report and stated that Windstream is proposing to erect a 105 foot communications tower utility pole to provide broadband access to rural customers. The pole will include the installation of a galvanized steel finish utility pole. The pole will be 100 feet, with a 5-foot lightning rod for the total height of 105 feet.

Moss asked why there is a condition. Amman stated that the access and utility easement agreement has not yet been recorded. Mens asked if the grain bins at Landus will interrupt the signal due to the height of bins. Amman stated that based on what Windstream has provided the tower is for the locations to the North and East of the proposed tower and the applicant would be able to provide additional information.

Jennifer Jacks stated that Windstream is aware of the silos in the area and it was taken into consideration when the location was picked. Jacks stated that the targeted households to serve are being met in the proposed location.

At the March 4th, 2020 meeting, the Planning and Zoning Commission recommended approval of the Conditional Use Permit for the Windstream Broadband Communications Tower as put forth in case CUP01-20, with conditions with a 6-0 vote.

Public Hearing comments from the Board of Adjustment Meeting – March 18th, 2020

Jennifer Jack, Justin Adamson, and Chris Burnett, all Flex representatives for Windstream called into the meeting and were available for questions.

In summary, Amman presented the staff report and stated Windstream is proposing to erect a 105 foot communications tower utility pole to provide broadband access to rural customers. The communications tower will be constructed using a galvanized steel finish utility pole. The pole

will be 100 feet, with a 5-foot lightning rod for the total height of 105 feet. Amman stated that the communications tower would provide internet access to those within 5 miles of the tower, and will likely blend in with the surrounding use, mainly Landus Cooperative to the west. Amman stated that the condition regarding marking the access had been met with an updated site plan showing markers would be placed every 25 feet along the access to delineate where vehicles could drive. Amman stated that on March 4th, 2020 the Story County Planning and Zoning Commission recommended approval of the Conditional Use Permit.

Neubauer asked for clarification about the setback being 50% of the tower. Amman stated the 50% of the tower height setback requirement only applies to the neighboring properties that do not have residential uses on them.

There were no comments from the general public.

Points to Consider for the Conditional Use Permit Request

1. Applicant addressed the need for the broadband utility pole.
2. Communications tower will help support the federal initiative to provide broadband access to rural customers.
3. The communications tower utility pole will be compatible with the surrounding landscape.
4. Traffic impact will be limited.
5. No environmental impacts are expected.

The Board of Adjustment approved the Conditional Use permit CUP01-20 as put forth (vote 4-0), as recommended by the Planning and Zoning Commission (vote 6-0) for the request of a Conditional Use Permit with the conditions below for the Windstream Broadband Communications Tower based on the information provided in the staff report, site review, material provided by the applicant in the submittal, responses to questions/comments, and meeting discussion, as put forth in case CUP01-20:

1. The written access and utility easement will be recorded with the Story County Recorder prior to the issuance of a zoning permit for the Communications Tower.
2. Preliminary Zoning permit for the Communications Tower will not be issued until Story County Land Development Regulations Chapter 88.08 (4) Parking and Circulation Standards are met for well-defined circulation routes and clearly marked parking spaces acceptable to Planning and Development Staff.

Board of Adjustment Action on Written Findings of Fact

Date: April 15th, 2020

VOTE: Ayes Nays

McGill

Brekke

Neubauer

Schneider

Winfrey

Vote:

Chair: _____

**STORY COUNTY, IOWA
CERTIFICATE OF APPEAL OF DIRECTOR’S DECISION
AND WRITTEN FINDINGS OF FACT**

IN THE MATTER OF THE APPLICATION OF: : **ADM02-20**
Andrew Swanson, 64905 190th Street, Nevada, :
IA for the request of an Appeal to the Director’s :
decision involving the property located at 19269 :
650th Avenue, Richland Township, :
unincorporated Story County Section, 21, :
Township 84 Range 22 (Parcel ID Number 07- :
21-200-405) :

March 18, 2020 Story County Board of Adjustment Meeting
MOTION: The Story County Board of Adjustment supports the director’s decision to not
issue a zoning permit or approve an agricultural exemption to Mr. Swanson to place the
railroad caboose on the property located at 19269 650th Avenue.

Motion: Winfrey
Second: Neubauer
Ayes: Winfrey, Neubauer, Brekke, McGill
Nays: None
Not Voting: None
Absent: Schneider
Vote: (4-0)

Written Findings of Fact

Case Summary: On March 6, 2020, Andrew Swanson, 64905 190th Street, Nevada, IA submitted a request to appeal the Director’s (Planning and Development Department) Decision to the Story County Board of Adjustment that a zoning permit cannot be issued or an agricultural exemption cannot be approved to place a railroad caboose on his property located at 19269 650th Avenue, in Richland Township.

Background/Timeline

- Mr. Swanson submitted a letter to the Planning and Development Department on February 3, 2020 identifying his plans to purchase the railroad caboose. He inquired about Story County regulations addressing his plan to place the railroad caboose on his property at 19269 650th Avenue.
- Mr. Swanson indicated that the railroad caboose would be considered a backyard accessory. He also mentioned his plan to construct a single family dwelling on the property but did not have construction plans yet. However, the caboose was available now. If a dwelling was not constructed on the property he indicated he would request to use the railroad caboose as storage.
- Upon review of the letter, I called Mr. Swanson to get a clearer understanding of his plans. He communicated to me that he was interested in railroad cabooses and had an opportunity to purchase a railroad caboose currently used by the Boone Convention and Visitors Bureau that is located in the City of Boone. He indicated that he wanted to place the railroad caboose, along with railroad tracks on his property near one of the existing two accessory structures.

- Mr. Swanson emailed a photo of the railroad caboose to me on February 7, 2020.
- I responded to Mr. Swanson's letter on February 10, 2020 and provided information about principal permitted uses, accessory uses, and conditional uses in the A-1 Agricultural District, and I indicated that a railroad caboose is not a principal permitted use, accessory use, or a conditional use in the A-1 Agricultural District. I also provided information about the definition of accessory structure, and that our department could not issue a zoning permit for the railroad caboose. I provided two options for him to consider in response to my decision from the Story County Land Development Regulations, appealing my decision to Board of Adjustment, and submitting a text amendment requesting a change to the Story County Land Development Regulations to address the railroad caboose.
- Mr. Swanson responded by dropping off a second letter to the Planning and Development Department for me on February 11, 2020. He stated that he questioned my decision, he asked if an item on wheels qualified as real property in need of a permit, and if he could request an agricultural exemption. He also listed other possible uses of the railroad caboose including, a backyard addition for looks or storage, and playground equipment or possible museum. He lastly wanted to know about his penalties or remedies other than the options I provided in my first letter.
- I responded to Mr. Swanson's second letter on February 19, 2020 by restating my previous response and the two options, in addition to Story County Land Development Regulation Chapter 92.11 which requires compliance with the County's ordinance. I also answered his questions and stated that a railroad caboose was a manufactured item intended for the railroad industry, and that a railroad caboose did not meet the items addressed under Story County's or the state's agricultural exemption provisions.
- Mr. Swanson sent me an email on February 20, 2020 generally asking if there were any code or ordinance that would allow the railroad caboose as a museum property or private property. He also asked if in Story County it was a crime and or violation punishable under the law to be in possession of the railroad caboose.
- Mr. Swanson came in to the Planning and Development Department again to discuss my second response. I responded by talking to him and showing him Story County's zoning regulations and how a railroad caboose was not a principal permitted, accessory use, or a potential conditional use in the A-1 District. I also showed him the section from the ordinance that addresses agricultural exemptions and that the provision did not address railroad cabooses or cover his plan to place a railroad caboose on his property.
- Mr. Swanson came into the Planning and Development Department again on March 3, 2020 to show me photos of the railroad caboose with an outdoor electric meter and interior wiring. He asked if I still thought it was a manufactured item intended for the railroad industry. I asked him about the location of the railroad caboose again and he confirmed it was in the City of Boone and I responded that every jurisdiction's ordinances addresses situations like this differently and that the photos did not change my decision and I referred him to the two options I previously provided if he did not agree with my decision.
- Mr. Swanson submitted the appeal on March 6, 2020. The appeal provides background information, a statement about agricultural exemptions, information about permitted uses in the A-1 District, his analysis, and a conclusion.

Analysis

The request – Place a railroad caboose on private property at 19269 650th Avenue, in Richland Township, in unincorporated Story County.

Zoning and land use at property – subject property is zoned A-1 Agricultural District and contains 29.09 acres (25 acres are in agricultural row crops). From review of an aerial, there are two accessory structures approximately 24'x48' and 18'x28' located within an approximate 3 ½ acre grassy and treed area. Mr. Swanson planned to place the railroad caboose in the grassy area of the property, near the accessory structures.

Adjacent zoning and land use – zoned A-1 Agricultural District with agricultural row crops and five single family dwelling within ½ mile of the property. The parcels located north and west of property are also owned by Mr. Swanson. The Village of Fernald has various zoning districts, including R-1 Transitional Residential District, A-2 Agribusiness, and CLI-Commercial Light Industrial. Fernald is located just beyond ½ mile east of the property.

Railroad caboose – manufactured item for the railroad industry. The railroad caboose is currently located in the City of Boone on a commercial property and used by the Boone Convention and Visitors Bureau.

Director's Decision - a railroad caboose is not a principal permitted use, accessory use, or something that may be requested with a conditional use permit in the A-1 Agricultural District. Nor is a railroad caboose identified in Story County's or state law as being agricultural exempt. Consequently, a zoning permit cannot be issued and an agricultural exemption cannot be approved to place the railroad caboose on the property.

Options to address Director's decision

1. Appeal Director's Decision
2. Submit Text Amendment

Applicable Story County Regulations

Story County Land Development Regulations 86.04 A-1 Agricultural District, Statement of Intent. The A-1 District is intended and designed to accommodate land use compatible with agriculture and to protect agricultural land from encroachment of urban land uses. Also, in part, the Cornerstone to Capstone (C2C) Comprehensive Plan designates priority agricultural land as Agricultural Conservation Areas that are intended to preserve rural character.

Principal permitted uses in the A-1 Agricultural District zoning of the property including agricultural row crop and/or livestock production, single family dwelling, horse stables, and cemeteries.

When a principal permitted use is established in the A-1 District, an accessory use may also be permitted including, accessory buildings, home businesses, noncommercial wind energy conversion systems, solar energy systems, and towers and certain Conditional Uses.

Chapter 85.08 Definitions

Accessory Structure (building). A structure detached from a principal building located on the same lot, parcel, or tract and customarily incidental and subordinate to the principal building or use.

Also, Story County Land Development Regulations Chapter 85.07 Exemptions, states in part, "The following exemptions may apply to certain types of development located in unincorporated Story County; however such uses shall not be exempt from the standards set forth in Chapter 87 Land Division Requirements or exempt from adopted Floodplain Management Ordinance Chapter 80 of this Code of Ordinances.

1. Agricultural Exemption. Except to the extent required to implement Section 335.37 Code of Iowa, no regulations adopted under the Ordinance apply to land, farm houses, farm barns, farm outbuildings, or other buildings or structures that are primarily adapted by reason of nature and area, for use for agricultural purposes, while so used."

Chapter 85.08 Definitions

Building. In part, means any structure having a roof supported by walls or by columns designed or intended for enclosure, shelter or housing of persons, animals or chattels.

Structures. Means a combination of materials to form construction for use, occupancy, or ornamentation whether installed on, above, or below the surface of land or water.

Applicable State Regulation

Under Code of Iowa 335.2 Farms Exempt.

Except to the extent required to implement section 335.27, no ordinance adopted under this chapter applies to land, farm houses, farm barns, farm outbuildings or other buildings or structures which are primarily adapted, by reason of nature and area, for use for agricultural

purposes, while so used. However, the ordinances may apply to any structure, building, dam, obstruction, deposit or excavation in or on the flood plains of any river or stream.

March 18, 2020 Story County Board of Adjustment Meeting

Neubauer asked if the caboose was inside of a building if it would then be permitted. Moore stated that he didn't think that was what Mr. Swanson's intent for the caboose and that the railroad caboose would still be located on the property. McGill asked if a CUP could be applied for. Moore stated that there is nothing in chapter 90 that addresses a situation as proposed to place a caboose on provide property, even a possible museum type use, so a text amendment would likely be the best option. Brekke stated that it appears Swanson feels it would be legit with the provided code sections and asked how Moore responded to Swanson's response of feeling it was legit. Moore stated that he responded in the letters that it does not fit the definition of an accessory structure, building or a structure, nor under the definition of agricultural exemption. Brekke asked if the neighbors have concerns. Moore stated the County's ordinance does not require notices to be sent to land owners, so it is not known if neighbors have concerns. Moore stated that since 2016 there has been over 90 requests for agricultural exemptions and 96% of those were approved. Moore stated that he feels the intent for the language in the ordinance adapted for agricultural purposes does not include a railroad caboose. Winfrey asked if since there is not an agricultural purpose to the railroad caboose is the reason it wouldn't be an agricultural use. Moore stated that Mr. Swanson did indicate that the railroad caboose could be used to store plants, however, Moore read the code sections relating to agricultural exemption and the definitions for building and structure and stated that railroad caboose is not covered and its also not the intent of these sections to include a railroad caboose.

Andy Swanson spoke and stated that if he is going to acquire the caboose he wants to be able to use it. Swanson stated that he feels the caboose is a building, the caboose has not been used on the railroad for a long time, and the caboose has been adapted to another use. Swanson stated he does not plan to use it as a caboose, but only to set it on a track so that the steel wheels did not sink into the ground. Swanson stated that he feels if he stored seed or supplies in the caboose that it should be considered an agriculture exemption for use as an accessory structure since his farm is established. Swanson strongly believes that the caboose should not be considered as a railroad use because it is no longer usable as what it was initially intended for and because the caboose had been adapted to another use.

Neubauer asked about precedent being set for manufactured items and wondered if anyone had ever been denied or allowed such items as busses or RV's. Moore stated that he cannot recall a time that a request like this has been allowed. Moore stated that if the railroad caboose is considered a building, could a cable car, airplane, or ship be considered a building? Moore stated that the way the ordinance is set out it addresses certain things that are principal permitted uses. If a principal permitted use is established on a property, then an accessory use may be permitted. Moore stated that occasionally amendments are requested to allow for a use being proposed. This is how zoning works, if a proposed use is not identified in the ordinance, then the applicant may request a text amendment to the ordinance to include and/or identify the use. McGill stated that it seems it would not fall under the original intent of the code and he does not feel an agricultural exemption would allow the caboose either. Swanson stated that he had planned different types of wild flowers and native grasses, and he does not want the area plowed up in the future. He feels that preserving the land would be beneficial to the area where he would like to locate the caboose. Swanson feels that the county should consider changing the definition of a building and also questioned if there would be a difference between a shipping container that was originally designed to be used on a ship being used as a shed, and his proposal with the caboose. Moore asked Mr. Swanson if his intention was to keep the railroad caboose intact. Swanson stated that yes, he would like to keep the caboose intact.

McGill asked for direction from Moore to clarify what steps could be done next. Moore stated that he would like the board to support his decision that a zoning permit could not be approved or an agricultural exemption could not be supported and that Mr. Swanson could still pursue submitting a text amendment that addresses placement of the railroad caboose on his property. Moore further stated that prior to Mr. Swanson submitting a text amendment, he would be happy to meet with him to discuss his plans further and conduct research to share with Mr. Swanson on how other cities and counties in the area and midwest address placement of railroad cabooses. McGill stated that the way the law is written that he feels he would need to support the staff decision even though he believes the caboose is a good idea. Neubauer stated that he understands the argument but does not see the rail car falling within the definition. Winfrey stated that she worries about a precedent being set by allowing this exception or broadening the definition could create an issue.

As stated above, the Story County Board of Adjustment supported (Vote 4-0) the director's decision to not issue a zoning permit or approve an agricultural exemption to Mr. Swanson to place the railroad caboose on his property located at 19269 650th Avenue.

Board of Adjustment Action on Written Findings of Fact

Date: April 15, 2020

VOTE: Ayes Nays

McGill

Brekke

Neubauer

Schneider

Winfrey

Vote:

Chair: _____



Story County Planning and Development

6th Street, Nevada, Iowa, 50201

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MEMORANDUM

TO: Story County Board of Adjustment

FROM: Amelia Schoeneman, Planner

RE: CUP02-90.6, Martin Marietta

MEETING DATE: April 15, 2020

Request Summary

CUP02-90.6 is a request for a minor modification to a conditional use permit to allow the off-site storage of rescue equipment/trailer for the mine in an existing 40' x 60' steel utility building located at 3210 N Dayton Avenue, Parcel 06-30-100-300, and the addition of four slurry drops at the Ames Martin Marietta Mine, 831 Riverside Road, on Parcels 05-13-300-415, 05-24-100-210, and 05-24-100-425. An off-site location is preferable for the rescue trailer and equipment to ensure accessibility during an emergency. The slurry is proposed to be pumped through a 16" above-ground black plastic pipe to the drops (drilled holes) into previously mined out areas underground. Currently, the piping occurs underground but the mine has become too full to continue below ground and above-ground piping is needed to complete the backfill of the mine with slurry. After the solids settle from the slurry, the water is reused. Martin Marietta anticipates using the drops one at a time for one to two years each until the mine under the drops is full. In total, the activity may occur for up to eight years. A driveway to the drop locations has already been constructed. When the underground areas are full, the drops will be plugged and drives removed. The proposed uses will not generate traffic above periodic daily checks of the pipe and monthly training and maintenance of the rescue equipment/trailer. The mine processing/surface area is not proposed to change beyond the additional slurry drops, pipeline, and driveway.

The Board heard the request at their December 18, 2019, meeting and February 19, 2020, meeting, and tabled it to request additional information. The Board requested testing of the slurry to determine its contents, a leak protection plan for the slurry pipeline, and that the Environmental Protection Agency (EPA) and Iowa Department of Natural Resources (DNR) authorize the injection of slurry into the mined-out areas prior to the Board taking action. Detailed summaries of the meetings are below. The original staff report, application, applicant's narrative, maps showing the conditional use permit boundary, rescue shed, and slurry drop locations and are included for the Board's reference on the agenda center. Martin Marietta has provided the testing results, leak protection plan, and authorizations from the EPA and Iowa DNR, as requested. These are also available on the agenda center. The EPA is authorizing the activity and will require biannual testing of the slurry and an annual report with the results. Staff recommends approval of the request with conditions, as listed on pages 7 and 8 of this memo.



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December 18, 2019, Meeting

Planning and Development staff recommended approval of the conditional use permit with conditions at the December 18, 2019, meeting. The conditions included:

- Conditions of the approved Conditional Use Permit Case No. CUP02-90 and subsequent modifications shall be maintained.
- When the use of the slurry drops ceases, the drops shall be plugged and the drive removed. The impacted area shall be revegetated.
- The conditional use permit for the slurry drops, including the conditional use permit boundary around the properties with the drops, shall expire as follows unless subsequent modifications are approved to extend the permit:
 - January 1, 2022, for drop 1 and parcel 05-13-300-415
 - January 1, 2026, for drop 2 and 3 and parcel 05-13-300-415
 - January 1, 2028, for drop 4 and parcel 05-24-100-425
- Additional berming or other measures shall be installed by slurry drop 1 and slurry drop 3 to provide additional protection to the South Skunk River and adjacent property from spills.
- A zoning permit for the 40' x 60' utility building on parcel 06-30-100-300 shall be submitted in 30 days from the approval of the conditional use permit.
- Annual inspection of the slurry drops and pipes by Planning and Development Staff shall occur.

The Board had several questions about the impact on the South Skunk River if the pipeline were to leak. Several members of the public spoke about similar concerns. Additional concerns expressed by the public included noise—the applicant noted that while slurry is not currently being pumped, it has been pumped (as needed) in the past, so this doesn't represent a change. The applicant also noted that there should not be noise from the slurry moving through the pipe. One property owner whose property was within fifty feet of a proposed drop also expressed concerns about the impact of a leak or spill on her property.

The Story County Board of Adjustment approved a motion to table the request until testing and analysis of the slurry to determine its makeup was conducted and a pipeline leak protection plan was submitted.

February 19, 2020, Meeting

Martin Marietta submitted the requested slurry testing results and a pipeline leak prevention plan for the February 19, 2020, meeting. These documents are summarized below.

At the meeting, the Board of Adjustment tabled the request, as recommended by staff, until



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the EPA registered or permitted the slurry drop/injection activities. The Board also requested that Martin Marietta contact the Iowa Department of Natural Resources Water Quality Bureau and ensure no state-issued registration/approval is required and the state groundwater protection rules are met.

Slurry Testing Results

Martin Marietta provided the following summary of the test results, in addition to a copy of the analytical report from the laboratory that conducted the testing (Keystone Laboratories, Inc.):

An aqueous (water) sample from a slurry accumulation basin in the Ames Mine was collected on January 21, 2020. Sample testing was commensurate with products utilized in the mine (i.e. diesel fuel, motor oil, hydraulic oil, etc. used in operation of heavy equipment at the mine), as well as ammonium nitrate used in blasting of rock from mine headings.

The sample was submitted to Keystone Laboratories, Inc. in Newton, Iowa for analysis. Analysis included testing for low volatility petroleum hydrocarbons (diesel and oil), as well as nitrogen testing (ammonia nitrogen, nitrate, and total nitrate plus nitrite).

The test results were below applicable standards for the specified analytes. The following table provides a summary of the laboratory report included in Attachment 1.

Analyte	Results (mg/l)	Applicable Standards (mg/l)
TEH-Diesel	<0.1 (ND)	1.2 (Note 1)
TEH-Waste Oil	<0.1 (ND)	0.4 (Note 1)
TEH – Gasoline*	1.3*	None Established
Nitrogen, Ammonia	<0.1 (ND)	None Established
Nitrogen, Nitrate	9.3	10.0 (MCL)
Nitrogen, Nitrate + Nitrite	9.95	Note 2
Nitrite**	0.65**	1.0 (MCL)

TEH = Total Extractable Hydrocarbons

ND = Below Laboratory Detection Limits

MCL = Maximum Contaminant Level for Drinking Water Established by the US EPA

Note 1: Action Level from Iowa Department of Natural Resources (Iowa DNR) Tier 1 Screening Levels for Risk Based Corrective Action (RBCA) at Leaking Petroleum Underground Storage Tank Sites.

Note 2: Maximum Contaminant Level (MCL) for nitrate is 10 mg/L, and nitrite is 1 mg/L.

**See laboratory report footnote.*



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***Nitrite concentration is total nitrate + nitrite concentration (9.95 mg/l) minus the nitrate concentration (9.3 mg/l)*

The nitrogen, nitrate + nitrite concentrations found are typical when compared to monitoring data collected between 2010 and 2019 from the South Skunk River by the Iowa DNR near Cambridge (Location ID #10850002). These data are provided in Attachment 2 for reference.

To summarize, products used in the mine include diesel fuel and oil for heavy equipment, and ammonium nitrate as a rock-blasting agent. The applicant indicated that nitrogen, nitrate + nitrite was found in the water sample taken from the slurry and results are within drinking water standards. Diesel fuel or oil were not found in the sample. A substance was reported that was present within the laboratory testing range for gasoline but was not present in the full range for gasoline. The applicant indicates they do not use gasoline in the mine. After reviewing the results, staff sought additional information on the applicable standards and specifically the substance that was present in the range of gasoline. Staff contacted the Iowa Department of Natural Resources and Iowa Department of Agriculture and Land Stewardship, who referred staff to the Environmental Protection Agency (EPA). Staff contacted Kurt Hildebrandt, EPA Region 7, Water, Wetlands & Pesticides Division, who works on the EPA's Underground Injection Control program. Mr. Hildebrandt informed staff that Martin Marietta should register the proposed slurry drops with the EPA under the Underground Injection Control Program. Part of the registration would involve the EPA's review of the slurry test results.

The Underground Injection Control program was developed as part of the Safe Drinking Water Act to protect underground sources of drinking water through requirements for injection wells. The EPA must be notified of any injection well and the well at least must be inventoried. A well may be permitted if there is a need to condition the well's operation.

Prior to the December meeting, Martin Marietta requested a formal determination of applicability of the Underground Injection Control Program and submitted details of the proposal to EPA. The EPA had not provided a rule authorization/determination prior to the meeting. In addition, the EPA's Underground Injection Program website notes that the Iowa Department of Natural Resources Water Quality Bureau must be contacted for review of injection activities and Martin Marietta agreed to do this as well.

Slurry Pipeline Leak Protection Plan

Martin Marietta's Environmental Engineer submitted a leak protection plan that involves several different passive and active measures. The plan includes a site map showing the proposed location of the passive measures (rock checks and silt fences). The below descriptions



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of the measures are from the submitted plan:

Pipeline Materials

The pipe material selected for construction of the pipeline is thick walled High Density Polyethylene (HDPE) typical for this type of application. HDPE pipe sections will be welded every 50' and flanged every 500' (or as needed) to allow disconnection for periodic visual inspection of inner wall wear during operation, as well as rotation for even wear. Visual inspection will be practiced periodically during each year of operation and inspection frequency adjusted as pipeline wear advances. Pipe segments will be replaced, as needed, based on the wear observed during the visual inspection.

Pipeline Operational Controls

Controls will be installed to automatically shut down the operating pipeline in the event a leak is detected, and provide visual monitoring during operation allowing for manual shut down in the event of an observed leak. The controls will include:

- Flow sensors will be installed at the pumping station and at the operating slurry drop location. In the event of a flow difference between the pumping station and the operating slurry drop, the system will automatically shut down. The cause of the difference will be determined, resolved, and/or repaired before reactivating the operation.*
- Pressure sensors will be installed at key locations along the pipeline to monitor pipe pressure at different flow rates. If pressure sensors detect a drop or increase in pressure set for variable flow rates, the system will automatically shut down. The cause of the difference will be determined, resolved, and/or repaired before reactivating the operation.*
- Camera surveillance will be installed at key locations to allow visual monitoring of the most critical portions of the pipeline operation. The camera gimble will have the ability to rotate vertically and horizontally by operator control. Visual monitoring through camera surveillance provides additional measures for the operator to manually shut down the pipeline operation if a leak is observed.*

Testing & Maintenance

Automatic controls in place will be inspected, calibrated and maintained to assure effectiveness. Leak simulation apparatus will be installed at each operating slurry drop to allow testing of the automatic shutoff controls. The automatic controls will be tested quarterly during pipeline operations. Testing will provide assurance that leak prevention controls are operating appropriately.

Visual Inspection

The pipeline will be inspected visually on a frequent basis (approximately each day) during its operation. Inspections will allow identification and correction of minor leaks,



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assure the pipeline operation is leak free, and visual path for observation is clear.

Check Dams

Primary spill control will consist of rock check dams placed at key flow pathways to reduce the energy of a liquid slurry leak. The check dams will reduce or prevent channeling in the case of a leak under pressure. These measures would allow large fines to drop out and slow the slurry rate of flow reducing its erosional force. The check dams and their condition will be observed during visual inspection of the pipeline to assure they remain intact and are maintained for effectiveness.

Vegetation

The pipeline location is across vegetated land. The vegetation provides fines settlement properties and helps silt settle in the event of a slurry leak from the pipeline. If a slurry leak occurred, vegetation would be re-established in applicable areas affected.

Silt Fencing

Secondary spill control will consist of installing silt fencing down grade from the key flow pathways at the locations provided on Figure 1. The silt fencing will be placed to prevent sediment carrying water, that could result from a significant slurry leak, from reaching the Skunk River. The silt fencing will be inspected monthly and/or after large rain events during non-winter weather months. It will be maintained or replaced, as needed, to assure its effectiveness.

Regarding the passive measures, the check dams are proposed to be placed downslope of slurry drop 1 and 2 and the pipeline leading to these drops as these drops are closest to the South Skunk River. Silt fencing is also proposed in these areas.

Slurry drop 3 is proposed to be moved to a setback of 200 feet from the east external property line. It was previously proposed to have a setback of 50 feet from this common property line. The new placement will also cause any leaks/spills to flow to the west on the mine property rather than towards the external property. Martin Marietta is also proposing an earthen diversion berm to the southwest of slurry drop 3 and the pipeline. There is also a culvert in this area that will be closed in the event of a spill.

EPA and Iowa DNR Action

The EPA and Martin Marietta provided staff with the EPA's rule authorization on the injection of slurry underground. It is also posted on the agenda center for the Board's review. As part of the EPA's review, a second sample of slurry was analyzed. Per the rule authorization, "the use of wells to inject/emplace the wash water into the mined out portions of the underground operations to allow for settling of fines and particulate matter from the washing process before reuse in the washing process should not result in an adverse impact to any underground sources of drinking water or otherwise adversely affect the health of humans." However, the EPA did place several



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conditions on the authorization, including that Martin Marietta will sample and analyze the slurry biannually and submit the results to the EPA, only wastewater from the washing of crushed limestone is approved to be injected, the EPA should be consulted before alterations to the wash process that may change the chemical composition of the wastewater, and that the EPA be notified before new slurry drops are constructed to ensure testing requirements are adequate. An annual report is required to be submitted by January 31 that summarizes the operations and includes the slurry test results.

The EPA copied the Iowa DNR on the rule authorization. Martin Marietta also followed up with the DNR to ensure no other permits were required and provided staff with an email from the DNR that no further permission or authorization from the DNR is required. The email has been posted to the agenda center for the Board's review.

Recommendation and Alternatives

Based on the EPA's rule authorization, staff recommends that the Board find the standard for environmental protection for a conditional use permit is met, along with other standards, and approve the request with conditions.

The Story County Board of Adjustment may consider the following alternatives:

1. The Story County Board of Adjustment approves the Conditional Use Permit for the addition of slurry drops and off-site rescue equipment/trailer storage at the Martin Marietta Ames Mine as put forth in case CUP02-90.6, as submitted.
2. **The Story County Board of Adjustment approves the Conditional Use Permit for the addition of slurry drops and off-site rescue equipment/trailer storage at the Martin Marietta Ames Mine as put forth in case CUP02-90.6, as submitted, with conditions as follows:**
 - **Conditions of the approved Conditional Use Permit Case No. CUP02-90 and subsequent modifications shall be maintained.**
 - **When the use of the slurry drops ceases, the drops shall be plugged and the drive removed. The impacted area shall be revegetated.**
 - **The conditional use permit for the slurry drops, including the conditional use permit boundary around the properties with the drops, shall expire as follow, unless subsequent modifications are approved to extend the permit:**
 - **January 1, 2022, for drop 1 and parcel 05-13-300-415**
 - **January 1, 2026, for drop 2 and 3 and parcel 05-13-300-415**
 - **January 1, 2028, for drop 4 and parcel 05-24-100-425**
 - **A zoning permit for the 40' x 60' utility on parcel building shall be submitted in 30 days from the approval of the conditional use permit.**



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- **Annual inspection of the slurry drops and pipes by Planning and Development Staff shall occur.**
-
- 3. The Story County Board of Adjustment denies the Conditional Use Permit for the addition of slurry drops and off-site rescue equipment/trailer storage at the Martin Marietta Ames Mine as put forth in case CUP02-90.6, as submitted.
- 4. The Story County Board of Adjustment remands the Conditional Use Permit for the addition of slurry drops and off-site rescue equipment/trailer storage at the Martin Marietta Ames Mine as put forth in case CUP02-90.6, back to the applicant for further review and/or modifications and directs staff to place this item on the May 20, 2020, Story County Board of Adjustment Agenda.

CONDITIONAL USE PERMITS



1. Property Owner*

(Last Name) E.I. Sargent & Associates, LLC
 (First Name) Bishop Farms, LLC
 (Address) 10823 Elmcrest Drive
 (City) Clive (State) IA (Zip) 50325
 (Phone) (515) 681-4788 (Email) 2010bish@mchsi.com

2. Applicant (if different than owner)

(Last Name) Martin Marietta Materials, Inc.
 (First Name) _____
 (Address) 11252 Aurora Avenue
 (City) Des Moines (State) IA (Zip) 50322
 (Phone) (515) 697-3425 (Email) neil.grant@martinmarietta.com

3. Property Address 831 Riverside Road, Ames, IA 50010

Parcel ID Number(s) See attached

4. Certification and Signature

I/we certify that the information and exhibits submitted are true and correct to the best of my knowledge and that in filing this application I am acting with the knowledge, consent and authority of the owners of the property. Pursuant to said authority, I hereby permit County officials to enter upon the property for the purpose of inspection.

*Acknowledgement of property owner is required and may occur via email or by signature of this application.

Property Owner Signature See attached Date _____ Applicant Signature *William J. Sargent* Date 12/2/19

There are 3 types of CUP Modifications: insignificant, minor, and major. The Director of Planning and Development makes the determination of the type. Insignificant modifications are reviewed by the director. Minor modifications are reviewed by the Board of Adjustment. Major modifications are considered new conditional use applications and follow the same review process as a new conditional use permit application.

New Conditional Use Permit

Proposed Conditional Use: _____

Submittal Requirements:

- Attend conceptual review meeting (prior to submittal of CUP application, see conceptual review application and deadline on Planning and Development website)
- Filing Fee (required prior to processing): \$275
- Site development plan
- Written narrative explaining justification for proposed conditional use permit and conformance to the standards for approval in Section 90.04 of the Story County Code of Ordinances.

Conditional Use Permit Modification

Previous CUP and Number: CUP 02-90

Submittal Requirements:

- Filing Fee (required prior to processing) : \$50 (If determined to be a minor modification by the Planning and Development Director, the fee amount is \$175.)
- Site development plan
- Written narrative explaining modification of approved conditional use permit and response to the standards for approval in Section 90.04 of the Story County Code of Ordinances.

RECEIVED

DEC 06 2019

STORY CO. PLANNING & DEVELOPMENT

Receipt No. 57094
 Receipt Amount 175

Parcel ID Numbers

Mine Rescue shed

Parcel #: 06-30-100-300

Owner: E. I. Sargent & Associates

Slurry drops

Parcel #: 05-13-300-415

Owner: Bishop Farms

Parcel #: 05-24-100-210

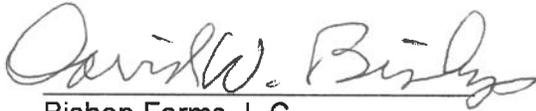
Owner: Bishop Farms

Parcel #: 05-24-100-425

Owner: Bishop Farms

Property Owner Consent and Authority

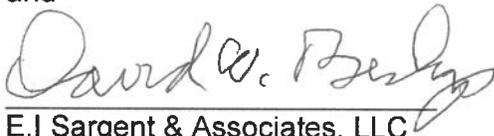
The owners of the property hereby authorize Martin Marietta Materials, Inc. to apply for a modification to an existing Conditional Use Permit on the subject property, and furthermore said owners consent to this application.



Bishop Farms, L.C.

By: David W. Bishop, Manager

and



E.I Sargent & Associates, LLC

By: David W. Bishop, Manager

E.I Sargent & Associates, LLC



Limestone Fines Slurry Pipeline Leak Prevention Plan

Ames Limestone Aggregates Mine

831 East Riverside Road

Ames, IA 50010

Lat: 42:04:40N Long: 93:34:29W

Crushed Limestone Aggregates

SIC: 1442

NAICS: 212312

Martin Marietta Materials, Inc.

11252 Aurora Avenue

Des Moines, Iowa 50322

(515) 254-0030

Background

This document serves as a Leak Prevention Plan for operating a pipeline to transport limestone fines slurry (limestone fines and water) at Martin Marietta's Ames Mine. The fines and water mixture are generated during washing of crushed limestone aggregates. The water used in the washing process is pumped from an existing sump, constructed inside the underground mine, to the wash plant on the surface. The resulting slurry from the wash plant will be pumped from a facility in the production area through an over-land pipeline to slurry drops (vertical shafts) for filling in formerly mined areas.

The slurry drops will be used to deposit fines settled from the slurry to fill in void spaces where former mined out areas exist. Water drains from the settled fines back to the mine sump for reuse. A Site Map showing the planned location of the pipeline, and Slurry Drop locations 1 through 4 are presented on Figure 1.

Purpose

The purpose of this plan is to provide active measures and passive measures that will minimize impact in the event of a pipeline slurry leak on the surface, and prevent its discharge to the Skunk River which borders the western and northwestern Ames Mine property boundary.

Applicability

This plan is applicable to the operation of the pipeline for transport of slurry to the locations of Slurry Drop 1 and Slurry Drop 2 until the available void spaces of mined out areas in the vicinity are filled. Subsequently, Slurry Drop locations 3 and 4 will be constructed. These locations are further away from the Skunk River. As such, slurry pipeline operations at Slurry Drop locations 3 and 4 will reduce the risk for a slurry leak to flow over-land into the Skunk River. The estimated time of the operation at these locations is 2-4 years.

Active Measures

Pipeline Materials

The pipe material selected for construction of the pipeline is thick walled High Density Polyethylene (HDPE) typical for this type of application. HDPE pipe sections will be welded every 50' and flanged every 500' (or as needed) to allow disconnection for periodic visual inspection of inner wall wear during operation, as well as rotation for even wear. Visual inspection will be

practiced periodically during each year of operation and inspection frequency adjusted as pipeline wear advances. Pipe segments will be replaced, as needed, based on the wear observed during the visual inspection.

Pipeline Operational Controls

Controls will be installed to automatically shut down the operating pipeline in the event a leak is detected, and provide visual monitoring during operation allowing for manual shut down in the event of an observed leak. The controls will include:

- Flow sensors will be installed at the pumping station and at the operating slurry drop location. In the event of a flow difference between the pumping station and the operating slurry drop, the system will automatically shut down. The cause of the difference will be determined, resolved, and/or repaired before reactivating the operation.
- Pressure sensors will be installed at key locations along the pipeline to monitor pipe pressure at different flow rates. If pressure sensors detect a drop or increase in pressure set for variable flow rates, the system will automatically shut down. The cause of the difference will be determined, resolved, and/or repaired before reactivating the operation.
- Camera surveillance will be installed at key locations to allow visual monitoring of the most critical portions of the pipeline operation. The camera gimble will have the ability to rotate vertically and horizontally by operator control. Visual monitoring through camera surveillance provides additional measures for the operator to manually shut down the pipeline operation if a leak is observed.

Testing & Maintenance

Automatic controls in place will be inspected, calibrated and maintained to assure effectiveness. Leak simulation apparatus will be installed at each operating slurry drop to allow testing of the automatic shutoff controls. The automatic controls will be tested quarterly during pipeline operations. Testing will provide assurance that leak prevention controls are operating appropriately.

Visual Inspection

The pipeline will be inspected visually on a frequent basis (approximately each day) during its operation. Inspections will allow identification and correction of minor leaks, assure the pipeline operation is leak free, and visual path for observation is clear.

Passive Measures

Passive measures will be installed to prevent suspended solids from reaching the Skunk River in the event the active measures fail and a slurry spill occurs.

Check Dams

Primary spill control will consist of rock check dams placed at key flow pathways to reduce the energy of a liquid slurry leak. The check dams will reduce or prevent channeling in the case of a leak under pressure. These measures would allow large fines to drop out and slow the slurry rate of flow reducing its erosional force. The check dams and their condition will be observed during visual inspection of the pipeline to assure they remain intact and are maintained for effectiveness. Locations of the check dams to be installed are shown on Figure 1. A typical rock check dam referenced from Statewide Urban Design and Specifications (SUDAS) Iowa is provided as an attachment to supplement Figure 1, including estimated basin volumes upgrade of the check dams.

Vegetation

The pipeline location is across vegetated land. The vegetation provides fines settlement properties and helps silt settle in the event of a slurry leak from the pipeline. If a slurry leak occurred, vegetation would be re-established in applicable areas affected.

Silt Fencing

Secondary spill control will consist of installing silt fencing down grade from the key flow pathways at the locations provided on Figure 1. Estimated lengths of the silt fences are included as an attachment to supplement Figure 1. The silt fencing will be placed to prevent sediment carrying water, that could result from a significant slurry leak, from reaching the Skunk River. The silt fencing will be inspected monthly and/or after large rain events during non-winter weather months. It will be maintained or replaced, as needed, to assure its effectiveness.

Slurry Spill Notification Procedures

The following reporting procedures should be immediately implemented after a slurry discharge into the Skunk River (of any size) has occurred.

1. Immediately contact the Plant Manager to report the discharge:

Plant Manager: **Doug Robey**
Office Phone Number: **(515) 817-5001**
Mobile: **(515) 689-1521**

Assistant Plant Manager: **Anson Flaspohler**
Office Phone Number: **(515) 817-5002**
Mobile: **(515) 357-1521**

If the Plant Manager or Assistant Plant Manager is not available, summon the Martin Marietta Environmental Contact below. If the Environmental Contact is not available, summon the subsequent contacts listed:

MM Environmental Contact: **James Marek, Senior Environmental Engineer**
Office Phone Number: **515-697-3428**
Mobile: **(515)-205-0101**

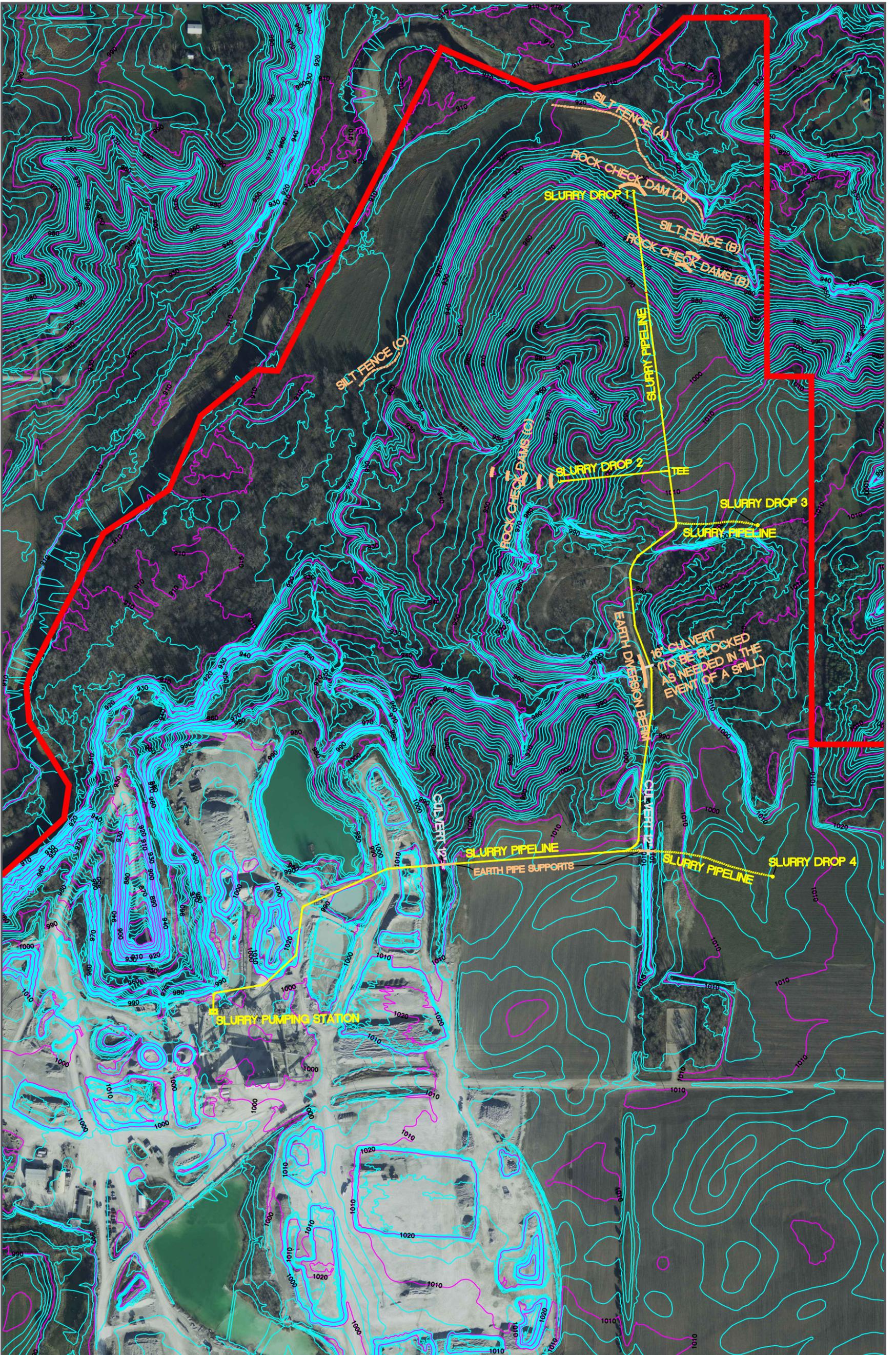
MM Management Contact: **Scotty Gerbes, District Production Manager**
Office Phone Number: **(515) 697-3422**
Mobile: **515-473-2027**

MM Executive Contact: **Todd Clock, Vice President – General Manager**
Office Phone Number: **(515) 697-3407**
Mobile: **(515) 953-9026**

2. Based on the size, nature and circumstances of a slurry discharge, Martin Marietta will notify the appropriate regulatory authorities.

When contacting the above, have the following information readily available:

- Time and location of spill: _____
- Quantity of slurry spilled: _____
- Cause and circumstances of spill: _____
- Hazards associated with the spill: _____
- Surface Water affected by spill: _____
- Personal injuries, if any: _____
- Corrective action taken or planned to be taken: _____
- Name and number of individual reporting spill: _____
- Any additional pertinent information: _____



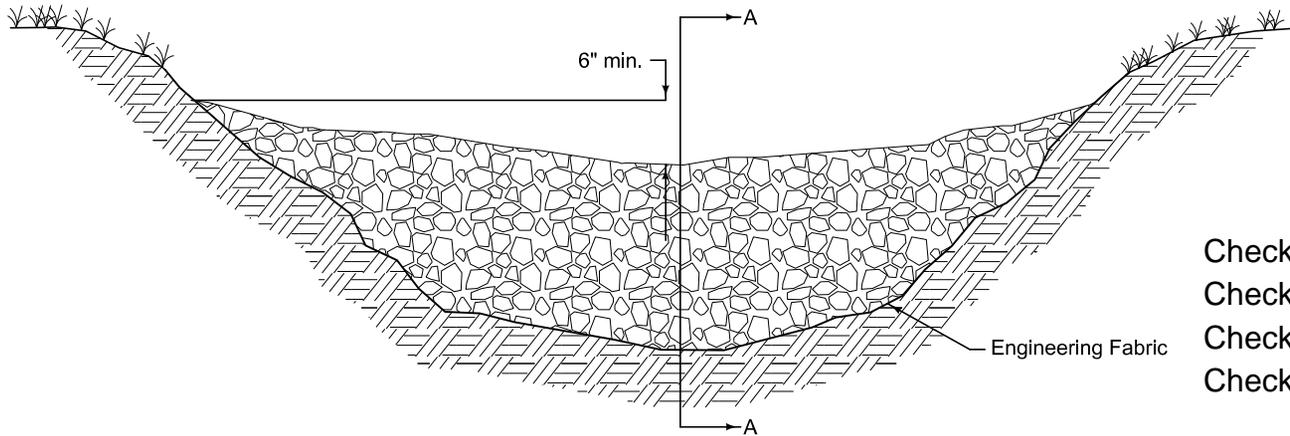
175 0 175 350 525
 Scale 1" = 350

NORTH

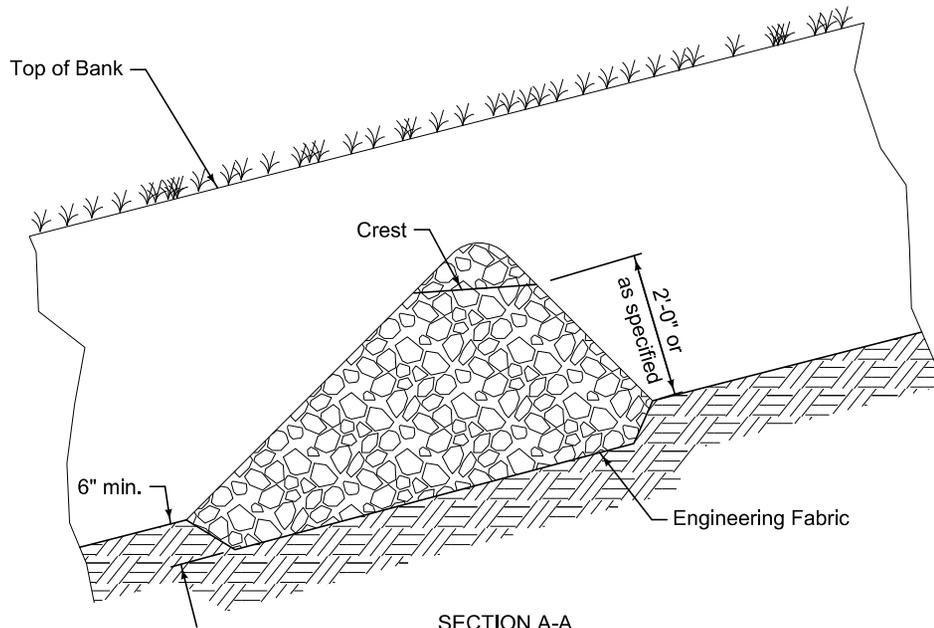
SEE ATTACHED SUPPLEMENT

	DRAWING FILE NAME:	DWN BY:	DATE:	COUNTY:	STATE:	QUARRY:
	11252 AURORA AVENUE DES MOINES, IOWA 50322 (515)254-0030	J\A	JM	02/03/2020		IOWA
	TIFF FILE NAME:	CHK BY:	SCALE:	PHOTO DATE:	PHOTO FRAME:	DRAWING NAME:
	E\A		1" = 350'	2018	FRAME # XXX	FIGURE 1

FIGURE 1 Supplement



DITCH CROSS-SECTION



SECTION A-A

Notes to FIGURE 1:

Check Dam Basin Volume Estimates in cubic feet:

Check Dam A = 2,600

Check Dams B = 1,150 (670 initial dam)

Check Dams C = 2,730 (870 initial dam)

Silt Fence Lengths in feet:

Silt Fence A = 770

Silt Fence B = 115

Silt Fence C = 200

Rip-rap Erosion Stone Tons Estimate:

Check Dam A = 30

Check Dams B = 32

Check Dams C = 60

	REVISION 2 10-21-14
	SUDAS 9040.107
	SHEET 1 of 1
SUDAS Standard Specifications	
ROCK CHECK DAM	



Slurry Sample Test Results Summary

An aqueous (water) sample from a slurry accumulation basin in the Ames Mine was collected on January 21, 2020. Sample testing was commensurate with products utilized in the mine (i.e. diesel fuel, motor oil, hydraulic oil, etc. used in operation of heavy equipment at the mine), as well as ammonium nitrate used in blasting of rock from mine headings.

The sample was submitted to Keystone Laboratories, Inc. in Newton, Iowa for analysis. Analysis included testing for low volatility petroleum hydrocarbons (diesel and oil), as well as nitrogen testing (ammonia nitrogen, nitrate, and total nitrate plus nitrite).

The test results were below applicable standards for the specified analytes. The following table provides a summary of the laboratory report included in Attachment 1.

Analyte	Results (mg/l)	Applicable Standards (mg/l)
TEH-Diesel	<0.1 (ND)	1.2 (Note 1)
TEH-Waste Oil	<0.1 (ND)	0.4 (Note 1)
TEH – Gasoline*	1.3*	None Established
Nitrogen, Ammonia	<0.1 (ND)	None Established
Nitrogen, Nitrate	9.3	10.0 (MCL)
Nitrogen, Nitrate + Nitrite	9.95	Note 2
Nitrite**	0.65**	1.0 (MCL)

TEH = Total Extractable Hydrocarbons

ND = Below Laboratory Detection Limits

MCL = Maximum Contaminant Level for Drinking Water Established by the US EPA

Note 1: Action Level from Iowa Department of Natural Resources (Iowa DNR) Tier 1 Screening Levels for Risk Based Corrective Action (RBCA) at Leaking Petroleum Underground Storage Tank Sites.

Note 2: Maximum Contaminant Level (MCL) for nitrate is 10 mg/L, and nitrite is 1 mg/L.

*See laboratory report footnote.

**Nitrite concentration is total nitrate + nitrite concentration (9.95 mg/l) minus the nitrate concentration (9.3 mg/l)

The nitrogen, nitrate + nitrite concentrations found are typical when compared to monitoring data collected between 2010 and 2019 from the South Skunk River by the Iowa DNR near Cambridge (Location ID #10850002). These data are provided in Attachment 2 for reference.

Attachment 1 – Laboratory Results

ANALYTICAL REPORT

February 03, 2020

Work Order: 1A01351

Page 1 of 7

Report To
Jim Marek Martin Marietta 11252 Aurora Ave Urbandale, IA 50322

Work Order Information
Date Received: 1/21/2020 12:20:00PM Collector: Marek, James Phone: (515) 697-3426 PO Number: 11424686 NB

Project: Water Sampling

Project Number: Ames

Analyte	Result	MRL	Batch	Method	Analyst	Analyzed	Qualifier
1A01351-01	Slurry Drop Area			Matrix: Water		Collected: 01/21/20 09:30	
TEH, as gasoline	1.3 mg/L	0.1	1DA1047	Iowa OA-2	TJB	01/31/20 21:16	D-03
TEH, as #2 diesel fuel	<0.1 mg/L	0.1	1DA1047	Iowa OA-2	TJB	01/31/20 21:16	
TEH, as waste oil	<0.1 mg/L	0.1	1DA1047	Iowa OA-2	TJB	01/31/20 21:16	
Total Extractable Hydrocarbons	1.3 mg/L	0.1	1DA1047	Iowa OA-2	TJB	01/31/20 21:16	
<i>Surrogate: Pentacosane</i>	49.6 %			13-162	TJB	01/31/20 21:16	
Nitrogen, Ammonia	<0.10 mg/L	0.10	1DA0802	TIMBERLINE	JAR	01/22/20 9:05	PH-3
Nitrogen, Nitrate+Nitrite	9.95 mg/L	0.40	1DA0914	EPA 353.2	SAA	01/23/20 16:19	PH-3
Nitrogen, Nitrate	9.3 mg/L	0.1	1DA0841	300.0	MID	01/21/20 13:50	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL= Method Reporting Limit.

Martin Marietta
11252 Aurora Ave
Urbandale, IA 50322

February 03, 2020
Page 2 of 7

Work Order: 1A01351

Determination of Extractable Petroleum Hydrocarbons - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1DA1047 - 3510C OA-2 Sep Fnl

Blank (1DA1047-BLK1)										
					Prepared: 01/28/20 Analyzed: 01/31/20					
Surrogate: Pentacosane	0.0338		mg/L	0.0500000		67.7	13-162			
TEH, as gasoline	ND	0.1	"							
TEH, as #2 diesel fuel	ND	0.1	"							
TEH, as waste oil	ND	0.1	"							
Total Extractable Hydrocarbons	ND	0.1	"							

LCS (1DA1047-BS1)										
					Prepared: 01/28/20 Analyzed: 01/31/20					
Surrogate: Pentacosane	0.0315		mg/L	0.0500000		63.1	13-162			
TEH, as #2 diesel fuel	0.92	0.1	"	2.17440		42.4	11-118			

LCS Dup (1DA1047-BSD1)										
					Prepared: 01/28/20 Analyzed: 01/31/20					
Surrogate: Pentacosane	0.0309		mg/L	0.0500000		61.8	13-162			
TEH, as #2 diesel fuel	1.01	0.1	"	2.17440		46.6	11-118	9.35	30	

Reference (1DA1047-SRM1)										
					Prepared: 01/28/20 Analyzed: 01/31/20					
Surrogate: Pentacosane	0.0491		mg/L	0.0500000		98.2	13-162			
TEH, as #2 diesel fuel	1.94	0.1	"	2.17440		89.3	0-200			

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Martin Marietta
11252 Aurora Ave
Urbandale, IA 50322

February 03, 2020
Page 3 of 7

Work Order: 1A01351

Determination of Conventional Chemistry Parameters - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1DA0802 - Wet Chem Preparation

Blank (1DA0802-BLK1)				Prepared & Analyzed: 01/22/20						
Nitrogen, Ammonia	ND	0.10	mg/L							
LCS (1DA0802-BS1)				Prepared & Analyzed: 01/22/20						
Nitrogen, Ammonia	5.77	0.10	mg/L	5.55556		104	90-114			
Matrix Spike (1DA0802-MS1)				Source: 1A01316-02		Prepared & Analyzed: 01/22/20				
Nitrogen, Ammonia	14.6	0.10	mg/L	5.55556	9.48	92.9	84-115			
Matrix Spike Dup (1DA0802-MSD1)				Source: 1A01316-02		Prepared & Analyzed: 01/22/20				
Nitrogen, Ammonia	13.7	0.10	mg/L	5.55556	9.48	75.1	84-115	7.00	20	QM-12

Batch 1DA0914 - Wet Chem Preparation

Blank (1DA0914-BLK1)				Prepared & Analyzed: 01/23/20						
Nitrogen, Nitrate+Nitrite	ND	0.10	mg/L							
LCS (1DA0914-BS1)				Prepared & Analyzed: 01/23/20						
Nitrogen, Nitrate+Nitrite	4.65	0.10	mg/L	4.98500		93.4	90-110			
Matrix Spike (1DA0914-MS1)				Source: 1A01411-01		Prepared & Analyzed: 01/23/20				
Nitrogen, Nitrate+Nitrite	20.5	0.40	mg/L	19.9400	1.17	96.8	90-110			
Matrix Spike Dup (1DA0914-MSD1)				Source: 1A01411-01		Prepared & Analyzed: 01/23/20				
Nitrogen, Nitrate+Nitrite	20.6	0.40	mg/L	19.9400	1.17	97.2	90-110	0.390	10	

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Martin Marietta
11252 Aurora Ave
Urbandale, IA 50322

February 03, 2020
Page 4 of 7

Work Order: 1A01351

Determination of Inorganic Anions - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1DA0841 - General Prep HPLC/IC										
Blank (1DA0841-BLK1) Prepared & Analyzed: 01/21/20										
Nitrogen, Nitrate	ND	0.1	mg/L							
Blank (1DA0841-BLK2) Prepared & Analyzed: 01/21/20										
Nitrogen, Nitrate	ND	0.1	mg/L							
Blank (1DA0841-BLK3) Prepared & Analyzed: 01/22/20										
Nitrogen, Nitrate	ND	0.1	mg/L							
Blank (1DA0841-BLK4) Prepared & Analyzed: 01/22/20										
Nitrogen, Nitrate	ND	0.1	mg/L							
LCS (1DA0841-BS1) Prepared & Analyzed: 01/21/20										
Nitrogen, Nitrate	2.66	0.1	mg/L	2.64552		101	90-110			
LCS (1DA0841-BS2) Prepared & Analyzed: 01/21/20										
Nitrogen, Nitrate	2.68	0.1	mg/L	2.64552		101	90-110			
LCS Dup (1DA0841-BSD1) Prepared & Analyzed: 01/21/20										
Nitrogen, Nitrate	2.69	0.1	mg/L	2.64552		102	90-110	1.16	10	
LCS Dup (1DA0841-BSD2) Prepared & Analyzed: 01/21/20										
Nitrogen, Nitrate	2.67	0.1	mg/L	2.64552		101	90-110	0.449	10	
MRL Check (1DA0841-MRL1) Prepared & Analyzed: 01/21/20										
Nitrogen, Nitrate	0.09	0.1	mg/L	0.108078		82.3	0-200			
Matrix Spike (1DA0841-MS1) Source: 1A00826-03 Prepared & Analyzed: 01/21/20										
Nitrogen, Nitrate	22.58	0.5	mg/L	13.2276	9.40	99.7	80-120			

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Martin Marietta
11252 Aurora Ave
Urbandale, IA 50322

February 03, 2020
Page 5 of 7

Work Order: 1A01351

Determination of Inorganic Anions - Quality Control
Keystone Laboratories, Inc. - Newton

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch 1DA0841 - General Prep HPLC/IC

Matrix Spike (1DA0841-MS2)	Source: 1A00590-02			Prepared & Analyzed: 01/21/20						
Nitrogen, Nitrate	42.12	1.0	mg/L	26.4552	15.23	102	80-120			
Matrix Spike Dup (1DA0841-MSD1)	Source: 1A00826-03			Prepared & Analyzed: 01/21/20						
Nitrogen, Nitrate	22.58	0.5	mg/L	13.2276	9.40	99.6	80-120	0.0221	10	
Matrix Spike Dup (1DA0841-MSD2)	Source: 1A00590-02			Prepared & Analyzed: 01/21/20						
Nitrogen, Nitrate	42.37	1.0	mg/L	26.4552	15.23	103	80-120	0.592	10	

ND = Non Detect; REC= Recovery; RPD= Relative Percent Difference

Certified Analyses Included In This Report

Method/Matrix	Analyte	Certifications
300.0 in Water	Nitrogen, Nitrate	KS-NT,SIA1X
EPA 353.2 in Water	Nitrogen, Nitrate+Nitrite	KS-NT,SIA1X
Iowa OA-2 in Water	Total Extractable Hydrocarbons	SIA1X
TIMBERLINE in Water	Nitrogen, Ammonia	SIA1X

Code	Description	Number	Expires
KS-KC	Kansas Department of Health and Environment-KC	E-10110	04/30/2020
KS-NT	Kansas Department of Health and Environment (NELAP)	E-10287	10/31/2020
MO-KC	Missouri Department of Natural Resources	140	04/30/2020
SIA1X	Iowa Department of Natural Resources	95	02/01/2021

Notes and Definitions

- D-03 The result for this hydrocarbon is elevated due to the presence of single analyte peak(s) in the quantitation range.
- PH-3 Insufficient preservative to adjust the sample pH to less than 2, value measured at 7 pH units.
- QM-12 The spike recovery was outside acceptance limits for the MS and/or MSD.

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Martin Marietta
11252 Aurora Ave
Urbandale, IA 50322

February 03, 2020
Page 6 of 7

Work Order: 1A01351

End of Report

A handwritten signature in cursive script that reads "Leslie Taylor".

Keystone Laboratories, Inc.
Leslie Taylor For Sue Thompson
Client Services Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL= Method Reporting Limit.

Martin Marietta
11252 Aurora Ave
Urbandale, IA 50322

February 03, 2020
Page 7 of 7

Work Order: 1A01351

CHAIN OF CUSTODY RECORD

Keystone
LABORATORIES, INC.

600 East 17th Street South
Newton, IA 50208
641-792-8451

Page 1 of
Printed: 1/20/2020 11:00:28A
www.keystonelabs.com

REPORT TO
Jim Marek
Martin Marietta
11252 Aurora Ave
Urbandale, IA 50322

INVOICE TO
Jim Marek
Martin Marietta
11252 Aurora Ave
Urbandale, IA 50322

SITE INFORMATION
Sampler: JAMES MAREK
Project: SLURRY Sampling AMES MINE

SPECIAL INSTRUCTIONS
None
Turn Around Time
 Standard RUSH, need by / /

LAB USE ONLY
Work Order: 1A01351
Temperature:
Turn-Cooler: No

Custody Seal
Containers Intact
COC/Labels Agree
Preservation Confirmed
Received on Ice

Number	Sample Identification / Client ID	Matrix	Sample Type	Date	Time	Number of Containers	Analyses	Lab Sample Number
-001	<u>Slurry STOP AME</u>	Water	GRAB	<u>1/22/20</u>	<u>09:30</u>	<u>3</u>	na3-timberline nox-353.2	no3-300.0 na2-iowa
-001		Water	GRAB	<u>1/1</u>			na3-timberline nox-353.2	no3-300.0 na2-iowa
-001		Water	GRAB	<u>1/1</u>			na3-timberline nox-353.2	no3-300.0 na2-iowa

Relinquished By: James Marek Date/Time: 1/20/20 12:40 PM

Received By: Jim Marek Date/Time: 1-21-20 12:20

Remarks:

Original - Lab Copy Yellow - Sampler Copy

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. Samples were preserved in accordance with 40 CFR for pH adjustment unless otherwise noted. MRL= Method Reporting Limit.

Attachment 2 – Iowa DNR Monitoring Station ID#10850002 Reference

AQUIA

South Skunk River near Cambridge (DS1) ID#10850002

Description County Road E55 bridge near Cambridge. (280th Street). Located on the same street as Ames Wastewater Treatment Plant. Ambient Surface Water Site. One of original 16 monthly sites. Downstream City Site (Ames).

Remark County Road E55 bridge near Cambridge.

[SITE PROPERTIES](#)

[SAMPLING RESULTS](#)

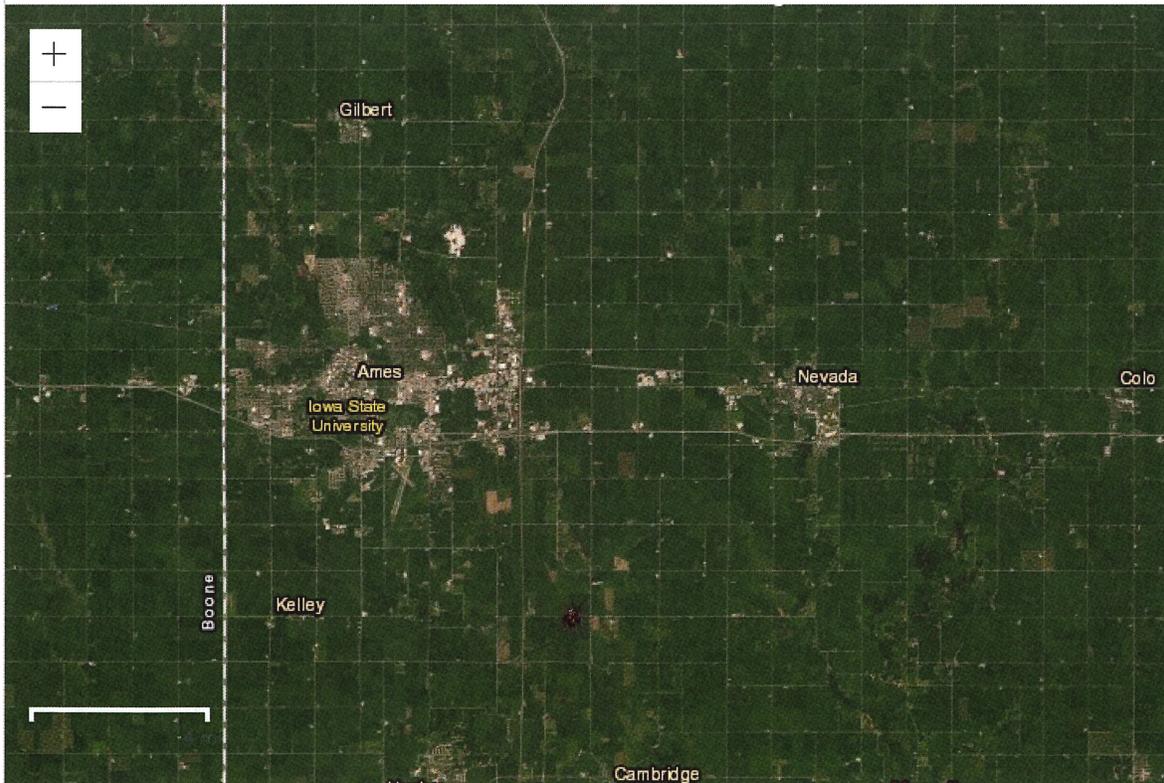
[ANNUAL SUMMARY](#)

[ANALYSIS](#)

Facility [21IOWA](#)
Type River/Stream
HUC8 Basin 07080105
County STORY
State IA
Latitude 41.95037970
Longitude -93.55101310
Last Sample Date 12/9/2019 12:45:00 PM
Total results 10392

Additional Resources

ADB Segment [931](#)
BioNet SiteID [286](#)
Legacy Storet ID 390566



Iowa DNR Nitrogen Monitoring - Cambridge, Iowa Sampling Location South Skunk River

	Fraction	Unit	Year	Average	Max	Min
Inorganic nitrogen (nitrate and nitrite)	Total	mg/l	2019	6.0583	9.3	3
Inorganic nitrogen (nitrate and nitrite)	Total	mg/l	2018	7.7	12	3.4
Inorganic nitrogen (nitrate and nitrite)	Total	mg/l	2017	9.1417	14	3
Inorganic nitrogen (nitrate and nitrite)	Total	mg/l	2016	9.55	18	1.9
Inorganic nitrogen (nitrate and nitrite)	Total	mg/l	2015	12.7417	18	8
Inorganic nitrogen (nitrate and nitrite)	Total	mg/l	2014	13.3667	23	2
Inorganic nitrogen (nitrate and nitrite)	Total	mg/l	2013	14.6417	23	3.8
Inorganic nitrogen (nitrate and nitrite)	Total	mg/l	2012	11.9167	20	4.4
Inorganic nitrogen (nitrate and nitrite)	Total	mg/l	2011	7.6583	15	1.9
Inorganic nitrogen (nitrate and nitrite)	Total	mg/l	2010	6.3917	9	1.8
Kjeldahl nitrogen	Total	mg/l	2019	0.8925	2.2	0.3
Kjeldahl nitrogen	Total	mg/l	2018	1.3417	4.5	0.4
Kjeldahl nitrogen	Total	mg/l	2017	0.825	1.3	0.3
Kjeldahl nitrogen	Total	mg/l	2016	0.5125	1	<0.1
Kjeldahl nitrogen	Total	mg/l	2015	0.6167	1.4	0.2
Kjeldahl nitrogen	Total	mg/l	2014	1.3	5	0.4
Kjeldahl nitrogen	Total	mg/l	2013	1.275	2.5	0.3
Kjeldahl nitrogen	Total	mg/l	2012	1.0833	2.2	0.2
Kjeldahl nitrogen	Total	mg/l	2011	0.8333	1.1	0.6
Kjeldahl nitrogen	Total	mg/l	2010	0.7583	2	0.4

Source: Iowa DNR Web <https://programs.iowadnr.gov/aquia/sites/10850002>



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 7**

11201 Renner Boulevard
Lenexa, Kansas 66219

Mr. William Gahan
President – Midwest Division
Martin Marietta-Ames Mines
831 East Riverside Road
Ames, Iowa 50010

Dear Mr. Gahan:

We have reviewed the information that you have provided regarding Martin Marietta – Ames Mines emplacement of wash water generated during the washing of crushed limestone aggregates at the site into the mined out portions of the underground operations at the Martin Marietta – Ames Mine at 831 East Riverside Road, Ames, IA 50010. The emplacement of this material into the subsurface is regulated by the Underground Injection Control Program as a Class V Industrial Disposal injection well. Injection wells in this classification are allowed to operate either as rule authorized, or under conditions of a permit. The decision to permit these operations is based on the following criteria: whether the injectate could cause a violation of the Primary Drinking Water Regulations under 40 CFR § 141 or otherwise adversely affect the health of humans; the duration of the project; frequency of injection; and the volume of fluids to be injected. To ensure the protection of underground sources of drinking water, the U.S. Environmental Protection Agency, Region 7 requires authorization to be obtained from the EPA for all injection wells by the authorities granted the Administrator under 40 CFR § 144.25(a)(3).

Based on the information that has been provided, the use of wells to inject/emplace the wash water into the mined out portions of the underground operations to allow for settling of fines and particulate matter from the washing process before reuse in the washing process should not result in an adverse impact to any underground sources of drinking water or otherwise adversely affect the health of humans. Therefore, the EPA has determined that the injection of these materials at the site will be allowed to operate as rule authorized under 40 CFR § 144.24 without the need for permitting. The industrial disposal wells will be covered under an EPA UIC facility ID number of IAS169130001. However, the following conditions must be met in order for rule authorization of the mine backfill operations to remain in place:

- Only fluid generated during the washing of crushed limestone aggregates at Martin Marietta – Ames Mine is approved to be injected. If Martin Marietta – Ames Mine plans to alter the sources or materials to be injected, they must first seek approval from the EPA before doing so.
- If alterations to the wash process are made which would change the chemical composition of the



material injected, the EPA should be consulted prior to changes to ensure the appropriate monitoring will be occurring and that injected material will not cause a violation of the Primary Drinking Water Regulations under 40 CFR 141 or otherwise adversely affect the health of humans.

- While the EPA does not anticipate an impact from the injection operations to any underground source of drinking water or an adverse effect to the health of humans consuming groundwater produced at or in proximity to the backfill operations, there might be some concerns from adjacent property owners that this has been occurring. Therefore, the EPA is requiring that Martin Marietta – Ames Mine monitors injected materials on a bi-annual basis to ensure no contaminants of concern are introduced into the subsurface. A representative sample from each slurry drop should be analyzed for: Total Extractable Hydrocarbons, TEH as gasoline, TEH as #2 diesel fuel and TEH as waste oil. Sampling procedures used during prior sampling events should be followed to avoid cross contamination of samples. These results should be submitted to the EPA with the required annual report described below. Future sampling requirements may be adjusted at a later date based on the results of this testing.
- Martin Marietta – Ames Mine will need to notify the EPA as new wash water injection locations are constructed and begin injection. This will allow the EPA to ensure testing requirements established in this rule authorization do not need to be altered.

By the authorities granted under 40 CFR § 144.27, we are also requesting an annual report summarizing the operations which should include the results of all testing performed on the wash water. This report shall be submitted to the Director no later than January 31 of each year at the following address:

U.S. Environmental Protection Agency - Region 7
Attention: Iowa UIC Program Director
Water Division
Groundwater and Drinking Water Branch
11201 Renner Boulevard
Lenexa, Kansas 66219

All correspondence should reference the UIC facility ID number, site name, address, and the Iowa Department of Natural Resources registration number (if applicable).

The authorization by rule for these operations automatically terminates for any failure to comply with the above requirements or if the Agency learns of or suspects that the mine backfill operations have adversely impacted an underground source of drinking water or otherwise adversely affected the health of humans.

Though the EPA has determined that this activity will not require an EPA issued UIC permit, this does not preclude the need to obtain any additional authorizations required by the State of Iowa. Therefore, the injection wells at the facility **MAY NOT** go into operation until you have received all necessary approvals.

In closing, I wanted to remind you that any injection of materials into the subsurface in Iowa that is done without prior approval from the EPA is considered to be an unauthorized injection and is subject to up to \$10,000 per day per violation in penalties. While the EPA is not pursuing a formal enforcement action at this time, please note that the Agency reserves its authorities to pursue enforcement for this or future

violations. Please note that the EPA needs to be made aware of any additional mine backfill projects or other projects which Martin Marietta – Ames Mine is either currently or will be conducting in Iowa which involve the use of injection wells at least 30 days before commencing operation so that a determination can be made if permitting is necessary. Note that the emplacement of mine backfill materials by trucking them into the mine workings would not be considered injection and therefore would not be covered by the UIC program but may still require approval from the IDNR.

Please feel free to contact Kurt Hildebrandt (913-551-7413) or Ben Meissner (913-551-7992), of my UIC staff, if you should have any questions on this decision and its requirements or any other UIC related issues.

Sincerely,

Mary Tietjen Mindrup
Chief
Ground Water and Drinking Water Branch

cc: Chad Stobbe, IDNR



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 7**

11201 Renner Boulevard
Lenexa, Kansas 66219

Mr. William Gahan
President – Midwest Division
Martin Marietta-Ames Mines
831 East Riverside Road
Ames, Iowa 50010

Dear Mr. Gahan:

We have reviewed the information that you have provided regarding Martin Marietta – Ames Mine’s use of a stormwater well used to emplace stormwater collected on-site into the subsurface to assist with stormwater management by allowing for the settling of suspended solids directly in the mine prior to discharge to surface waters under a National Pollutant Discharge Elimination System permit at the Martin Marietta – Ames Mine at 831 East Riverside Road, Ames, IA 50010. The emplacement of this material into the subsurface is regulated by the Underground Injection Control Program as a Class V stormwater injection well. Injection wells in this classification are allowed to operate either as rule authorized, or under conditions of a permit. The decision to permit these operations is based on the following criteria: whether the injectate could cause a violation of the Primary Drinking Water Regulations under 40 CFR § 141 or otherwise adversely affect the health of humans; the duration of the project; frequency of injection; and the volume of fluids to be injected. To ensure the protection of underground sources of drinking water, the U.S. Environmental Protection Agency, Region 7 requires authorization to be obtained from the EPA for all injection wells by the authorities granted the Administrator under 40 CFR § 144.25(a)(3).

Based on the information that has been provided, the use of this well to inject/emplace stormwater into mined out portions of the underground mine to allow for the settling of suspended solids prior to discharge to surface waters under a NPDES permit should not result in an adverse impact to any underground sources of drinking water or otherwise adversely affect the health of humans. Therefore, the EPA has determined that the injection of stormwater at the site will be allowed to operate as rule authorized under 40 CFR § 144.24 without the need for permitting. The stormwater wells will be covered under an EPA UIC facility ID number of IAS169020001. However, the following conditions must be met in order for rule authorization of the mine backfill operations to remain in place:

- Only stormwater generated during rain events at Martin Marietta – Ames Mine is approved to be injected.



- Martin Marietta – Ames Mine should take all necessary steps to ensure any surface spills which may contribute to contamination of the subsurface shall be remediated and/or prevented from entering the stormwater well.
- If surfacing occurs during the emplacement of backfill materials, injection into the well is to be halted and adjustments made to prevent additional surfacing from occurring. Any materials which have surfaced will need to be contained and not allowed to migrate off-site.
- While the EPA does not anticipate an impact from the stormwater well to any underground source of drinking water or an adverse effect to the health of humans consuming groundwater produced at or in proximity to the backfill operations, there might be some concerns from adjacent property owners that this has been occurring. Therefore, the EPA is requiring that Martin Marietta – Ames Mine monitor injected materials on a bi-annual basis to ensure no contaminants of concern are introduced into the subsurface when there is flow down the stormwater well. A representative sample from the stormwater well should be analyzed for: Total Extractable Hydrocarbons, TEH as gasoline, TEH as #2 diesel fuel and TEH as waste oil. Sampling procedures used during prior sampling events should be followed to avoid cross contamination of samples. These results should be submitted to the EPA with the required annual report described below. Future sampling results may be adjusted at a later date based on the results of this testing.

By the authorities granted under 40 CFR § 144.27, we are also requesting an annual report summarizing the operations which includes: the results of all testing performed on the stormwater entering the well and a summary of any spills and Martin Marietta – Ames Mine’s response. This report shall be submitted to the Director no later than January 31 of each year at the following address:

U.S. Environmental Protection Agency - Region 7
Attention: Iowa UIC Program Director
Water Division
Groundwater and Drinking Water Branch
11201 Renner Boulevard
Lenexa, Kansas 66219

All correspondence should reference the UIC facility ID number, site name, address, and the Iowa Department of Natural Resources registration number (if applicable).

The authorization by rule for these operations automatically terminates for any failure to comply with the above requirements or if the Agency learns of or suspects that the mine backfill operations have adversely impacted an underground source of drinking water or otherwise adversely affected the health of humans.

Though the EPA has determined that this activity will not require an EPA issued UIC permit, this does not preclude the need to obtain any additional authorizations required by the State of Iowa. Therefore, the injection wells at the facility **MAY NOT** go into operation until you have received all necessary approvals.

In closing, I wanted to remind you that any injection of materials into the subsurface in Iowa that is done without prior approval from the EPA is considered to be an unauthorized injection and is subject to up to \$10,000 per day per violation in penalties. While the EPA is not pursuing a formal enforcement action at

this time, please note that the Agency reserves its authorities to pursue enforcement for this or future violations. Please note that the EPA needs to be made aware of any additional mine backfill projects or other projects which Martin Marietta – Ames Mine is either currently or will be conducting in Iowa which involve the use of injection wells at least 30 days before commencing operation so that a determination can be made if permitting is necessary. Note that the emplacement of mine backfill materials by trucking them into the mine workings would not be considered injection and therefore would not be covered by the UIC program but may still require approval from the IDNR.

Please feel free to contact Kurt Hildebrandt (913-551-7413) or Ben Meissner (913-551-7992), of my UIC staff, if you should have any questions on this decision and its requirements or any other UIC related issues.

Sincerely,

Mary Tietjen Mindrup
Chief
Ground Water and Drinking Water Branch

cc: Chad Stobbe, IDNR

Amelia Q. Schoeneman

From: Neil Grant <Neil.Grant@martinmarietta.com>
Sent: Monday, April 6, 2020 10:50 AM
To: Amelia Q. Schoeneman
Cc: James Marek (Jim)
Subject: FW: Martin Marietta - Ames Mine Rule Authorizations, Ames, Iowa - UIC Facility IDs: IAS169020001 & IAS169130001

[External Sender - Please Use Caution]

Amelia, Iowa DNR has reviewed our proposal and confirmed that EPA has primacy on the matter and no further permission is required from Iowa DNR. The email chain below memorializes this, so please place a copy of this in our file. I have highlighted the applicable determinations below for ease of your reference. Please let me know if you have any questions or need any additional information. Thank you! -Neil

From: James Marek (Jim)
Sent: Monday, April 6, 2020 10:33 AM
To: Neil Grant
Subject: Fwd: Martin Marietta - Ames Mine Rule Authorizations, Ames, Iowa - UIC Facility IDs: IAS169020001 & IAS169130001

Neil,
See email chain. Ultimately it made it to Mike Anderson who approved our and EPAs authorization with no further requirements by the IDNR.
Jim

Sent from my iPhone

Begin forwarded message:

From: "Moeller, Mark" <mark.moeller@dnr.iowa.gov>
Date: April 6, 2020 at 9:27:09 AM CDT
To: "Anderson, Michael" <michael.anderson@dnr.iowa.gov>
Cc: "Williams, Deb" <deborah.williams@dnr.iowa.gov>, "James Marek (Jim)" <James.Marek@martinmarietta.com>, Russell Tell <Russell.Tell@dnr.iowa.gov>, Wendy Hieb <wendy.hieb@dnr.iowa.gov>, Chad Stobbe <chad.stobbe@dnr.iowa.gov>
Subject: Re: FW: Martin Marietta - Ames Mine Rule Authorizations, Ames, Iowa - UIC Facility IDs: IAS169020001 & IAS169130001

EXTERNAL EMAIL

I concur.



Mark Moeller, P.E. | Water Supply Engineering Supervisor
Iowa Department of Natural Resources
P 515-725-0275 | F 515-725-8201 | 502 E 9th St, Des Moines IA 50319
www.iowadnr.gov



On Mon, Apr 6, 2020 at 9:05 AM Anderson, Michael <michael.anderson@dnr.iowa.gov> wrote:

Iowa DNR Water Supply Engineering has examined the attached proposal (e.g., One rule authorization for the disposal of wash water during the limestone aggregate washing process and the other for the stormwater well located on the facility at Ames Mine); **we are fine with the project/s as proposed; no further permission from our end is necessary.**



Michael K. Anderson, P.E. | Senior Environmental Engineer
Iowa Department of Natural Resources
P 515-725-0336 | F 515-725-8202 | 502 E. 9th St., Des Moines, IA 50319
www.iowadnr.gov

On Mon, Apr 6, 2020 at 9:00 AM Williams, Deb <deborah.williams@dnr.iowa.gov> wrote:

I believe James Mereck, Martin Marietta is looking for a response from IDNR Water Supply - Water Use noting his comment on Friday April 3.

Thanks all,



Deborah R. Williams | Geologist III
Iowa Department of Natural Resources
502 E. 9th St., Des Moines, IA 50319
Water Supply Engineering - Private Well
P 515-725-0290 | F 515-725-0348

On Mon, Apr 6, 2020 at 8:32 AM Moeller, Mark <mark.moeller@dnr.iowa.gov> wrote:

Deb,

Is this a question for me? I'm not clear on what you're looking for. EPA has primacy for the injection to protect the groundwater, so they handle that. So we'd just handle the construction permitting and water allocation as in quantity. EPA has primacy to protect the groundwater quality.

Mike, isn't this how we've handled in the past?

Thanks,



Mark Moeller, P.E. | Water Supply Engineering Supervisor

Iowa Department of Natural Resources

P 515-725-0275 | F 515-725-8201 | 502 E 9th St, Des Moines IA 50319

www.iowadnr.gov



On Fri, Apr 3, 2020 at 11:14 AM Williams, Deb <deborah.williams@dnr.iowa.gov> wrote:

Good morning Mark,

Forwarding on to you and others in case they have seen this come across your desk.

We have a protocol permitting for the construction of any industrial well through the Private Well Program and the use or diversion of via the Water Use Program then after approval and EPA has primacy and approval of the injection. For example, in the case of pump and reinjection wells the Water Use permit has a stipulation to comply with groundwater protection so as to not change the water chemistry.

567—38.12(455B) Denial of a permit. The department or contracting county may deny a private well construction permit if granting the permit would lead to the violation of state law, could result in groundwater contamination, would lead to withdrawal from a protected source, or the well could threaten public health or the environment. Examples of wells that could threaten public health or the environment and, therefore, may be denied construction permits include, but are not limited to: in situ mining wells, wells which may result in a negative impact on an identified point source of groundwater contamination and cause leachate plume to spread or migrate, underground injection wells except as provided in 567 —subrule 50.6(4) and 567—62.9(455B).

At a minimum we need to have a registry of the injection well locations.

Appreciate your thoughts. (Sorry for the delay...my internet currently is mediocre as best)



Deborah R. Williams | Geologist III
 Iowa Department of Natural Resources
 502 E. 9th St., Des Moines, IA 50319
 Water Supply Engineering - Private Well
 P 515-725-0290 | F 515-725-0348

On Fri, Apr 3, 2020 at 9:19 AM Stobbe, Chad <chad.stobbe@dnr.iowa.gov> wrote:

Deb - Is this something that you can respond to? If it is protocol to notify the DNR, it hasn't been to the SW Section. Thanks

Chad A. Stobbe | Environmental Specialist Senior



Iowa Department of Natural Resources
 502 East 9th Street, Des Moines, IA 50319
 P 515-725-8351 | F 515-725-8202



www.iowadnr.gov



----- Forwarded message -----

From: **James Marek (Jim)** <James.Marek@martinmarietta.com>

Date: Fri, Apr 3, 2020 at 9:07 AM

Subject: FW: Martin Marietta - Ames Mine Rule Authorizations, Ames, Iowa - UIC Facility IDs: IAS169020001 & IAS169130001

To: chad.stobbe@dnr.iowa.gov <chad.stobbe@dnr.iowa.gov>

Chad,

Can you please provide an email regarding any requirements the Iowa DNR might have for these authorizations? My understanding is that there aren't any Iowa DNR requirements, and it's simply protocol to copy the Iowa DNR to keep the state informed. Your attention to this request is appreciated.

Sincerely,

James Marek, CPG
Senior Environmental Engineer
Martin Marietta – Alden District
11252 Aurora Ave
Des Moines, IA 50322
t (515) 697-3428 m (515) 205-0101
email: james.marek@martinmarietta.com
www.martinmarietta.com



From: Meissner, Benjamin <Meissner.Benjamin@epa.gov>
Sent: Thursday, April 2, 2020 10:01 AM
To: James Marek (Jim) <James.Marek@martinmarietta.com>
Cc: Neil Grant <Neil.Grant@martinmarietta.com>; chad.stobbe@dnr.iowa.gov; ASchoeneman@storycountyiowa.gov; Mindrup, Mary <Mindrup.Mary@epa.gov>; Hildebrandt, Kurt <Hildebrandt.Kurt@epa.gov>
Subject: Martin Marietta - Ames Mine Rule Authorizations, Ames, Iowa - UIC Facility IDs: IAS169020001 & IAS169130001

EXTERNAL EMAIL

Mr. Marek,

Thank you for submitting information regarding your Class V wells located at the Martin Marietta – Ames Mine facility in Ames, IA. We have reviewed the information you submitted as well as the additional sampling results and have issued Martin Marietta – Ames Mine two rule authorizations. One for the disposal of wash water during the limestone aggregate washing process and the other for the stormwater well located on the facility. I have attached electronic copies of both rule authorizations to this e-mail for your records and review. If you have any questions regarding the rule authorizations or the requirements established within please feel free to contact myself or Kurt Hildebrandt.

Thanks,

Ben Meissner
EPA Region 7: Water Division
Groundwater & Drinking Water Branch
Phone (913) 551-7992
Fax: (913) 551-9992

From: James Marek (Jim) <James.Marek@martinmarietta.com>
Sent: Thursday, February 20, 2020 3:58 PM
To: Hildebrandt, Kurt <Hildebrandt.Kurt@epa.gov>
Cc: Neil Grant <Neil.Grant@martinmarietta.com>
Subject: RE: Ames Mine UIC Applicability

Kurt,

I talked to Ben in your absence and was able to get my questions on the submittal (attached) answered. I am also putting a hard copy in the mail to you. We look forward to your review and reply.

Hope you had a good week off!

Sincerely,

James Marek, CPG
Senior Environmental Engineer
Martin Marietta – Alden District
11252 Aurora Ave
Des Moines, IA 50322
t (515) 697-3428 m (515) 205-0101
email: james.marek@martinmarietta.com
www.martinmarietta.com



From: Hildebrandt, Kurt <Hildebrandt.Kurt@epa.gov>
Sent: Thursday, February 20, 2020 11:22 AM
To: James Marek (Jim) <James.Marek@martinmarietta.com>
Subject: Automatic reply: Ames Mine Slurry Drop

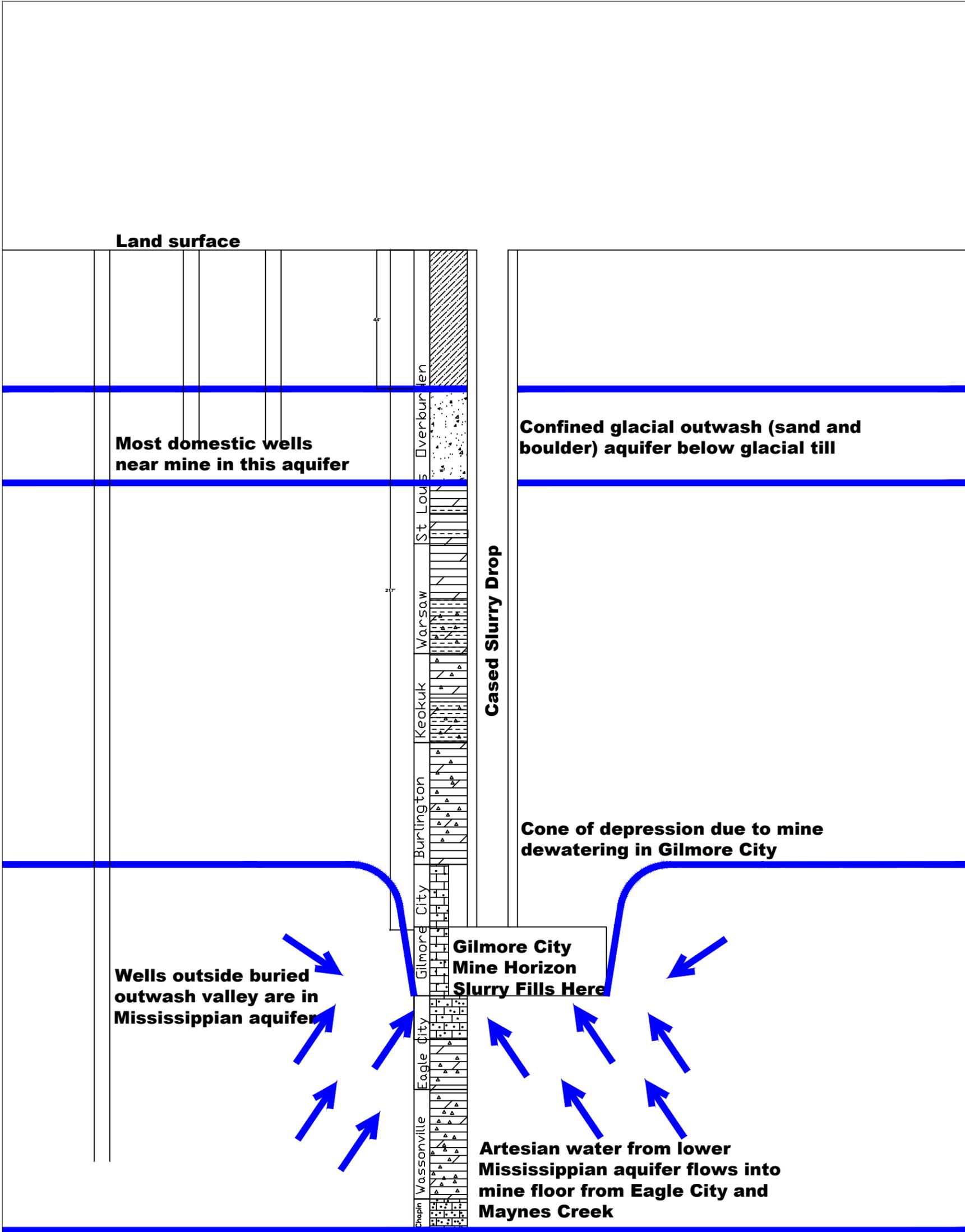
EXTERNAL EMAIL

I'm going to be out of the office starting on Monday, February 17th and returning to the office on Monday, February 24th. I will not have access to either voice or email during that time. Also note that the EPA offices will be closed on the 17th of this month due to the President's Day Holiday.

If you have a UIC related issue that needs attention before I return to the office, please contact Ben Meissner (meissner.benjamin@epa.gov or 913-551-7992) Otherwise, I'll get back to you as soon as possible when I return to the office on the 24th.

Thanks,

Kurt



Drawing not to scale

Martin Marietta Ames Mine

Conditional Use Permit Modification (CUP 02-90)

- **Proposed use of off-site building for storage of a mine rescue equipment trailer**
- **Proposed addition of four (4) slurry drops, including temporary road to each**

Martin Marietta respectfully requests approval to store a mine rescue equipment trailer in an existing agricultural machine shed located near (but technically off-site) from Martin Marietta's Ames Mine. The existing machine shed is located on an old farmstead east of North Dayton Avenue and south of East Riverside Road. Martin Marietta is required by Federal law to equip and staff a mine rescue team capable of serving each of our underground mines. Ames Mine is our largest underground mine in Iowa which is why we have chosen to locate this rescue equipment in close proximity to Ames Mine. Traffic at the rescue shed is expected to be minimal. Typical activity will include periodic visits (once or twice a month) by rescue team members to inspect/maintain the equipment and to retrieve it for training or in the event of an emergency.

Additionally, we recycle our "process" water (water used to wash the crushed rock) at Ames Mine, which includes pumping "slurry" (water with suspended limestone fines) into holding ponds underground (in previously mined out areas) to settle out the solids and clarify the water for re-use. We have been using the mined-out area (underground) located north of the plant site for many years for this purpose. This area is now filled up to the point that we can no longer pump the slurry there underground, so we respectfully request permission to drill four (4) holes (sequentially from north to south) from the surface to the Gilmore City mine horizon (approximately 180 feet below ground) and lay a 16" black plastic pipe across the ground (temporarily) to connect the wash plant to each drill hole (one at a time) to drop the slurry into the mine from above (to complete the backfill in each area).

Each slurry drop hole is expected to be in use for 1 to 2 years (until the mine below it is full). The proposed pipe locations follow existing dirt paths where possible. While in use, the access path to each slurry drop will be covered with crushed rock to provide better accessibility in all weather conditions. The only traffic anticipated on the access path is a daily visual inspection of the pipe, and occasionally a service truck (if any maintenance is needed).

As each slurry drop is taken out of service it will be sealed with grout and the access path segment leading to it will be removed and the ground surface revegetated.

There are no known easements in the proposed slurry drop locations and "One Call" will be notified prior to drilling the drops (as required by law) to confirm there are no underground utilities in each proposed drop location.

Standards for Approval:

A. Compatibility. The subject properties are zoned Heavy Industrial (HI), Agricultural (A-1), and Greenbelt Conservation (GB-C) and the slurry drop sites and mine rescue shed will be compatible with the character of the zoning districts and immediate vicinity.

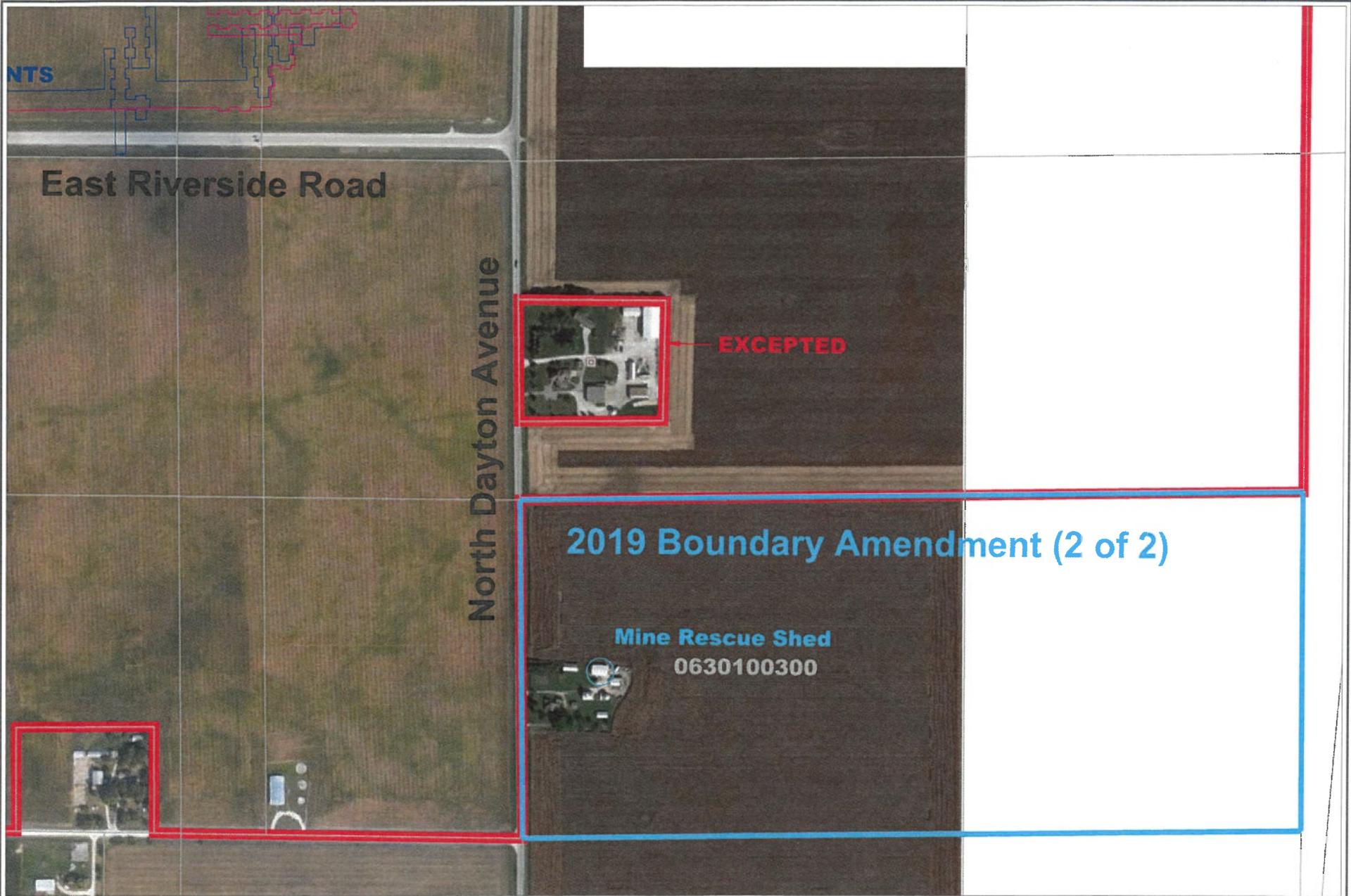
B. Transition. Significant setbacks and existing vegetation provide a suitable transition and buffer between the existing mining site and surrounding properties.

C. Traffic. The existing mine site has access via North Dayton Avenue and East Riverside Road. No change in access is proposed with regard to the current request. The existing site access is sufficient with regard to pedestrian safety, traffic flow and control, and emergency access and no additional access is necessary.

D. Parking and Loading. Adequate off-street park has been provided and the layout of the parking has been designed to reduce impacts.

E. Signs and Lighting. All signage shall conform to applicable regulations. Exterior lighting shall comply with the requirements of Section 88.09, Site Lighting.

F. Environmental Protection. No environmental impacts are anticipated from this proposal.



250 0 250 500 750

Scale 1" = 500 ft.



11252 AURORA AVENUE
DES MOINES, IOWA 50322
(515)254-0030

DRAWING FILE NAME:

JA

DRAWN BY:

NCG

DATE:

12/2/2019

COUNTY:

Story

STATE:

IA

QUARRY: Ames Mines

IMAGE FILE NAME:

IA

CHECK BY:

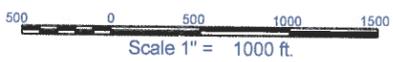
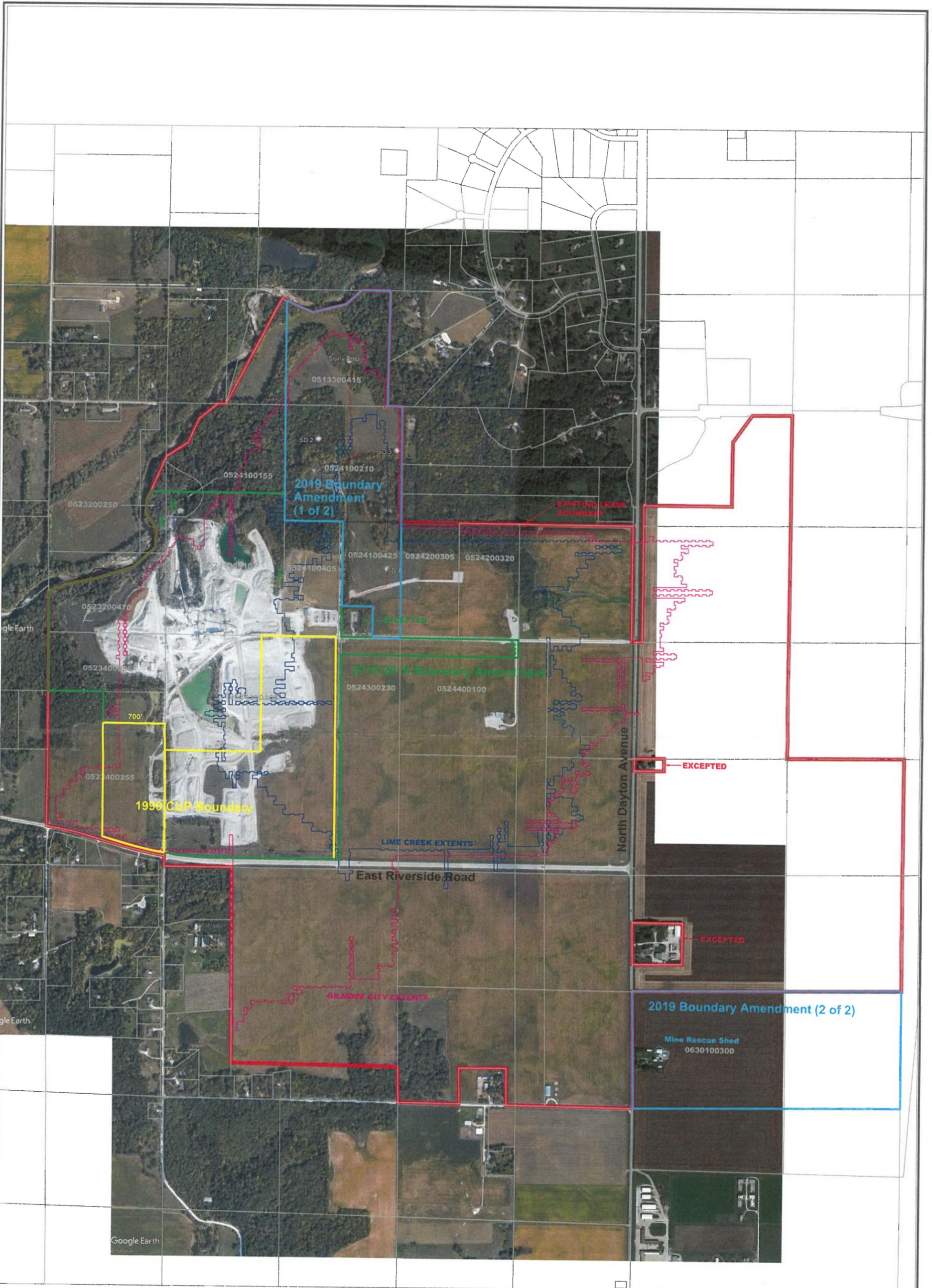
SCALE:

1" = 500'

PHOTO DATE:

2017

DRAWING NAME: Rescue Shed location



11252 AURORA AVENUE
DES MOINES, IOWA 50322
(515)254-0030

DRAWING FILE NAME:

JA

DRAWN BY:

NCG

DATE:

12/2/2019

COUNTY:

Story

STATE:

IA

QUARRY: Ames Mine

IMAGE FILE NAME:

EA

CHECK BY:

NCG

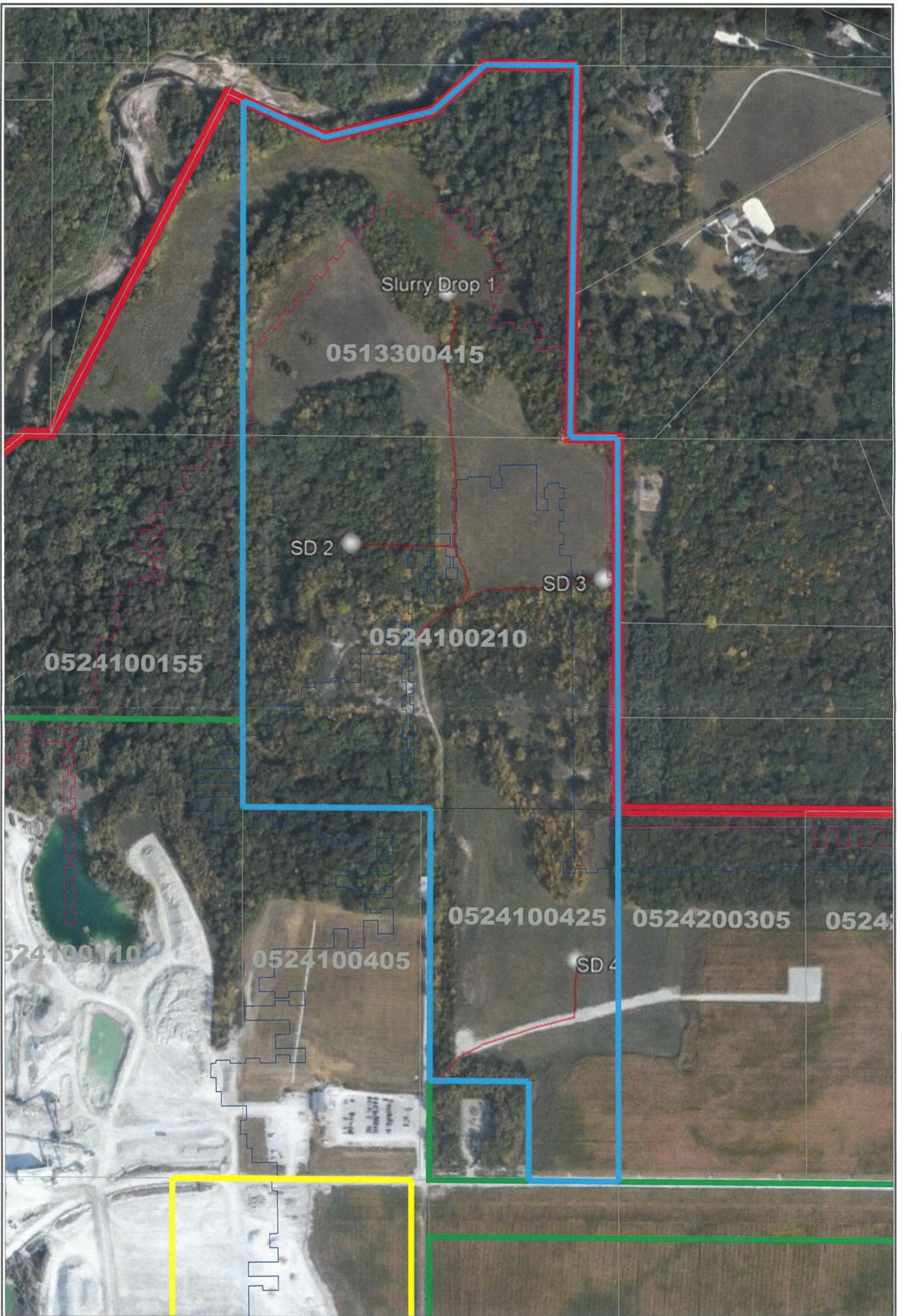
SCALE:

1" = 1000'

PHOTO DATE:

2017

DRAWING NAME: CUP Amendment



150 0 150 300 450
Scale 1" = 300 ft.



11252 AURORA AVENUE
DES MOINES, IOWA 50322
(515)254-0030

DRAWING FILE NAME: JA	DRAWN BY: NCG	DATE: 12/2/2019	COUNTY: Story	STATE: IA	QUARRY: Ames Mine
IMAGE FILE NAME: IA	CHECK BY:	SCALE: 1" = 300'	PHOTO DATE: 2017		DRAWING NAME: Slurry Drop locations

Staff Report

Story County Board of Adjustment

Date of Meeting:
December 18, 2019

Case Number CUP02-90.6

Request to modify Marin Marietta Ames Mine's conditional use permit 02-90 to permit four new slurry drops and off-site storage of rescue equipment/trailer

APPLICANT: Neil Grant on behalf of Martin Marietta
11252 Aurora Avenue, Des Moines
50322

STAFF PROJECT MANAGER: Amelia Schoeneman, Planner

SUMMARY: This request is for a conditional use permit modification for the off-site storage of rescue equipment/trailer for the mine in an existing 40' x 60' steel utility building located at 3210 N Dayton Avenue, Parcel 06-30-100-300, and the addition of four slurry drops at the Ames Martin Marietta Mine, 831 Riverside Road, on Parcels 05-13-300-415, 05-24-100-210, and 05-24-100-425. An off-site location is preferable for the rescue trailer and equipment to ensure accessibility during an emergency. The slurry is proposed to be pumped through a 16" above-ground black plastic pipe to the drops (drilled holes) into previously mined out areas underground. Currently, the piping occurs underground but the mine has become too full and above-ground piping is need to complete the backfill of the mine with slurry. After the solids settle from the slurry, the water is reused. Martin Marietta anticipates using the drops for the next one to two years until the mine under the drops is full. A driveway to the drop locations has already been constructed. When the underground areas are full, the drops will be plugged and drives removed. The proposed uses will not generate traffic above periodic daily checks of the pipe and monthly training and maintenance of the rescue equipment/trailer. The mine processing/surface area is not proposed to change beyond the additional slurry drops and driveway. Planning and Development staff recommend approval of the conditional use permit with conditions.





Property Information

PROPERTY OWNER

Bishop Farms, LLC and E.I. Sargent & Associates, LLC
Manager David Bishop
10823 Elmcrest Drive
Clive, Iowa 50325

GENERAL PROPERTY LOCATION

Section: 13 Township: 84 Range: 24 SE $\frac{1}{4}$ SW $\frac{1}{4}$
Section: 24 Township: 84 Range: 24 NE $\frac{1}{4}$ NW $\frac{1}{4}$
Section: 24 Township: 84 Range: 24 SE $\frac{1}{4}$ NW $\frac{1}{4}$
Section: 30 Township: 84 Range: 23 SW $\frac{1}{4}$ NW $\frac{1}{4}$

PARCEL IDENTIFICATION NUMBER(S)

05-13-300-415
05-24-100-210
05-24-100-425
06-30-100-300

CURRENT ZONING

A-1 Agricultural and GB-C Greenbelt Conservation

LAND USE FRAMEWORK MAP DESIGNATION

Natural Area and Agriculture/Subsurface Mining

CITIES WITHIN TWO MILES

Ames

Background

The Martin Marietta Ames Mine produces construction aggregate—a crushed limestone rock used for building material. The building materials created from this product include concrete, asphalt, road, and base stone as well as rip rap, manufactured sand, and agricultural lime. The Ames Mine products are used mainly for construction in central and western Iowa. State and local governments like the Iowa Department of Transportation, construction companies, excavation contractors, and farmers purchase the products. The mine has approximately 100 employees and shifts run 24 hours a day, seven days a week (excluding major holidays).

Mining operations began at the site in the early 1950s, prior to the adoption of the Story County Land Development Regulations. In 1959, the Ray Cook Construction Company, Inc. obtained a Special Use Permit to operate an above-ground quarry in the SW quarter of 24-84-24. E.I. Sargent Quarries purchased Cook Quarry in 1975 and opened an underground mine on the site in 1976. They operated both the above-ground quarry and underground mine until 1982 when Martin Marietta purchased the site's assets and entered into a lease with E.I. Sargent. The mineral rights, as well as some of the surface



rights, are owned by the Sargent Lease Royalty Trust. Bishop Farms owns the majority of the surface rights to the site.

In 1990, the Story County Board of Adjustment issued a Conditional Use Permit to approve a scale house/office facility, a fresh air shaft, and expand the mine's stockpile area (Case No. CUP02-90). The board attached five conditions to the approval:

1. The applicant shall complete the development in strict accordance with the approved applications and plans, a copy of which is filed in the planning and zoning office.
2. The height of the materials in the stockpiles area shall not exceed 30 feet.
3. Upon installation of the exhaust fan at the air shaft, noise contours shall be generated at the following distances: 10 feet, 20 feet, 40 feet, 80 feet, 160 feet, 320 feet, 640 feet, and 1280 feet. Results shall be certified and submitted to the Planning and Zoning Administrator. Actual readings in excess of +10% from those shown on the revised development plan shall be cause for review by the Board of Adjustment of methods and materials used for buffering the fan noise.
4. Martin Marietta Aggregates, Inc. shall be responsible for the repair of any damage caused by their actions to the drain tile that comes from the east.
5. All landscaping shall be completed within three years from issuance of Conditional Use Permit 02-90.

All minor modifications since approved on Conditional Use Permit 02-90 have included conditions 2-5. Most recently, in 2016, Martin Marietta applied for a minor medication (CUP02-90.4) to construct a new employee building, parking lot, and a new location for an ANFO drop. A single, comprehensive Conditional Use Permit boundary to encompass the ANFO drop, proposed employee building and parking area, past Conditional Use Permit modifications and legal, non-conforming uses was also proposed. To address the concerns of neighboring property owners, Martin Marietta agreed to narrow the scope of the proposed boundary on the parcels where the ANFO drop and ANFO drop drive were proposed to be located instead of including the entirety of the properties in the boundary. The Board of Adjustment approved the modification with conditions. Martin Marietta has completed the construction of the employee building and met all conditions, including planting additional trees, working with the farmer of the land to create better vision clearance at North Dayton Avenue and East Riverside Road, planting an acre of prairie, and seal coating the drive to the employee building. In 2018, an insignificant medication (CUP02-90.5) was granted to move the ANFO drop to the north of the employee building and remove the CUP boundary from the area where the ANFO drop had been proposed to be located to the east of the employee building. Figure 1 is a map of the existing CUP boundary and the properties proposed to be added as part of the current request.

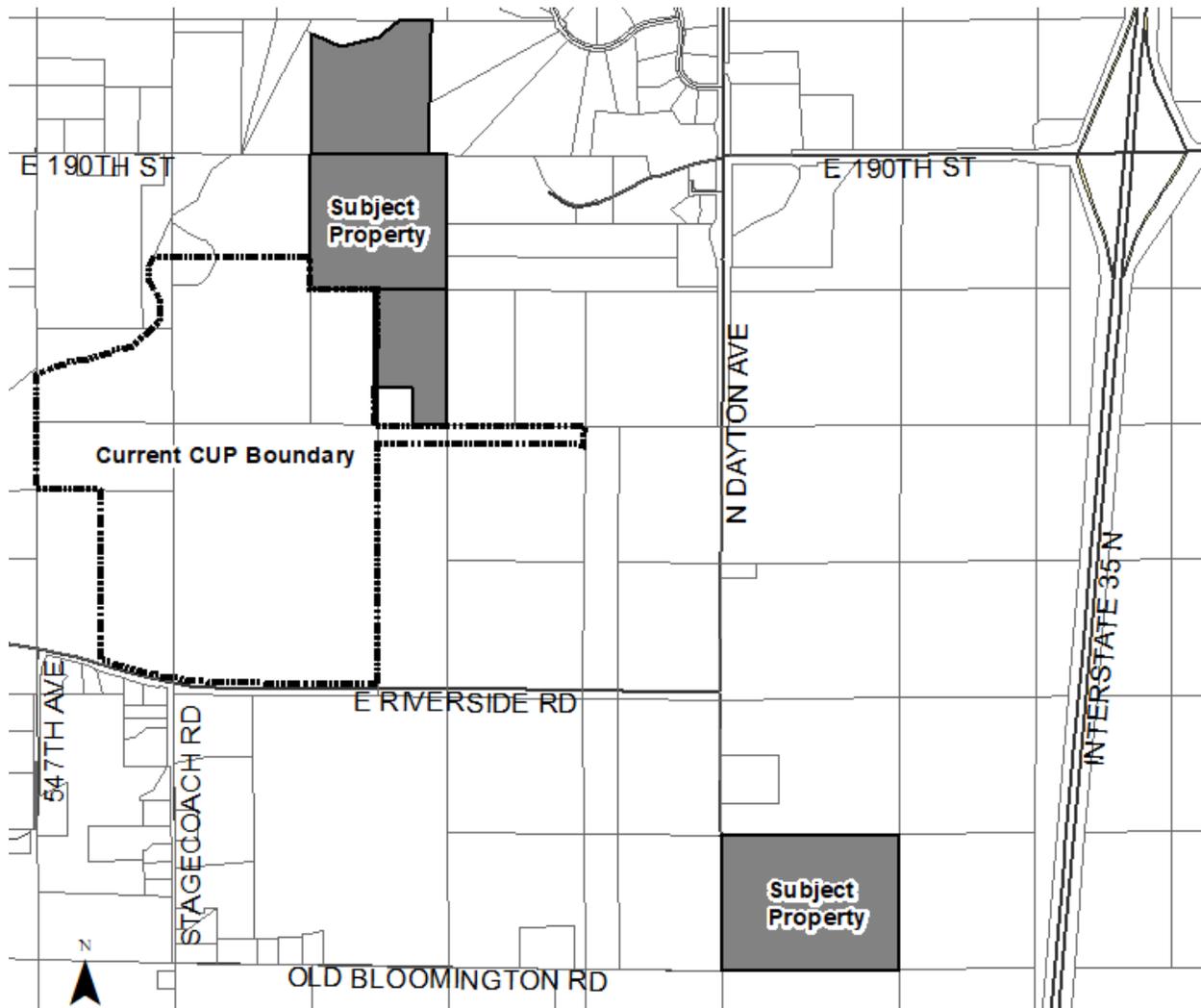


Figure 1: Current CUP Boundary and Subject Properties Proposed to be Added

Current and Proposed Land Use

Slurry Drops

Martin Marietta recycles its process water used at the wash plant by pumping the slurry from the washed rock into mined-out areas where it settles. While there is an existing pump at the wash plant for this purpose, presently the gravity flow is sufficient to move the slurry. No new pumps are proposed. The slurry consists of the wash water and limestone fines, a waste by-product from limestone mining. This process also provides a storage solution for the fines. After the slurry settles, the water decants to a sump and is returned to the wash plant via an existing pump. Currently, the slurry is pumped to a pipe underground through a slurry drop at the wash plant (location shown in Figure 2). As the mined-out area is becoming full, they can no longer pipe the slurry underground. The proposed new slurry drops will allow the slurry to be piped above ground and dropped into the mine so that it can be completely filled.



The slurry is dropped into the Gilmore City level of the mine, 180 feet below the ground. As the mine is dewatered, the applicant indicates that the slurry will stay within the horizon of the mine.

The above-ground pipe that will carry the slurry to the drops is black plastic and 16" in diameter. A driveway to access the pumps already been constructed. Figure 2 is a map of the proposed slurry drop and driveway location. It is 20-feet wide, gravel, and followed existing dirt paths, where possible. The pipe is proposed to run along the driveway to the drop locations. One percent of trees and natural cover were impacted by the drive's construction—this is under Story County's threshold for mitigation requirements of 15% removal. The drive ensures that the pipe and pumps are accessible in all-weather conditions. The only traffic on the drive will be daily inspections of the pipe and drops. The slurry drops are proposed to be used for the next one to two years, at which point they would be plugged and the gravel drive removed. The ground will then be revegetated.

The Martin Marietta Ames Mine has two National Pollutant Discharge Elimination Permits through the Iowa Department of Natural Resources—one for stormwater discharge and one for process water discharge. The slurry is not discharged as is it recycled. However, good housekeeping practices to prevent a spill are proposed: the pipe will be inspected daily. The applicant indicates that "if a leak is found the pump will be shut off, the pipe repaired, and any slurry spilled will be cleaned up." There are vegetated and forested areas around the pump that the applicant indicates would act as a buffer in case of a spill.

Slurry drop 1, the northern-most drop, is proposed to be located on parcel 05-13-300-415. The drop is proposed to be located in the north-central part of the 31.53 net-acre parcel and will be approximately 350 feet from the nearest external property line to the north. The property line to the north is also the southern bank of the South Skunk River. There is floodplain on the property—no work is proposed in the floodplain area. Slurry drops 2 and 3 are proposed to be located on parcel 05-23-100-210, a 41 net-acre parcel. Slurry drop 2 is proposed to be 865 feet from the nearest external property line to the east. Slurry drop 3 is proposed to be 50 feet from the external property line to the east. Slurry drop 4 is proposed to be located on parcel 05-24-100-425. It will be 545 feet from the nearest external property to the north.

Slurry drops 2 and 3 have already been drilled. The drilling process is similar to that of a well and the finished diameter of the drops is 16".

The subject properties are zoned Greenbelt Conservation and A-1 Agricultural. Mining is permitted through a conditional use permit in both of these districts. The properties with proposed drops 1, 2, and 3 include forested areas, part of the greenbelt along the South Skunk River and previously farmed areas that were in the conservation reserve program (CRP) and are intended to be reenrolled. The parcel with proposed slurry drop 4 also includes several acres in row crops.

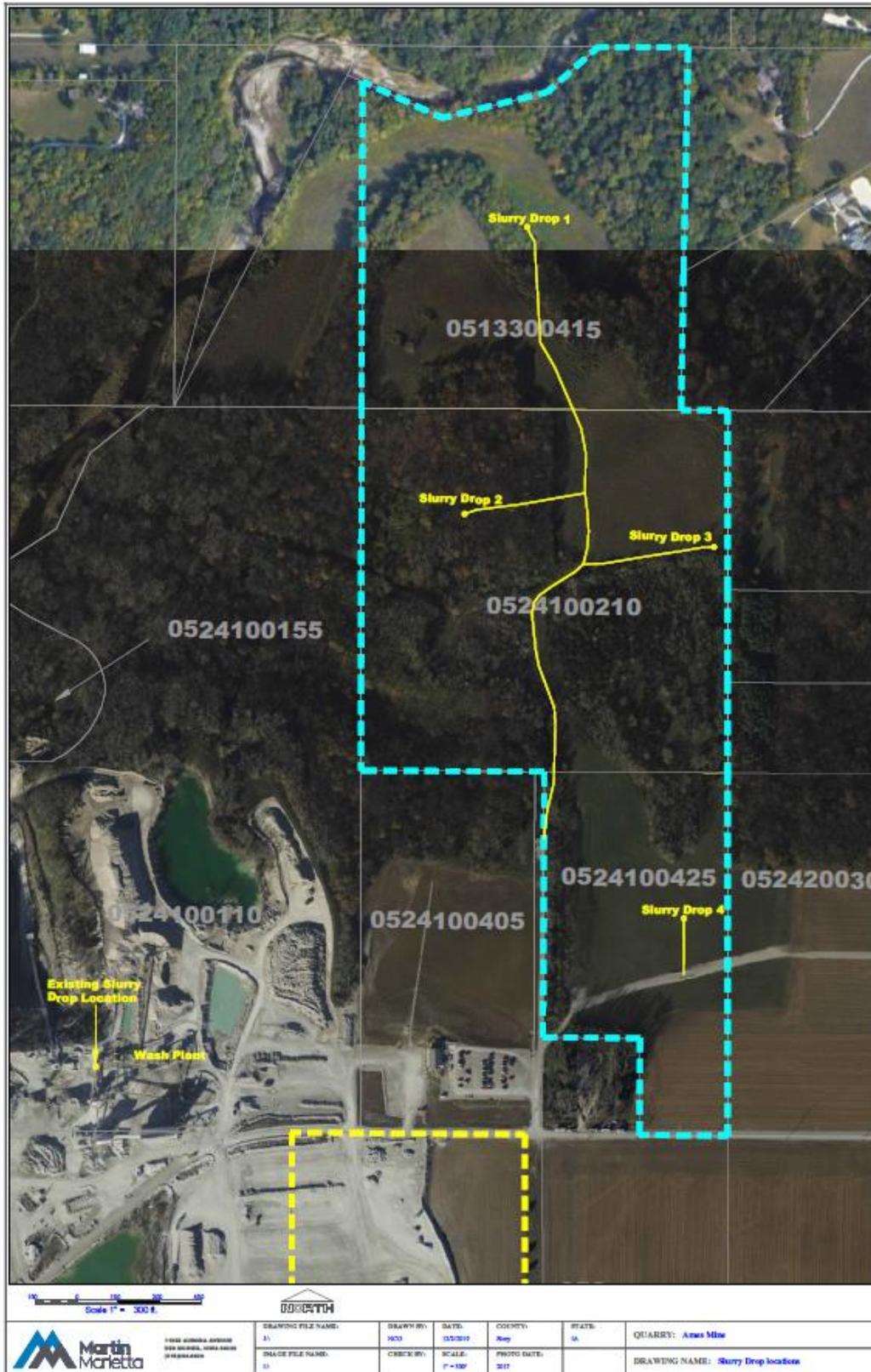


Figure 2: Proposed Slurry Drop Locations



Off-Site Rescue Equipment Storage

Story County Planning and Development staff became aware of the use of a 40' x 60' steel utility building on parcel 06-30-100-300, 3210 N Dayton Avenue, for storage of Martin Marietta's rescue trailer/equipment through a complaint about a snow removal and lawn care business at the property. The property includes three accessory structures—two are used by the lawn care and snow removal business, which is moving to a new location by the end of December 2019. The third, northeastern-most building is used by Martin Marietta. The parcel is 51.24 net-acres and the remainder of the property is in agricultural production.

Martin Marietta is required by Federal law to equip a rescue team to serve each of its mines in the event of an emergency. The rescue equipment/trailer serves Martin Marietta's mines in Fort Dodge, Sully, Malcom, and Durham, Iowa. It also is the back-up equipment for mines in Nebraska and Missouri. The location near the Ames Mine (approximately one-mile to the southeast of the mine's entrance) was chosen as it is Martin Marietta's largest Iowa mine and is a central location. The off-site location is also desirable for ease of access by the rescue team during an emergency—they do not have to enter the mine site to access the equipment/trailer and it would not be impacted by an incident. The rescue team may visit the site monthly or twice a month for maintenance and to access the equipment/trailer for training purposes.

The building was permitted through an agricultural exemption in 2005. If the conditional use permit is approved, a zoning permit for the structure will be required to be submitted since it is no longer for agricultural purposes.

Future Land Use

The properties are designated as Agriculture and Subsurface Mining in the Ames Urban Fringe Plan Future Land Use Map. The goal of this designation is to protect agricultural resources while prohibiting uses that may not be compatible with subsurface mining activities. Areas where surface mining activities occur, such as the processing plant at the Martin Marietta Ames Mines, are instead designated as General Industrial in the Ames Urban Fringe Plan.

The forested areas on the properties are also designated as Natural Areas. The policies for Natural Areas include:

NA Policy 3: Mitigate negative impacts to Natural Areas, including, but not limited to: agricultural chemical application, animal confinement and feeding, agricultural irrigation, miscellaneous agricultural activities like manure and fuel storage, outdated and non-functioning on-site wastewater systems, underground storage tanks, and nutrient-loaded urban stormwater run-off.

Surrounding Land Use

Parcels adjacent to the slurry drops include:



North

The parcels adjacent and north of drop 1 is Peterson Park, owned by Story County Conservation. In total, the adjacent parcels that are part of the park are approximately 200 acres. The drop is 350 feet from the park property. The property line is bounded by the South Skunk River. Because of the proximity to the river in this location, additional buffering measures and spill protection measures such as a berm are being investigated by the applicant for the north side of the pipe and drop.

East

Two parcels to the east of slurry drop 1 are lots in the Country Estates Subdivision. The lots are approximately 13 acres and each contains a single-family dwelling. The drop is 450 feet from these property lines and over 900 feet from the dwellings. A forested area provided a buffer between the drops and the dwellings.

There are three parcels adjacent to the east of slurry drop 3. Two are approximately 16 acres in size and contain forest. The third is approximately 17 acres and contains a single-family dwelling. While the drop is 50 feet from the property line, it is over 2,000 feet from the dwelling and is separated by a forested area. The nearest dwelling to slurry drop 3 is not on an adjacent parcel and is over 1,000 feet from the drop. Additional buffering measures and spill protection measures are being investigated by the applicant by this drop.

To the east of drop 4 is property under the ownership of Bishop Farms—the property is in row crops and there are subsurface mining activities. The dwelling on the 17 acre parcel adjacent to slurry drop 3 is also adjacent to the northeast of drop 4 and is over 2,000 feet from drop 4.

South

To the south of drop 4 are several properties owned by Bishop Farms and E.I. Sargent & Associates. These properties include areas farmed where subsurface mining activities occur. The parcels with the processing plant are also adjacent to drop 4 to the south and west and occupies approximately 130 acres.

West

To the west of drops 1, 2, and 3 are parcels owned by Bishop Farms that contain forests on the Skunk River greenbelt. The parcels provide a buffer between the drops and the river. The drop closest to the river is drop 1, which is 450 feet south of the river.

The entirety of the Country Estates Subdivision (58 dwellings) and the five dwellings located on Dayton Parkway and Dayton Ridge Road fall within one mile from the drop locations. The five dwellings located on Dayton Parkway and Dayton Ridge Road and other nearby dwellings in Country Estates are over 1,000 feet from the slurry drops. To the west, the closest dwelling is over 1,000 feet from the first drop and across the South Skunk River.

The property on which the steel utility building with the rescue equipment/trailer is located is on the east side of North Dayton Avenue, south of the intersection with East Riverside Road. Adjacent parcels are all in row crop production and range from 22 to 52 acres in size. They are all under the ownership of E.I. Sargent & Associates, with the exception of a parcel to the southeast across North Dayton Avenue,



owned by the United States of America and part of the United States Department of Agriculture property.

Analysis

1. **Applicable Regulations:** Chapter 90.04: Standards for Approval

The Board of Adjustment shall review the proposed development for conformance to the following development criteria:

1. **Compatibility.** The proposed buildings or use shall be constructed, arranged and operated so as to be compatible with the character of the zoning district and immediate vicinity, and not to interfere with the development and use of adjacent property in accordance with the applicable district regulations. The proposed development shall not be unsightly, obnoxious, nor offensive in appearance to abutting or nearby properties.

Applicant Comment: The subject properties are zoned Heavy Industrial (HI), Agricultural (A-1), and Greenbelt Conservation (GB-C) and the slurry drop sites and mine rescue shed will be compatible with the character of the zoning districts and immediate vicinity.

Staff Comment: The subject properties are zoned Greenbelt Conservation and A-1 Agricultural. These districts have similar intents to protect agricultural and environmental resources. The main changes to the property would be the above-ground pipe for the slurry, drops, and graveled drive. The drops, pipe, and drive are screened by the surrounding forested area. No agricultural land will be taken out of production for either proposal. Some land previously in CRP and trees were impacted during the construction of the drive for the slurry drops. The area impacted is under the threshold for natural resource mitigation. However, the slurry drops are proposed to be used for the next one to two years, at which point they would be plugged and the gravel drive removed. The ground will then be revegetated. Planning and Development staff recommend the restoration of these areas as a condition.

The backfilling of the mine with slurry and use of the steel utility building for the storage of rescue equipment/trailer are existing activities. No new pumps are proposed and no surface processing is proposed in these locations. No outdoor storage will occur of the rescue equipment/trailer—it will be located inside of the structure, a steel utility building that is similar to other agricultural buildings on the property. Staff recommends a condition that the conditional use permit for the slurry drops expires, including the expanded boundary around the parcels with the slurry drops, in January 2022 and a minor modification must be granted to extend the permit past this date.

2. **Transition.** The development shall provide for a suitable transition, and if necessary, buffer between the proposed buildings or use and surrounding properties.

Applicant Comment: Significant setbacks and existing vegetation provide a suitable transition and buffer between the existing mining site and surrounding properties.



Staff Comment: Regarding the slurry drops, the closest drop to an external property has a 50-foot setback from the property. This drop is over 1,000 feet from any dwellings. The northern-most drop is approximately 350-feet from the north external property line and South Skunk River. Due to the proximity to the river, additional berming or other measures are being proposed and investigated in this location by the applicant in case of a spill and recommended as a condition. Slurry drop 3 is proposed to be 50 feet from the adjacent external property line. Additional buffering measures and spill protection measures are being proposed and investigate by the applicant by this drop and recommended as a condition. The drops are screened by the surrounding forested area and the drops and driveway will be removed once the backfill of the mine with slurry is completed in the next one to two years. Planning and Development staff recommend the restoration of these areas a condition.

Regarding the off-site storage of the rescue equipment/trailer, the equipment is proposed to be located in an existing 40' x 60' steel utility building. No outside storage is proposed. The building was constructed under an agricultural exemption and initially used for agricultural purposes. It is similar in design to the other agricultural buildings on the property.

3. **Traffic.** The development shall provide for adequate ingress and egress, with particular attention to vehicular and pedestrian safety and convenience, traffic flow and control, and emergency access.

Applicant Comment: The existing mine site has access via North Dayton Avenue and East Riverside Road. No change in access is proposed with regard to the current request. The existing site access is sufficient with regard to pedestrian safety, traffic flow and control, and emergency access and no additional access is necessary.

Staff Comment: Traffic will likely continue at similar levels/use will not impact traffic levels as the proposed uses are not increasing or impacting production. Traffic on the new drive for the slurry drops will be limited to daily inspections of the pipe and drops. The rescue team may visit the rescue equipment/trailer storage location monthly or twice a month for maintenance and to access for training purposes.

4. **Parking and Loading.** The development shall provide all off-street parking and loading areas as required by this Ordinance, and adequate service entrances and areas. Appropriate screening shall be provided around parking and service areas to minimize visual impacts, glare from headlights, noise, fumes or other detrimental impacts.

Applicant Comment: Adequate off-street park has been provided and the layout of the parking has been designed to reduce impacts.

Staff Comment: No additional parking is proposed or required.

5. **Signs and Lighting.** Permitted signage shall be in accordance with the applicable district regulations and shall be compatible with the immediate vicinity. Exterior lighting, if provided, shall be with consideration given to glare, traffic safety and compatibility with property in the immediate vicinity.



Applicant Comment: All signage shall conform to applicable regulations. Exterior lighting shall comply with the requirements of Section 88.09, Site Lighting.

Staff Comment: No signs or lighting are proposed.

6. **Environmental Protection.** The development shall be planned and operated in such a manner that will safeguard environmental and visual resources. The development shall not generate excessive noise, vibration, dust, smoke, fumes, odor, glare, groundwater pollution or other undesirable, hazardous or nuisance conditions, including weeds.

Applicant Comment: No environmental impacts are anticipated from this proposal.

Staff Comment: The recycling of process water through pumping slurry into mined-out areas underground is presently occurring. Currently, the slurry is pumped to a pipe underground from the wash plant. The slurry is dropped into the Gilmore City level of the mine, 180 feet below the ground. As the mine is dewatered, the applicant indicates that the slurry will stay within the horizon of the mine.

The main change in the recycling process is that an above-ground pipe will carry the slurry to the new drops. Good housekeeping practices to prevent a spill are proposed: the pipe will be inspected daily. The applicant indicates that “if a leak is found the pump will be shut off, the pipe repaired, and any slurry spilled will be cleaned up.” The applicant further indicates that there are vegetated and forested areas around the pump that would act as a buffer for the slurry to prevent it from reaching a waterway. Due to the proximity of slurry drop 1 to the South Skunk River and slurry drop 3 to the adjacent property, additional berming or other measures are being proposed in this location in case of a spill and are recommended as a condition.

One percent of trees and natural cover were impacted by the drive’s construction—this is under Story County’s threshold for mitigation requirements of 15% removal. However, the slurry drops are proposed to be used for the next one to two years, at which point they would be plugged and the gravel drive removed. The ground will then be revegetated. Planning and Development staff recommend the restoration of these areas a condition.

No work is proposed in the floodplain.

No environmental impacts are anticipated from the storage of the rescue equipment/trailer.

2. **If the Board concludes that all the above development criteria will be met, it must recommend approval of the application unless it concludes that, if completed as proposed, there is a strong probability the development will:**

1. **Not adequately safeguard the health, safety and general welfare of persons residing or working in adjoining or surrounding property.**

Staff Comment: The slurry drops are a temporary use and no surface processing activities are proposed for the area. There is an existing slurry drop at the wash plant and slurry is currently



being pumped underground through this drop. The main change in the recycling process is that an above-ground pipe will carry the slurry to the new drops.

Almost all nearby dwellings are over 1,000 feet from the drops and pipe.

Two parcels to the east of slurry drop 1 are lots in the Country Estates Subdivision and each contains a single-family dwelling. The drop is 450 feet from these property lines and over 900 feet from the dwellings. A forested area provided a buffer between the drops and the dwellings.

There are three parcels adjacent to the east of slurry drop 3, one contains a single-family dwelling. The drop is over 2,000 feet from the dwelling and is separated by a forested area. The dwelling is also over 2,000 feet from drop 4.

The five dwellings located on Dayton Parkway and Dayton Ridge Road and other nearby dwellings in Country Estates are over 1,000 feet from the slurry drops. To the west, the closest dwelling is over 1,000 feet from the first drop and across the South Skunk River. All properties have a vegetative buffer from the slurry drops.

The off-site rescue equipment/trailer storage is not adjacent to any dwellings and its use is not anticipated to have any discernible impact on the area and the use directly relates to the safety of those working in the area.

2. Impair an adequate supply (including quality) of light and air to surrounding properties.

Staff Comment: The slurry drops are a temporary use and no surface processing activities are proposed for the area. Staff recommends a condition that the conditional use permit for the slurry drops expires, including the expanded boundary around the parcels with the slurry drops, in January 2022 and a minor modification must be granted to extend the permit past this date.

The proposed off-site rescue equipment/trailer storage will use an existing 40' x 60' steel utility building.

3. Unduly increase congestion in the roads, or the hazard from fire, flood, or similar dangers.

Staff Comment: Traffic will likely continue at similar levels

4. Diminish or impair established property values on adjoining or surrounding property.

Staff Comment: The Story County Assessor's Office raised no concerns with this item from the review of the requested Conditional Use Permit application. No negative impacts on property values are anticipated. The slurry drops are a temporary use and no surface processing activities are proposed for the area. Staff recommends a condition that the conditional use permit for the slurry drops expires, including the expanded boundary around the parcels with the slurry drops, in January 2022 and a minor modification must be granted to extend the permit past this date.



The proposed off-site rescue equipment/trailer storage will use an existing 40' x 60' steel utility building that is similar to other agricultural buildings on the property.

5. not be in accord with the intent, purpose and spirit of the Land Development Regulations or County Cornerstone to Capstone (C2C) Plan.

Staff Comment: The properties are designated as Agriculture and Subsurface Mining in the Ames Urban Fringe Plan Future Land Use Map. The goal of this designation is to protect agricultural resources while prohibiting uses that may not be compatible with subsurface mining activities. Areas where surface mining activities occur, such as the processing plant at the Martin Marietta Ames Mines, are designated as General Industrial in the Ames Urban Fringe Plan. The forested areas on the properties are also designated as Natural Areas and a policy for this area is to mitigate negative impacts from development.

As no surface processing activities are to occur and any impacted natural areas and agricultural areas will be revegetated after the use ceases, which is recommended as a condition, the proposal is compatible with the future land use for the area.

3. Burden of Persuasion.

- 1. The burden of persuasion as to whether the development, if completed as proposed, will comply with the requirements of this Chapter is at all times on the applicant.**
- 2. The burden of presenting evidence to the Board of Adjustment sufficient enough for it to conclude that the application does not comply with the requirements of this Chapter is upon the person or persons recommending such a conclusion, unless the information presented by the applicant warrants such a conclusion.**

Comments

The following comments are part of the official record of the proposed Martin Marietta Ames Mine addition of slurry drops and off-site rescue equipment/trailer storage at CUP-02-90.6. If necessary, conditions of approval may be formulated based on these comments.

Comments from County Departments

Application materials were routed to the Interagency Review Team on December 3, 2019. Some of the County staff review comments were as follows:

Story County Assessor

No Comments.

Story County Engineer

No Comments.

Story County Environmental Health

The Environmental Health Department previously worked with the Iowa Department of Natural Resources to determine that drops do not need a well permit.



Story County Conservation

Conservation noted the potential need for a berm by slurry drop 1 given the proximity to the South Skunk River at Peterson Park.

Planning and Development

- How are the drops drilled? Are there potential noise or vibrations from the drilling that may impact adjacent properties? *From the surface, similar to drilling a well. Given the distance, no impacts are anticipated.*
- What types of pumps are used to pump the slurry? Where are they proposed to be located and what noise impacts (decibel levels) will they have on adjacent properties? *Essentially no change. We have used a slurry pump at the existing wash plant as needed (although at the present time gravity flow is sufficient so the pump is not currently in use). Primary change is simply the route of the pipe (now proposed on ground surface, instead of underground as such there is no change to the sound level.*
- How is water pumped out of the underground holding ponds for reuse? Are there any noise or other impacts anticipated? *No change from current setup. As the lime fines settle out, clean water decants to a sump where an existing pump returns the water to the wash plant. As such, no change to sound level.*
- What impacts on groundwater or nearby wells will the pumping of slurry into the underground holding ponds have? What impacts will the pumping of water out of the holding ponds for reuse have on groundwater or nearby wells? Please explain any impacts on water levels and turbidity. *No impact. There is no change from the current setup other than the horizontal pipe being on the surface instead of underground. As a result, there will be no change to water levels or turbidity. The water is recirculated through the mine, from the sump, to the slurry deposit area, and that water returns through the mine to the sump. The mine is dewatered (in order to operate) so the slurry stays within the mine horizon (and even if it did mix with groundwater, it is the same water and limestone as the groundwater aquifer, just unconsolidated as fine grindings in water as opposed to solid rock now). The underground pump simply returns clean water from our closed loop recirculation system.*
- Are there any plans to enlarge surface operations, including stockpiling and processing, to the areas part of the new proposed conditional use permit boundary? *No.*
- Please provide more information on the capping/filling process for the slurry drops when they are taken out of service. *The hole will simply be filled with grout, essentially the same as capping a well (just a little bigger).*
- What size are the holes for the slurry drops? *20"- casing installed to a 16" finished diameter.*
- Are any trees or other natural areas impacted by the construction of the road? *No more than 15% of natural features may be impacted without mitigation. Drops 1 & 2 will have a small amount of timber removed for access. I have calculated the reduction at 0.5% and 1.0% respectively.*
- Does the mine's NPDES permit cover the slurry? What are the requirements of the NPDES permit to prevent runoff or accidental release of the slurry? Does the slurry contain any hazardous substances such as heavy metals? *Ames Mine has two NPDES permits, one for discharge of stormwater and one for discharge of mine dewatering and process water. While the slurry is process water, it is not "discharged" (to a waterway) it is "recycled" inside a closed loop system in the mine. Our NPDES permits requires best management practices*



(BMPs) to reduce erosion and sediment from reaching public waterways. The slurry pipe will be visually inspected daily. If a leak is found the pump will be shut off, the pipe repaired, and any slurry spilled will be cleaned up. The area around the pipe is in CRP and would serve as a vegetated buffer to prevent limestone fines from reaching a public waterway. No, the slurry does not contain any hazardous substances, limestone is removed from the mine, crushed, and fine material is simply returned to its origin.

- Will slurry be pumped in the wintertime? If so, are there precautions to prevent freezing of the pipe? *Yes and yes, though MM generally doesn't run the wash plant when temperatures are below freezing. The water starts in the mine at ~55° and will begin to cool when it reaches the wash plant and slurry pipes. A continuous flow of water typically prevents freezing and the pipe itself provides insulation. Clean outs and drains will be installed at low spots to drain the pipe if/when needed. If needed, we can also heat the water or add insulation to the pipe.*
- Why is the rescue equipment at an off-site location? Are there any benefits to this location rather than at the scale house or employee building? *Ease of access. Preferable to be off-site since serves multiple locations. Proximity to Ames Mine is desired since it is centrally located (with regard to the mines served by this unit) and is also the largest mine served by this rescue team and an overall central location for*
- The building used for the rescue equipment was constructed in 2005 through an agricultural exemption. If the structure is no longer primarily used for agricultural equipment and the conditional use permit is approved, a zoning permit will be required for the structure.

Comments from the General Public

Public notification letters were mailed to surrounding property owners within a quarter-mile of the site on December 11, 2019, regarding the Conditional Use Permit application.

No comments had been received at the time of completion of this staff report.

Comments from Cities within Two Miles

Application materials were routed to the cities of Ames and Gilbert as cooperators in the Ames Urban Fringe Plan.

No comments had been received at the time of completion of this staff report

Points for Consideration

1. The backfilling of the mine with slurry and use of the 40' x 60' utility building for the storage of rescue equipment/trailer are existing activities. No outside storage of rescue equipment is proposed.
2. The main change in the was water/slurry recycling process is that an above-ground pipe will carry the slurry to the new drops. The pipe will be inspected daily.
3. Due to the proximity of slurry drop 1 to the South Skunk River and slurry drop 3 to the adjacent property, additional berming or other measures are proposed in this location in case of a spill and recommended as a condition.



4. The closest dwellings are 900 feet to the east of slurry drop 1 and buffered by an existing forested area. The drop is approximately 450 feet from these property lines.
5. Slurry drop 3 is proposed to be 50 feet from the external property line to the east. There is no dwelling on this property and it contains a forested area. Slurry drop 3 is over 1,000 feet from the nearest dwelling.
6. A driveway to access the pumps has also already been constructed. One percent of trees and natural cover were impacted by the road's construction—this is under Story County's threshold for mitigation requirements of 15% removal.
7. The properties are designated as Agriculture and Subsurface Mining Areas and Natural Areas in the Ames Urban Fringe Plan Future Land Use Map and consistent with this designation.
8. The slurry drops are proposed to be used for the next one to two years, at which point they would be plugged and the gravel drive removed. The ground will then be revegetated.
9. Staff recommends a condition that the conditional use permit for the slurry drop expires, including the expanded boundary around the parcels with the slurry drops, in January 2022 and a minor modification must be granted to extend the permit past this date.
10. No surface processing activities are proposed.
11. Backfilling of the mine with slurry provides a storage solution for the slurry.
12. Traffic will likely continue at similar levels/use will not impact traffic levels as the proposed uses are not increasing or impacting production.
13. The building was constructed under an agricultural exemption and initially used for agricultural purposes. A zoning permit is required to be submitted for the structure if the conditional use permit is approved.

Recommendation the Board of Adjustment

Planning and Development Staff recommends approval of the Conditional Use Permit for the addition of slurry drops and off-site rescue equipment/trailer storage at the Martin Marietta Ames Mine with conditions based on a site review, comments received, the information provided in this staff report, and material provided by the applicant as put forth in case CUP02-90.6.

Alternatives

The Story County Board of Adjustment may consider the following alternatives:

- 1) The Story County Board of Adjustment approves the Conditional Use Permit for the addition of slurry drops and off-site rescue equipment/trailer storage at the Martin Marietta Ames Mine as put forth in case CUP02-90.6, as submitted.



- 2) **The Story County Board of Adjustment approves the Conditional Use Permit for the addition of slurry drops and off-site rescue equipment/trailer storage at the Martin Marietta Ames Mine as put forth in case CUP02-90.6, as submitted, with conditions as follow:**
 - i. **Conditions of the approved Conditional Use Permit Case No. CUP02-90 and subsequent modifications shall be maintained.**
 - ii. **When the use of the slurry drops ceases, the drops shall be plugged and the drive removed. The impacted area shall be revegetated.**
 - iii. **The conditional use permit for the slurry drops, including the conditional use permit boundary around the properties with the drops, shall expire January 1, 2022 unless subsequent modifications are approved to extend the permit.**
 - iv. **Additional berming or other measures shall be installed by slurry drop 1 and slurry drop 3 to provide additional protection to the South Skunk River and adjacent property from spills.**
 - v. **A zoning permit for the 40' x 60' utility on parcel building shall be submitted in 30 days from the approval of the conditional use permit.**
- 3) The Story County Board of Adjustment denies the Conditional Use Permit for the addition of slurry drops and off-site rescue equipment/trailer storage at the Martin Marietta Ames Mine as put forth in case CUP02-90.6, as submitted.
- 4) The Story County Board of Adjustment remands the Conditional Use Permit for the addition of slurry drops and off-site rescue equipment/trailer storage at the Martin Marietta Ames Mine as put forth in case CUP02-90.6, back to the applicant for further review and/or modifications and directs staff to place this item on the January 15, 2019, Story County Board of Adjustment Agenda.

Staff Report

Story County

Planning and Zoning Commission

Date of Meeting:
April 15, 2020

Case Number CUP02-20

Izaak Walton League Shelter

APPLICANT: Randy Cummings
800 Crestview Ave
Story City, IA 50248

STAFF PROJECT MANAGER: Marcus Amman, Planner

SUMMARY: Izaak Walton League is proposing construction of an 18'x12' shelter at the trap and skeet range. The shelter is to provide protection from sun or rain for spectators. The shelter is not expected to increase any spectators.



On April 1st, 2020 the Story County Planning and Zoning Commission approved the Conditional Use Permit for the Izaak Walton League proposed shelter and existing storage buildings associated with the existing gun club, to include the indoor range, and campground use CUP02-20 with the following conditions:

- **The applicant shall apply for zoning permits for all existing structures where there are no zoning permits on county record.**
- **Adjoining of parcels 0536100420, 0536200305, & 0536400140 to create one parcel with no internal property lines. (This will be completed late July or early August due to the assessment cycle the county is currently in. P&D staff was informed of this on April 2nd, 2020 by the county Assessor's Office.)**



Property Information

PROPERTY OWNERS

Izaak Walton League of America
2066 Stagecoach Road
Ames, IA 50010

GENERAL PROPERTY LOCATION

Section: 36 Township: 84 Range: 24 SW NE

SITE ADDRESS

2066 Stagecoach Road
Ames, IA 50010

PARCEL IDENTIFICATION NUMBER(S)

05-36-200-305 38.36-Net Acres
05-36-100-420 23.79-Net Acres
05-36-400-140 6.86-Net Acres

CURRENT ZONING

A-1, Agricultural District

CURRENT LAND USE

The current land use at the proposed site of the Izaak Walton League shelter is an existing private gun club. The property is mainly surrounded by agricultural uses to the north, south, and east. Directly west of this parcel, is another parcel owned by Izaak Walton League and is also part of the same gun club.

FUTURE LAND USE MAP DESIGNATION

Ames Urban Fringe Plan Parks and Recreation Areas

CITIES WITHIN TWO MILES

Ames

Floodplain

None.

The following items were submitted by the applicant: CUP Application, Site Plan, narrative describing need of the shelter, proposed structure specifications, and responses to County Staff review comments.

Background

This Conditional Use Permit addresses a proposed shelter structure as well as the existing uses to include shooting ranges and campground and their associated structures bringing a legal non-conforming use into conformance. This proposed 18'x12' shade shelter to be constructed by the Boy Scout Troop 101's Carson Cummings will be used to provide shade and some shelter from the elements at the Izaak Walton League's Trap and Skeet shooting range. The Izaak Walton League has



been in place at its current location since 1952 with Story County adopting zoning in 1958. Private Gun Clubs are allowed in the A-1 Zoning district through a conditional use permit process per Chapter 90 of the Story County Land Development Regulations. This shade shelter will be an accessory use to the existing private gun club.

Bulk Standards

The proposed structure will meet the County’s setback requirements. The proposed structure will meet the setbacks from all property lines. The overall proposed structure height will be 8 feet. The minimum setback requirement for this proposed structure is 50 feet from all property lines. The proposed structure will be 1267 feet from the north property line, 63 feet from the south property line, approximately 1098 feet from the west property line, and over 210 feet from the east property line. The proposed structure is unlikely be seen by anyone not on the property. The purpose of this structure is to provide shade and some protection from the elements for competitors and spectators at the trap and skeet range. The structure will be constructed by four posts and a roof. The structure is not intended to be enclosed. The existing structures setbacks are in the table below.

The property is located just outside of the City of Ames limits on Stagecoach Road, ½ a mile north of E 13th ST. The property on which the proposed structure is to be constructed is 38.36 net acres, the entire Izaak Walton League land area related to this request is 69.01 net acres, and currently has an established gun club on it. The park residence dwelling and chapter house are covered under CUP09-01 issued in 2002. Condition 5 of CUP09-01 required biennial review of the grounds. The last review took place in 2013 and staff noted no changes made to any portion of the facility that would eliminate any of its legally established non-conforming use status, or any changes to the buildings approved by CUP09-01. The existing structures on the site are listed below, all measurements are in feet:

Structure	Size	North	South	East	West
Park Residence Dwelling	67x16	627	664	1811	187
Chapter House (indoor Range)	78x45	610	637	1565	400
Handgun Cover	55x10	300	1004	1206	891
Rifle Cover	55x10	300	956	1254	858
Rifle Handgun Conex	20x8	304	1008	1155	972
Campground Shelter	40x25	527	1114	196	1854
Trap and Skeet Small Conex	20x8	1153	158	242	1713
Trap and Skeet Large Conex	40x8	1246	40	104	1853
Trap and Skeet Garage	24x27	1196	103	256	1700
Trap and Skeet Meeting Shelter	25x34	1246	57	331	1628
Trap and Skeet Small Shade Shelter	15x10	1225	71	250	1717
Trap and Skeet Fence	~50	1294	337	358	1635
Archery Shelter	14x12	1096	200	1450	506

The proposed structure will be approximately 24 feet east of the existing shade shelter (15’x10’) that was another previous Boy Scout project. The property is located directly north of the Stage Coach Stables property that contains 97.17-net acres. The rest of the surrounding parcels are all in agricultural production. The nearest residence is approximately 2,605 feet to the northwest of the proposed structure site. This proposed structure will be screened from all other parcels due to its location and surrounding tree coverage.



Traffic

The traffic impact of the proposed structure is expected to be minimal. There is no proposed increase of traffic as an outcome of the proposed shelter, this shelter is not intended to allow for more people to spectate or participate but to provide shade for the existing uses. Below is the anticipated traffic for scheduled events and does not include the average 20 visitors a day. The park is controlled through a gated entry point with access being granted by a FOB card (digital access key).

Estimated per event traffic counts for scheduled events at Ames Izaak Walton League NOT counted on the Average daily visits to the property by random members.

- 1) Board Meetings, Once Monthly, 20 Vehicles
- 2) Boy Scout Meetings, Twice per month, 20 vehicles
- 3) Chapterhouse Rentals, 10 Per year, 20-30 vehicles
- 4) Hunter Education, 2 session per year, 3 days each, 30-40 vehicles
- 5) Arbor Day Tree Packaging, 1 per year, 20 vehicles
- 6) Archery Clinics 2 per year, 10 sessions, 10 vehicles
- 7) Member trap and Skeet, weekly weather permitting, 40 weeks, 20 vehicles,
- 8) Scholastic Trap and Skeet, Seasonal, 5 days per week, 16 weeks, 30 vehicles
- 9) ISU Trap and Skeet, Year-Round weather permitting Thursdays, 40 weeks, 20 vehicles.
- 10) Indoor Range use, December-March, twice per week, 5 vehicles.

Organizational Use

One of the requirements of this non-profit organization is to let other organizations outside of the Izaak Walton League use the facility for various functions. Therefore, they do allow other organizations such as the Boy Scouts, 4H, Johnny Appleseed, the Department of Natural Resources, various high schools and the Iowa State Trap club, Women of the Wild and others use the facility. Typically, a member or members are present when one of these organizations use the facility.

Parking

During the construction of the shade structure all parking will take place on the subject property. There will be no parking on any of the right-of-way. There is existing parking areas at each range with a total of 3 ADA stalls marked. One of the ADA parking stalls is at the chapter house and the other two are located at the parking area for the rifle and handgun range. There is also no signs or lighting proposed for this project.

Lighting

The park does have existing lighting at various points to include:

- i. Entry gate and sign: Residential type yard light
- ii. Park resident: Residential type yard light
- iii. Chapter House: The Chapter House has exterior lights at the entry door and shares the yard light with the park resident facilities. Neither of these light sources illuminate past the property line and also the natural vegetation blocks light from being able to shine on any of the surrounding properties.
- iv. Campground



1. The campground has a single yard light for the campground. This light is only utilized in the summer months when the campground is open.
- v. Trap I Skeet range: The trap I skeet range has four wooden poles with stadium type lighting to illuminate the trap and skeet ranges for night shooting. These light fixtures do not illuminate past the property lines and also natural vegetation, i.e. trees block the lighting from adjacent properties. Also, the lights do not provide any up lighting and the range hours in the peak shooting months are until 9:00PM.

Sheriff Records

In January of 2020 a request was made to the Sheriff's Office for calls made to or about the Izaak Walton League. There were 18 calls between 09/06/2014 and 01/23/2020. Some of these calls were notice to the Sheriff's Office that Boy or Girl Scouts would be staying in the park, once misfire incident for a non-fatal injury, and miscellaneous vandalism. During that time there were no phone calls for noise complaints about the property.

Rules

All the rules for the use of the range and the facilities were provided by the Izaak Walton League. These documents are available on the agenda center as well as Izaak Walton League's own website. The rules for the rifle and handgun range states that shooting can begin at 7:30 a.m. and must end at dark. Trap and Skeet ranges are lit and shooting past dark in the fall is common with most shooting completing before 10:00 p.m. During the time period of December of 2007 to April of 2008 there was one individual calling to complain about noise. Those phone calls subsided without intervention.

Indoor Range

Izaak Walton League has an indoor range under the Chapter House building. This was installed between 1950 and early 1970's based on conversations with members from 20+ years ago. When the indoor range is in use the Chapter House area is off limits and a barricade is in place to block people from using it. The indoor range is off limits when the Chapter House is in use. The indoor range is locked by key that a range safety officer needs to obtain to open the indoor range. The range is operated according to the NRA Range Source Book and the NRA Range Safety Officer (RSO) materials. There are certified RSO's operating the indoor range, who have been trained to safely manage range operations when in use. The indoor range cannot be utilized if the range safety officer is not present. There has been no injuries related to the indoor range use. Those who use it state that they like it and like an indoor place to shoot during winter months.

Indoor Range Clean-up

During January 22-24 the Izaak Walton League had their indoor range cleaned. Metals Treatment Technologies (MT2) was the cleaning agency. During this time they recovered lead, groomed the rubber on the trap, vacuumed the range from the shooting line, floors, and walls up to 8' and wet wiped non-porous surfaces of shooting partitions, treated the range and reported any wear, damage or maintenance. The lead recovery effort yielded 2,571 pounds of lead from the trap. This lead was subsequently sold to Three Sisters Trading LLC. All of the materials purchased will be re-melted to their base metallic state. No materials received will be re-used for their original purpose



or land-filled. All of the materials will be direct to a duly licensed secondary metal processor for conversion. The indoor range has an HVAC system that creates negative pressure, meaning the air is pulled out of the range to protect those utilizing the range.

Outdoor Range and Maintenance

The outdoor ranges consist of a rifle range, and handgun range, and the trap and skeet range. The rifle range has berms up to 200 yards. The handgun range has berms and targets up to 60 feet. The Trap and Skeet range has 3 trap houses and 2 skeet ranges. The trap and skeet range has poured concrete walk ways for safety.

The outdoor ranges are maintained yearly. This maintenance consists of members using league equipment to push existing dirt back into place. New dirt is also added as need be due to use of the range or as rain washes the dirt off. The company that performed the indoor range lead cleanup has offered to assess the outdoor berms to clean up the existing lead.

Archery Range

The archery range is located approximately 460 feet south of the Chapter House. Like all the other ranges no ranges face this range. There are a total of 8 targets at the archery range with a distance of up to 50 meters.

Campground

The campground area is only utilized by Izaak Walton League Members and has been in use since the League started. There is 3.26 acres of camping primitive camping area. There are on average 10-15 people who camp a year. There are on average 5-30 people who camp when the boy scouts use the campground for a weekend. There are five electrical hookups.

Proposed Structure

Throughout construction and after, no significant environmental impacts are expected. This proposed structure is not anticipated to impact the supply or quality of light or air to the surrounding properties. The shelter is also not anticipated to impact any property values in the area and will likely blend in with the existing use of the parcels. The proposed site is not located in a floodplain.

The applicant stated that in the future they would like to build a garage near the chapter house and the park residence dwelling. The applicant understands that zoning permit applications will be needed for all structures that Story County does not have records of. Applicant understands that at minimum an insignificant modification and a zoning permit would be needed for any future improvements.

Analysis

B. Applicable Regulations: Chapter 90.04: Standards for Approval

The Planning and Zoning Commission shall review the proposed development for conformance to the following development criteria:



1. **Compatibility.** The proposed buildings or use shall be constructed, arranged and operated so as to be compatible with the character of the zoning district and immediate vicinity, and not to interfere with the development and use of adjacent property in accordance with the applicable district regulations. The proposed development shall not be unsightly, obnoxious, nor offensive in appearance to abutting or nearby properties.

Applicant Comment: The existing Ames lkes facilities include the mobile home for the park tenant, the chapter house, archery range, rifle range, campgrounds and trap I skeet fields. These areas are largely invisible from the public gravel road and adjoining properties due to the existing timber which screens the entire complex. The existing structures are compatible with the character of the zoning district and immediate vicinity and do not interfere with the development and or use of adjacent properties.

Staff Comment: Private gun clubs are a conditional use in the A-1 District. The requirement for a conditional use permit is based on the provision of Chapter 90 Table 90-1 of the Story County Code of Ordinances. Private gun clubs do not have supplemental standards. The property on which the proposed structure is to be constructed is 38.36-net acre parcel with existing structures and uses related to private gun clubs. The properties to the north, east, and west are in agricultural production, and the parcel to the west is owned by the applicant and part of the private gun club. The proposed structure will most likely blend with the existing uses and would not be seen from outside of the parcel. The natural vegetation provides a buffer of the structures and associated uses on the property.

2. **Transition.** The development shall provide for a suitable transition, and if necessary, buffer between the proposed buildings or use and surrounding properties.

Applicant Comment: The Ames lkes facility is located in a heavily wooded area therefore the property and the existing structures cannot be viewed from the roadway or the surrounding properties. The existing structures all appear to have adequate setback from the property lines and with the existing trees seem to be naturally screened form persons on the roadway or on adjacent properties. The location of existing structures can be seen on the attached site layout.

Staff Comment: The proposed structure will meet the setbacks from all property lines. The overall proposed structure height will be 8 feet. The minimum setback requirement for this proposed structure is 50 feet from all property lines. The proposed structure will be 1267 feet from the north property line, 63 feet from the south property line, approximately 1098 feet from the west property line, and over 210 feet from the east property line. The proposed structure will not likely be seen by anyone not on the property.

3. **Traffic.** The development shall provide for adequate ingress and egress, with particular attention to vehicular and pedestrian safety and convenience, traffic flow and control, and emergency access.

Applicant Comment: The property is accessed from Stagecoach Road. The property has a gravel road that provides access to the different areas of the park. The road is maintained by members and or the park tenant. The road is wide enough for vehicles to pass when meeting. The Conditional Use Permit application of 2004 states" The Story County Engineer



had no concerns about ingress, egress, vehicular and pedestrian safety and convenience, traffic flow and control, emergency access. No new facilities are proposed at this time that would increase traffic above existing levels". We the board members believe that this statement is still applicable for the park today. The traffic counts for park activities have been outlined in the below:

Estimated traffic counts for scheduled events at Ames Izaak Walton League NOT counted on the Average daily visits to the property by random members. {See #11}

- 1) Board Meetings, Once Monthly, 20 Vehicles
- 2) Boy Scout Meetings, Twice per month, 20 vehicles
- 3) Chapterhouse Rentals, 10 Per year, 20-30 vehicles
- 4) Hunter Education, 2 session per year, 3 days each, 30-40 vehicles
- 5) Arbor Day Tree Packaging, 1 per year, 20 vehicles
- 6) Archery Clinics 2 per year, 10 sessions, 10 vehicles
- 7) Member trap and Skeet, weekly weather permitting, "40 weeks, 20 vehicles,
- 8) Scholastic Trap and Skeet, Seasonal, 5 days per week, "16 weeks, 30 vehicles
- 9) ISU Trap and Skeet, Year-Round weather permitting Thursdays, "40 weeks, 20 vehicles.
- 10) Indoor Range use, December-March, twice per week, 5 vehicles.

Staff Comment: The traffic impact of the proposed structure is expected to be minimal. There is no proposed increase of traffic as an outcome of the proposed shelter.

4. **Parking and Loading.** The development shall provide all off-street parking and loading areas as required by this Ordinance, and adequate service entrances and areas. Appropriate screening shall be provided around parking and service areas to minimize visual impacts, glare from headlights, noise, fumes or other detrimental impacts.

Applicant Comment: All parking is off street and is contained within the boundaries of the park. Each of the areas, archery, chapter house, park resident, rifle range and the trap and skeet fields have graveled parking areas for persons using the facility. The parking in these areas is screened by the natural vegetation of the park. The parking areas are adequate for the number of persons attending a given event. The parking area for each of the above-mentioned areas is depicted on the map.

Staff Comment: During the construction of the shelter, parking will take place on the subject property using existing access points to the property. No parking or equipment storage will take place in the right of way. There is existing parking at each of the stations at the private gun club. No new parking is proposed as the shelter will not generate traffic.

5. **Signs and Lighting.** Permitted signage shall be in accordance with the applicable district regulations and shall be compatible with the immediate vicinity. Exterior lighting, if provided, shall be with consideration given to glare, traffic safety and compatibility with property in the immediate vicinity.

Applicant Comment: There is existing lighting in the following areas:



- i. Entry gate and sign: Residential type yard light
- ii. Park resident: Residential type yard light
- iii. Chapter House: The Chapter House has exterior lights at the entry door and shares the yard light with the park resident facilities. Neither of these light sources illuminate past the property line and also the natural vegetation blocks light from being able to shine on any of the surrounding properties.
- iv. Campground
 - 1. The campground has a single yard light for the campground. This light is only utilized in the summer months when the campground is open.
- v. Trap I Skeet range: The trap I skeet range has four wooden poles with stadium type lighting to illuminate the trap and skeet ranges for night shooting. These light fixtures do not illuminate past the property lines and also natural vegetation, i.e. trees block the lighting from adjacent properties. Also, the lights do not provide any up lighting and the range hours in the peak shooting months are until 9:00PM.

Staff Comment: There is no signs or lighting proposed for the proposed shelter.

6. **Environmental Protection.** The development shall be planned and operated in such a manner that will safeguard environmental and visual resources. The development shall not generate excessive noise, vibration, dust, smoke, fumes, odor, glare, groundwater pollution or other undesirable, hazardous or nuisance conditions, including weeds.

Applicant Comment: The use of the property today does not generate excessive noise, vibration, dust, smoke, fumes, odor, groundwater pollution or other undesirable, hazardous or nuisance conditions. The site is kept mowed and maintained by members. The roads usually have new gravel added yearly if not more often. The natural vegetation of the park provides wildlife a place to live throughout the year.

Staff Comment: No vibration, dust, smoke, fumes, odor, glare, groundwater pollution or other undesirable, hazardous or nuisance conditions, including weeds, are anticipated. There is a level of noise generated that is typical of the existing shooting range. The natural vegetation assists in buffering the use and noise associated with the use.

If the Board concludes that all the above development criteria will be met, it must recommend approval of the application unless it concludes that, if completed as proposed, there is a strong probability the development will:

- 1. **Not adequately safeguard the health, safety and general welfare of persons residing or working in adjoining or surrounding property.**

Staff Comment: The proposed structure will meet the setbacks from all property lines. The overall proposed structure height will be 8 feet. The minimum setback requirement for this



structure is 50 feet. The proposed structure will be 1267 feet from the north property line, 63 feet from the south property line, approximately 1098 feet from the west property line, and over 210 feet from the east property line. The proposed structure will not likely be seen by anyone not on the parcel.

2. Impair an adequate supply (including quality) of light and air to surrounding properties.

Staff Comment: The proposed structure will be an 8' shade shelter. It is not likely to impact quality or quantity of light or air.

3. Unduly increase congestion in the roads, or the hazard from fire, flood, or similar dangers.

Staff Comment: Following the construction of the proposed structure, there will be very little traffic to and from the structure. The shelter is not expected to generate any traffic. The proposed structure will not be located within the floodplain. The structure is open with no exterior walls.

4. Diminish or impair established property values on adjoining or surrounding property.

Staff Comment: The Story County Assessor's Office raised no concerns with this item from the review of the requested Conditional Use Permit application. No impacts on property values are anticipated.

5. Not be in accord with the intent, purpose and spirit of the Land Development Regulations or County Cornerstone to Capstone (C2C) Plan.

Staff Comment: The C2C plan is oriented toward preserving the county's rural character and high value agricultural land, protecting environmentally-sensitive areas, and identifying areas for future growth and development. The proposed shelter is to be located in an already improved area. The remainder of the parcel will continue to be used for its existing use.

C. Burden of Persuasion.

- 1. The burden of persuasion as to whether the development, if completed as proposed, will comply with the requirements of this Chapter is at all times on the applicant.**
- 2. The burden of presenting evidence to the Board of Adjustment sufficient enough for it to conclude that the application does not comply with the requirements of this Chapter is upon the person or persons recommending such a conclusion, unless the information presented by the applicant warrants such a conclusion.**

Commentary



The following comments are part of the official record of the proposed **Izaak Walton League Shelter CUP02-20**. If necessary, conditions of approval may be formulated based off these comments.

Conceptual Review – January 9, 2020

Comments from the Assessor’s Office

No comment

Comments from the Auditor’s Office

No comment

Comments from the Engineer’s Office

No comment

Comments from the Emergency Management’s Office

No comment

Comments from the Interagency Review Team and applicant responses:

Planning and Development

1. The Conditional Use Permit (CUP) for the mobile home for the property caretaker was approved in 2002 with conditions. The CUP was under the category of Lodges and Fraternal Organizations and did not include the gun club, however, it was considered a legal nonconforming use. One of the conditions of approval of the CUP indicated that future replacement of buildings or other changes on-site shall be subject to Conditional Use Permit modification requirements of the Zoning Ordinance, and Zoning Permit standards.
2. The County’s ordinance Chapter 91.02 indicates that nonconforming uses shall not be enlarged upon, expanded or extended. **The site of the Ames lkes has not been enlarged or expanded since its inception in 1952. The site has contained a park resident facility, archery area, chapter house, rifle range, camping area and trap and skeet range since its inception. The Ames lkes are not trying to expand the land area of the facility but are trying to maintain and or upgrade the existing facilities and construct the two new structures, the roof structure at the trap and skeet field for the members amenity and the garage for needed equipment storage so the park can be kept up in pristine condition and offer a place for members and non-members to have a place to explore nature and the many outdoor activities offered by the facility.**
3. Since approval of the CUP in 2002, from review of aerials a few structures (including shipping containers) and paved shooting station areas have been added and/or expanded. **Note: The current members have used Google Earth to try to determine the changes on the property, but we were only able to find aerial documentation dated 1994 and then from 2002 through 2018.**
 - a. Paved shooting station lanes:
 - i. **The concrete shooting lanes for range #1 (east range) were placed in 2009. The shooting lanes replaced individual concrete yardage pads with a continuous lane, i.e. sidewalk for better and safer access for the shooters.**



County staff, staff report prepared, Planning and Zoning Commission recommendation to the Board of Adjustment who acts on the request. Planning staff sends public notice to all property owners within ¼ mile. This process will take the nonconforming use (shooting ranges, gun club) to a permitted use under the County's current zoning standards.

ACKNOWLEDGED

5. Please submit the CUP application, fee (\$275) and written findings of fact from the Story County Land Development Regulations Chapter 90.04. **PROVIDED**
6. Provide aerial or sketch drawing showing location, setback from property lines, and identify the use of all structures (including shipping containers). Also label the use of each activity area (i.e. pistol, rifle, shotgun, bow and arrow) **SEE ATTACHED MAP**
7. Provide copy of any federal and state law or guidelines used to determine the location and use of all structures and activity areas. **At this point the members are not aware of any state or federal guidelines that would be required. The ranges and the trap fields are existing, and the only information is for new facilities to be constructed.**
8. The General Site Planning Standards in the County's Ordinance Chapter 88 may be applicable to existing and proposed improvements. **PROVIDED**
9. Provide copy of the gun club rules and use of the facility. **PROVIDED**
10. Provide information regarding hours of operation and annual activity schedule. **Access to the park is allowed at any time for members through the key fob activated gate. Since there is camping allowed by members, there is no restriction to when they may enter or leave the park. Previously defined in the Rifle and Pistol range rules, shooting can start at 7:30AM and end at dark. Trap and skeet usage are primarily afternoon and evening activities. The trap and skeet ranges are lit, so evening shooting past dark in the fall is typical. Most all shooting at the trap and skeet range ends before 10pm.**
11. Provide average daily number of visits to the property. **Ames lkes Membership varies year to year and season to season as people can sign up at anytime of the year. Our 3-year trend for membership is approximately peaking at 750 members per year. Average daily gate entry is 20 per day. This includes the park resident's daily use as he lives on the property. This number includes the entry of leaders of activities listed in item #10 before they lock the entry gate open for the activity. Weekend usage is higher and so is usage on days where weather is more conducive to the desired activity.**
12. Is there any lighting on the property? **Refer to Item 5.5 Signs & Lighting, above for the description of lighting on the site.**
13. What practices are used to clean gunshot from the property? **The indoor shooting range was cleaned out in the fourth quarter of 2019 by a lead reclamation company. This company was able to reclaim approximately 3000 lbs. of lead from the range. This company will investigate the feasibility of reclaiming lead from the rifle and pistol range when the weather permits.**
14. Has there been any complaints within the last few years regarding the use of the property? If so, how were they addressed? **The members asked about this question did not have any knowledge of any complaints within the last few years.**



15. Is the property used by other persons or organizations in addition to Izaak Walton League members? Please provide details. **One of the requirements of a non-profit organization is to let other organizations outside of the Izaak Walton League use the facility for various functions. Therefore, we do allow other organizations such as the Boy Scouts, 4H, Johnny Appleseed, the Department of Natural Resources, various high schools and the Iowa State Trap club, Women of the Wild and others use the facility. Typically, a member or members are present when one of these organizations use the facility.**
16. Are there future plans to further expand the use of the property? **As current Ames Ikes members there are no plans to expand the use of the property, i.e. add additional amenities such as trap houses, rifle shooting stations, archery areas, etc. The only thing we as a board want to expand is the membership of the Ames Ikes to ensure that current and future generations will have places like the Ames Ikes to be able to explore the outdoors and learn to preserve and enjoy nature.**
17. How many non-organizational activities take place every year?
 - a. **See Exhibit A – Non-Organizational Activities**
18. How are the berms maintained? Resurfacing as well as lead cleanup.
 - a. **The berms are maintained by members using the league equipment. The dirt on the berms is pushed back up in place at least yearly and new dirt is added to the face to maintain the height of the berm. The face of the berms is rebuilt at least yearly and more often if needed due to excessive rain causing the face to sluff off.**
 - b. **The lead in the berms has not been cleaned up for an unknown period of time. The company that reclaimed the lead from the indoor range has offered to look at the berms.**
19. How often are the berms maintained? Resurfacing as well as lead cleanup.
 - a. **The face of the berms is rebuilt at least yearly and more often if needed due to excessive rain causing the face to sluff off.**
 - b. **The lead in the berms has not been cleaned up for an unknown period of time. The company that reclaimed the lead from the indoor range has offered to look at the berms.**
20. Will the shelter have any electrical connections?
 - a. **No electrical lighting or outlets will be installed in the shelter.**
21. How many people camp on an average each year?
 - a. **The campground is for Ikes members only. The number of campers is 10 to 15 people per year.**
 - b. **The Boy Scout Troop sponsored by the Ames Ikes does use the campground for weekend campouts occasionally during the summer months. These outings can have from 5 scouts to possibly 30 scouts for a weekend.**
22. Zoning permits applications for any existing structure larger than 100 square feet and the fence will be required.
 - a. **A list of the structures will be included with the Zoning permit.**
23. Any future improvements to the site will require a minimum of a CUP insignificant modification and zoning permit.



- a. **If and when additional structures are to be built the board is now aware of these permitting requirements.**
24. On average how many spectators are present for events?
 - a. **The high school trap meets are the only events that draw spectators which are usually parents, friends or grandparents. There are usually between 10 to 25 spectators depending on if there are two or three high schools being represented.**
25. Show layout of the parking spaces for each area where vehicles are permitted to park at each shooting area including the clubhouse.
 - a. **See Exhibit B- Parking at the Chapter House, Rifle / Pistol Range and the Trap / Skeet Fields.**
26. Show the ADA parking spaces on the property. ADA parking signs are required as identified in Chapter 88.08.
 - a. **See Exhibit C – ADA Parking Spots.**
27. Show the location of the lighting on the property. All lighting shall meet Chapter 88.09.
 - a. **See Exhibit D – Light Pole Locations**
 - b. **There is existing lighting in the following areas:**
 - i. **Entry gate and sign: Residential type yard light. This light is inside the fence and the lighting does not extend past the property line nor is there any uplighting from the fixture.**
 - ii. **Park resident: Residential type yard light. This fixture is located by the residence and the lighting does not extend past the lot line nor is there any uplighting associated with the light.**
 - iii. **Chapter House: The Chapter House has wall mounted residential exterior lights at the entry door and shares the yard light with the park resident facilities. Neither of these light sources illuminate past the property line and also the natural vegetation blocks light from being able to shine on any of the surrounding properties.**
 - iv. **Campground**
 1. **The campground has a single yard light for the campground. This light is only utilized in the summer months when the campground is open.**
 2. **A second pole mounted light is next to the shelter building at the campground. This light is on a switch located in the building. This light does not cast light past or close to the property line and does not have any uplighting.**
 - v. **Trap / Skeet range: The trap / skeet range has five wooden poles with stadium type lighting to illuminate the trap and skeet ranges for night shooting. These light fixtures do not illuminate past the property lines and also natural vegetation, i.e. trees block the lighting from adjacent**



properties. Also, the lights do not provide any up lighting and the range hours in the peak shooting months are until 9:00 PM.

28. In accordance with Chapter 88.05(4), the erosion control requirements apply to all developments less than one acre. Will any grading occur for the proposed shelter building?
- a. **No grading is required for the proposed shelter building. The building footings would be augured footings and extend above the existing grade. The shelter is being constructed next to the gravel parking and would have gravel for the shelter floor.**
29. Please explain what a binary explosive is.
- a. **A binary is a two-component explosive material. It is an explosive material consisting of two components, neither of which is explosive by themselves but when mixed together become an explosive material. The common or shelf name is Tannerite. Tannerite can be purchased in many local stores, hardware stores, sporting goods stores, etc. When the two components of Tannerite are mixed together the container can be shot with a rifle or handgun and it will explode. In the park rules the use of Tannerite or any other binary explosive is prohibited.**
30. What company did the lead cleanup? Did they provide a written report to the board?
- a. **The name of the company performing the lead cleanup was Metal Treatment Technologies, LLC. The company did not provide a report but did provide the certificate of recycling which is attached as Exhibit E.**
31. Where is the indoor shooting range located on the property? How often is it used? Are there separate rules for this building?
- a. **The indoor shooting range is located in the basement of the Chapter House and to our knowledge was installed in the late 1960's to early 1970's.**
 - b. **The range is open twice per week to the public on Thursday evenings and Sunday afternoons from December through March. The number of shooters is approximately five to six people at each of the times the range is open.**
 - c. **The ISU Rifle and Pistol Club use the indoor range on Wednesday evenings. There are usually between 6 to 10 members from the club during an evening.**
 - d. **The following are the Indoor Range Rules (All range rules were provided and posted to the agenda center):**

INDOOR RANGE RULES AND REGULATIONS for Ames Izaak Walton League

Range Regulations: These regulations supersede and void all other published regulations and will remain in effect until revised or replaced by board action.

The range is open to members and non-members.

Eye and ear protection are required.

Handguns Rounds Only – No Magnum loads. Jacketed bullets are acceptable. Pellets and BB's are not allowed during regular public hours.

The time available will be monitored and controlled by the range officer. Payment of the range fee will not allow a member or non-member to shoot for the entire period that the range is open. This is dependent on the number of shooters using the range.



Shooters are responsible for policing their brass and keeping the range clean.

The range may be rented to outside groups with the approval of the Chairman of the Indoor Range Committee.

No one under the age of 18 will be allowed to use the Indoor Range without proper adult supervision and guidance.

There will be no charge for children under the age of 16 years, providing they are accompanied by an adult and share a single shooting booth.

The Indoor Range Committee will establish and control the fee schedule for use of the range by members, non-members and potential renters.

The Range (Safety) Officer ensures proper use per training through a certified NRA Range Safety Officer course. The RSOs duties include Range Inspection, Range Rules, Range Safety Briefings, Emergency Procedures, and properly handling Firearms Stoppages and Malfunctions. If the range is used by other entities such as the DNR for Hunter Education or Boy Scouts of America Shooting Sports activities, those organizations may impose additional requirements above and beyond those laid out above but must not conflict with the Ames Ikes Rules. (Example: Hunter Education Requires 1 instructor per student using the range and a Range Safety Officer)

32. What is the fuel located in the elevated fuel tank used for? Please confirm that the fuel storage tank meets the Iowa DNR requirements for storage and containment.
 - a. **The fuel tank will contain gasoline for the park maintenance equipment, i.e. the lawn mower, weed trimmer, etc.**
 - b. **The fuel tank is a 150-gallon tank, is mounted on blocks and tied down with cable and ground anchors so it will not blow over. In the short period of time we were not able to find any requirements from the Iowa DNR for an above ground storage tank of this size. The DNR website does state the “DNR does not regulate above ground storage tanks (AST). We have calls into the State Fire Marshal’s office to see if they have requirements that we are not aware of.**
33. Chapter 88.10 addresses a screening requirement for garbage containers. No screening is needed if the garbage container is stored indoors and brought out on garbage day.
 - a. **The Ikes board was not aware of the screening requirement for the roll around containers. There are three containers on the site which will require an enclosure, one at the Chapter House, one at the rifle/pistol range and one at the trap/skeet field. Three board members were present on site on March 23, 2020 and the decision was made to construct three enclosures. These will be constructed as soon as possible so that we can be in compliance with the screening requirement.**
34. Were there NRA or any other guidelines followed when putting the Indoor Range in?
 - a. **I do not have access to what NRA guidelines were in place at the time.**
35. Has there been any incidents/injuries with the indoor range?
 - a. **no one has any knowledge of any incidents or injuries at the indoor range**



- b. **We operate the range according to the NRA Range Source Book and the NRA Range Safety Officer materials. With certified RSO's operating the range, who have been trained to safely manage range operations when in use."**

36. What is the general opinion of the indoor range/ is it well accepted?

- a. **All of the comments I received back is that the range is well accepted and liked by all that use it.**

Public notices were mailed to adjacent property owners within 1/4 mile of the proposed site on March 26th, 2020.

Comments from the General Public:

As of April 2nd, 2020, one comment from the public in support of the CUP was received via email. Another citizen called inquiring if they were planning on expanding the use of the range. Informed that they are not planning to expand the use with this CUP.

April 1st, 2020 Planning and Zoning Commission Meeting

Randy Cummings, Jake Strohm, and Carrol McCracken all representatives of Izaak Walton League called into the meeting and were available for questions.

Comments of the Planning and Zoning Commission:

Moss asked if the shooting ranges operate when the campground is being used by the Boy or Girl Scouts. Strohm informed her that the ranges can be used as all shooting is orientated away from the campground. She asked if there is a fee for the Boy or Girl Scouts to camp there. Strohm informed her that part of the Izaak Walton League Charter requires that they sponsor a Boy Scout Troop and a Cub Scout Pack that can use the facilities for no charge. Any other groups do pay to use the facilities. Smith mentioned that the rifle and handgun ranges are generally situated below grade relative to the other uses. Stating you have to go down a stairway to access the rifle and handgun ranges.

On April 1st, 2020 the Story County Assessor's Office informed Planning and Development Staff that the adjoining of the three subject parcels is possible however it could not be completed until after the current assessment cycle is completed and sent to the Auditor. They will work with the applicant to adjoin the parcels at the end of July, early August and Planning and Development Staff will follow-up at that time as well.

Points to Consider for the Conditional Use Permit Request

1. Applicant addressed the need for the shade shelter.
2. Shelter will provide elemental protection for competitors and spectators.
3. The CUP will bring the private gun club from legal non-conforming use to conforming.
4. Traffic impact will be limited.
5. No environmental impacts are expected.
6. Applicant recently hired third-party to clean-up lead at the indoor range.

Conditions of Approval

Chapter 90.05: Recommendations on Applications

Staff Recommendation:



Story County Planning and Development Staff Recommends approval of the Conditional Use Permit for the Izaak Walton League proposed shelter and existing storage buildings associated with the existing gun club, to include the indoor range, and campground use CUP02-20 with the following conditions:

- The applicant shall apply for zoning permits for all existing structures where there are no zoning permits on county record.
- Adjoining of parcels 0536100420, 0536200305, & 0536400140 to create one parcel with no internal property lines. (This will be completed late July or early August due to the assessment cycle the county is currently in. P&D staff was informed of this on April 2nd, 2020 by the county Assessor’s Office.)

State of Iowa Planning and Zoning Commission Requirement

State of Iowa Code 657.9 Shooting Ranges:

Before a person improves property acquired to establish, use, and maintain a shooting range by the erection of buildings, breastworks, ramparts, or other works or before a person substantially changes the existing use of a shooting range, the person shall obtain approval of the county zoning commission or the city zoning commission, whichever is appropriate. The appropriate commission shall comply with section 335.8 or 414.6. In the event a county or city does not have a zoning commission, the county board of supervisors or the city council shall comply with section 335.6 or 414.5 before granting the approval.

A person who acquires title to or who owns real property adversely affected by the use of property with a permanently located and improved range shall not maintain a nuisance action against the person who owns the range to restrain, enjoin, or impede the use of the range where there has not been a substantial change in the nature of the use of the range. This section does not prohibit actions for negligence or recklessness in the operation of the range or by a person using the range.

Recommendation by Planning and Zoning Commission

At the April 1st, 2020 meeting, in accordance with State of Iowa Code 657.9 Shooting Range requirement, the Planning and Zoning Commission approved the Conditional Use Permit for the Izaak Walton League proposed shelter and existing storage buildings associated with the existing gun club, to include the indoor range, and campground use as put forth in case CUP02-20, with conditions with a 6-0 vote.

Alternatives

The Story County Board of Adjustment may consider the following alternatives:

- 1) The Story County Board of Adjustment recommends approval of the Conditional Use Permit for the Izaak Walton League proposed shelter and existing storage buildings associated with the existing gun club, to include the indoor range, and campground use as put forth in case CUP02-20, as submitted.



- 2) **The Story County Board of Adjustment recommends approval of the Conditional Use Permit for the Izaak Walton League proposed shelter and existing storage buildings associated with the existing gun club, to include the indoor range, and campground use as put forth in case CUP02-20, with conditions.**
- 3) The Story County Board of Adjustment recommends denial of the Conditional Use Permit for the Izaak Walton League proposed shelter and existing storage buildings associated with the existing gun club, to include the indoor range, and campground use as put forth in case CUP02-20.
- 4) The Story County Board of Adjustment remands the Conditional Use Permit for the Izaak Walton League proposed shelter and existing storage buildings associated with the existing gun club, to include the indoor range, and campground use as put forth in case CUP02-20, back to the applicant for further review and/or modifications, and directs staff to place this item on a future Story County Board of Adjustment agenda.

Story County Planning and Development

900 6th Street, Nevada, Iowa 50201

(515) 382-7245 — pzweb@storycountyia.gov — www.storycountyia.gov

CUP ~~09-01~~ 02-20

0536100420

0536206305

CONDITIONAL USE PERMITS

0536400140



1. Property Owner*

(Last Name) AMES ISRAIK WALTON LEAGUE

(First Name) _____

(Address) 2066 STAGECOACH ROAD

(City) AMES (State) IA (Zip) 50010

(Phone) 515-290-5745 (Email) N/A

2. Applicant (if different than owner)

sent email to Randy C. 12-10-19

(Last Name) CUMMINGS

(First Name) RANDY

(Address) 800 CRESTVIEW AVE

(City) STORY CITY (State) IA (Zip) 50248

(Phone) 515-291-0308 (Email) rcummings-pics@hotmail.com

3. Property Address 2066 STAGECOACH ROAD

Parcel ID Number(s)

4. Certification and Signature

I/we certify that the information and exhibits submitted are true and correct to the best of my knowledge and that in filing this application I am acting with the knowledge, consent and authority of the owners of the property. Pursuant to said authority, I hereby permit County officials to enter upon the property for the purpose of inspection.

*Acknowledgement of property owner is required and may occur via email or by signature of this application.

Property Owner Signature [Signature] ^{BOARD member}

Date 11/25/2019

Applicant Signature [Signature]

Date 11/25/2019

RESUBMITTAL

3/16/2020

There are 3 types of CUP Modifications: insignificant, minor, and major. The Director of Planning and Development makes the determination of the type. Insignificant modifications are reviewed by the director. Minor modifications are reviewed by the Board of Adjustment. Major modifications are considered new conditional use applications and follow the same review process as a new conditional use permit application.

New Conditional Use Permit

Conditional Use Permit Modification

Proposed Conditional Use: _____

Previous CUP and Number: 09-01

Submittal Requirements:

Submittal Requirements:

- Attend conceptual review meeting (prior to submittal of CUP application, see conceptual review application and deadline on Planning and Development website)
- Filing Fee (required prior to processing): \$275
- Site development plan
- Written narrative explaining justification for proposed conditional use permit and conformance to the standards for approval in Section 90.04 of the Story County Code of Ordinances.

- Filing Fee (required prior to processing) : \$50 (If determined to be a minor modification by the Planning and Development Director, the fee amount is \$175.)
- Site development plan
- Written narrative explaining modification of approved conditional use permit and response to the standards for approval in Section 90.04 of the Story County Code of Ordinances.

RECEIVED
NOV 23 2019
STORY CO. PLANNING & DEVELOPMENT

Receipt No. 570249
Receipt Amount 50

570249
11/25

Referral Request
11/16/20

The following information is being provided in response to the Conceptual Review Comment Sheet dated January 9, 2020 as prepared by Mr. Jerry Moore with Story County Planning & Development for the Ames Izaak Walton League facility located at 2066 Stagecoach Road in Ames Iowa. Four board members of the Ames Izaak Walton League, Jake Strohm, Caroll McCracken, Tod Bertram and Randy Cummings were present at the meeting along with Carson Cummings, Boy Scout with Troop 101 in Story City Iowa for this informational meeting concerning a Conditional Use Permit for two new structures to be located on the existing Ames Ikes Site. The following information is accurate to the best of our knowledge of the site for the last 18 years.

Response to the Conceptual Review Comments:

Item:

1. This item was for informational purposes only and discussed the Conditional Use Permit issued in 2002 for the park resident mobile home and the chapter house.
2. The County's ordinance Chapter 91.02 indicates that nonconforming uses shall not be enlarged upon, expanded or extended.
 - a. The site of the Ames Ikes has not been enlarged or expanded since its inception in 1950. The site has contained a park resident facility, archery area, chapter house, rifle range, camping area and trap and skeet range since its inception. The Ames Ikes are not trying to expand the land area of the facility but are trying to maintain and or upgrade the existing facilities and construct the two new structures, the roof structure at the trap and skeet field for the members amenity and the garage for needed equipment storage so the park can be kept up in pristine condition and offer a place for members and non-members to have a place to explore nature and the many outdoor activities offered by the facility.
3. Since approval of the CUP in 2002, from review of aerials a few structures have been (including shipping containers) and paved shooting station areas have been added and/or expanded.

Note: The current members have used Google Earth to try to determine the changes on the property, but we were only able to find aerial documentation dated 1994 and then from 2002 through 2018.

- a. Paved shooting station lanes:
 - i. The concrete shooting lanes for range #1 (east range) were placed in 2009. The shooting lanes replaced individual concrete yardage pads with a continuous lane, i.e. sidewalk for better and safer access for the shooters.
 - ii. The concrete shooting lanes for range #3 (west range) were placed in 2016. These lanes also replaced individual concrete yardage pads for the shooters.
 - iii. Note: All three trap houses have been in place we believe since the Ames Ikes was established. The east and west lanes had small individual concrete pads for the shooting stations prior to the installation of the shooting lanes. The #2 range had the concrete shooting lanes prior to 2002. The concrete walkways are again an amenity added for safe access and convenience due to the

increased number of high school shooters who began using the facilities when trapshooting was introduced as a high school sport.

- b. Shipping Containers:
 - i. Trap area: In 2017 an overseas storage container was placed at the east side of the trap area for temporary storage of the targets. The increased number of shooters required the trap fields to have a larger number of targets stored for use.
 - ii. Rifle Range: In 2014 or 2015 an overseas container was placed at the rifle range for the storage of the rifle range targets and materials.

 - c. Fence at the Trap/Skeet Field:
 - i. The photographic images of 1994 do not show the fence between the skeet field and number 2 trap field. The photo dated 2002 does show the fence. The current board members do not know the exact date the fence was constructed. In review of the County's Ordinance Chapter 88, section 88.07 fences may not exceed 8'-0" in height. This fence is for safety between the skeet field and the trap fields allowing use of both simultaneously. The height of the fence is 8'-0" tall at its highest point. This fence was constructed for the safety of the shooters in both the trap area and the skeet field.

 - d. Roof Structure at the Trap Field:
 - i. The small roof structure at the trap and skeet field appear in the photographic images in 2012. This structure is approximately 8'-0" wide and 12'-0" in length and is a gable roof structure, open on the sides. The structure accommodates a single picnic table and was constructed as an Eagle Scout project. The exact date of construction can be obtained from Mrs. Jaynes, an employee of Story County Planning & Development whose son was the Eagle Scout who constructed the structure.

 - e. Storage Building at Campground:
 - i. There is a small, approximately 8'-0"x8'-0" skid mounted storage shed next to the campground shelter building which is used by the Boy Scout Troop to store camping items.
4. To address the proposed 18x12 shelter structure and other structures and shooting station improvements, a CUP application submittal will be required. The CUP will be reviewed by County staff, staff report prepared, Planning and Zoning Commission recommendation to the Board of Adjustment who acts on the request. Planning staff sends public notice to all property owners within a ¼ mile. The process will take the nonconforming use (shooting ranges, gun club) to a permitted use under the County's current zoning standards.
- a. This was informational only and we didn't believe there was a response required.

5. Please submit the CUP application, fee (\$275.00) and written findings of fact from the Story County Land Development Regulations Chapter 90.04.

The following items are the findings of fact as we understand them:

5.1 Compatibility:

The existing Ames Ikes facilities include the mobile home for the park tenant, the chapter house, archery range, rifle range, campgrounds and trap / skeet fields. These areas are largely invisible from the public gravel road and adjoining properties due to the existing timber which screens the entire complex. The existing structures are compatible with the character of the zoning district and immediate vicinity and do not interfere with the development and or use of adjacent properties. The Ames Ikes would like to construct the following new structures:

a. Trap and Skeet Range:

- i. A local Eagle Scout has proposed to construct a single slope roof structure at the trap / skeet range. This structure would be 18'-0" long and 12'-0" in depth and would provide additional shelter for spectators and users. This structure would supplement a similar structure, also an Eagle Scout project to provide additional shelter and is not meant to increase spectators or users but simply provide more shelter from the sun and or rain for parents or spectators. Attached is a sketch of the structure the Scout wishes to construct.

b. Park Residence Storage Building:

- i. The second structure the Ames Ikes would like to construct is a 24'-0"x28'-0" storage building in the vicinity of the park residence's mobile home. This structure would be for the storage of the lawn equipment for the park and storage for the park residence's personal property. The construction for this building would be a pole barn building with a concrete floor. Lighting would be provided and installed in the building at a later time.

Note: No floorplans or drawings have been prepared for this structure as it is only in the initial stages of planning.

5.2 Transition:

The Ames Ikes facility is located in a heavily wooded area therefore the property and the existing structures cannot be viewed from the roadway or the surrounding properties. The existing structures all appear to have adequate setback from the property lines and with the existing trees seem to be naturally screened from persons on the roadway or on adjacent properties. The location of existing structures can be seen on the attached site layout.

5.3 Traffic:

The property is accessed from Stagecoach Road. The property has a gravel road that provides access to the different areas of the park. The road is maintained by members and or the park tenant. The road is wide enough for vehicles to pass when meeting. The Conditional Use Permit application of 2004 states "The Story County Engineer had no concerns about ingress / egress,

vehicular and pedestrian safety and convenience, traffic flow and control, emergency access. No new facilities are proposed at this time that would increase traffic above existing levels". We the board members believe that this statement is still applicable for the park today. The traffic counts for park activities have been outlined in the below:

Estimated traffic counts for scheduled events at Ames Izaak Walton League NOT counted on the Average daily visits to the property by random members. (See #11)

- 1) Board Meetings, Once Monthly, 20 Vehicles
- 2) Boy Scout Meetings, Twice per month, 20 vehicles
- 3) Chapterhouse Rentals, 10 Per year, 20-30 vehicles
- 4) Hunter Education, 2 session per year, 3 days each, 30-40 vehicles
- 5) Arbor Day Tree Packaging, 1 per year, 20 vehicles
- 6) Archery Clinics 2 per year, 10 sessions, 10 vehicles
- 7) Member trap and Skeet, weekly weather permitting, ~40 weeks, 20 vehicles,
- 8) Scholastic Trap and Skeet, Seasonal, 5 days per week, ~16 weeks, 30 vehicles
- 9) ISU Trap and Skeet, Year-Round weather permitting Thursdays, ~40 weeks, 20 vehicles.
- 10) Indoor Range use, December-March, twice per week, 5 vehicles.

5.4 Parking & Loading:

All parking is off street and is contained within the boundaries of the park. Each of the areas, archery, chapter house, park resident, rifle range and the trap and skeet fields have graveled parking areas for persons using the facility. The parking in these areas is screened by the natural vegetation of the park. The parking areas are adequate for the number of persons attending a given event. The parking area for each of the above-mentioned areas is depicted on the map.

5.5 Signs & Lighting:

There is existing lighting in the following areas:

- i. Entry gate and sign: Residential type yard light
- ii. Park resident: Residential type yard light
- iii. Chapter House: The Chapter House has exterior lights at the entry door and shares the yard light with the park resident facilities. Neither of these light sources illuminate past the property line and also the natural vegetation blocks light from being able to shine on any of the surrounding properties.
- iv. Campground
 - a. The campground has a single yard light for the campground. This light is only utilized in the summer months when the campground is open.
- v. Trap / Skeet range: The trap / skeet range has four wooden poles with stadium type lighting to illuminate the trap and skeet ranges for night shooting. These light fixtures do not illuminate past the property lines and also natural vegetation, i.e. trees block the lighting from adjacent properties. Also, the lights do not provide any up lighting and the range hours in the peak shooting months are until 9:00 PM.

- vi The only new lighting expected would be interior lighting in the park resident / storage building if it is constructed. The interior lighting would be utilized for the convenience of the park resident and any volunteer who would get the equipment from the building

5.6 Environmental Protection:

The use of the property today does not generate excessive noise, vibration, dust, smoke, fumes, odor, groundwater pollution or other undesirable, hazardous or nuisance conditions. The site is kept mowed and maintained by members. The roads usually have new gravel added yearly if not more often. The natural vegetation of the park provides wildlife a place to live throughout the year.

- 6. Provide aerial or sketch drawing showing location, setback from property lines, and identify the use of all structures (including shipping containers). Also label the use of each activity area (i.e. pistol, rifle, shotgun, bow and arrow).

See Attached Map

- 7. Provide a copy of any federal and or state law or guidelines used to determine the location and use of all structures and activity areas.

At this point the members are not aware of any state or federal guidelines that would be required. The ranges and the trap fields are existing, and the only information is for new facilities to be constructed.

- 8. The General Site Planning Standards in the County's Ordinance Chapter 88 may be applicable to existing and proposed improvements.

After review of Chapter 88 we offer the following remarks:

88.01 General Regulations

Informational Only

88.02 Street Specification Standards

This section discussed ne streets for developments, so we felt this section did not pertain to this application.

88.03 Lots

This section discussed building lots, so we felt this section did not pertain to this application.

88.04 Access Requirements:

- 1. Driveways off Existing County Roads – This section discussed new driveways off county roads must maintain a 300-foot access separation. The existing entrance is no closer than 300 feet from either the drive on the north or the drive to the south. We believe this requirement has been met.

88.05 Environmental and Natural Resource Standards:

1. Easements Along Streams: No stream or major surface water is being disturbed on the site.
2. Protection of Natural Vegetation or Cover: No trees or natural vegetation are being removed for the garage or the roof structure.
3. Common Open Space Requirements: No development of lots is occurring and the natural vegetation on the site is greater than 15% of the site.
4. Erosion Control: Neither the garage nor the roof structure will disturb an area of more than one acre, so we do not believe that a Pollution Discharge permit is required. We do believe that it would be in the best interest of the park to use silt socks (filter tubes) when excavating for the building footings. The roof structure will be augured piers and the location is in the gravel parking lot.
5. Storm Water Management and Water Quality: The site has very little paved area and the areas that are paved are surrounded by grass. Because the site is almost all-natural vegetation the rain and snow melt are allowed to saturate into the ground and therefore run off is minimal.

88.06 Vision Clearance:

The entrance to the park is the only area where we felt this section would be applicable. The entrance to the park has a sign and gate but neither obstruct the view of the southbound or northbound vehicles. The sign and gate both are set back from Stagecoach Road.

88.07 Fences and Walls:

The fence on the property is located at the trap / skeet range and is located between the skeet field and trap range number 2. The fence is constructed of wood and is for the safety of the people on the trap and skeet ranges. Also reference Item 3.c above for further description.

88.08 Parking and Circulation Standards:

1. – 6: There are designated handicap parking spaces at each of the chapter house, rifle range and the trap / skeet field. The parking areas are all gravel and therefore there is no parking stall designations.
7. The deliveries to the site are very limited and usually only for the trap / skeet range targets and this usually occurs twice a year. These deliveries do not have any adverse effect on the adjoining properties.
8. Not applicable to this site.
9. Not applicable to this site.
10. Distances from property lines and right of way: The drive is at least 5 feet from the property line of the adjacent properties and the entrance drive is 50 feet from the intersection of two streets right of way.
11. Parking Lot Landscaping: Due to the natural vegetation on the site we believe the minimum landscaping requirement(s) for Section 88.11 .2 and 3 are being met.

12. Because there are no paved parking areas on the site the aisle width and stalls are not designated like one would find on a paved lot. Table 88.5 Parking Ratios by Type indicated the following parking ratios for Shooting / Rifle Ranges:

Shared Target Facility requires three spaces for each. For the trap / skeet fields there would be four total target facilities but only three could be used simultaneously since trap #3 shares the skeet field. Therefore, we believe that 9 total spaces would be required but there is a large enough area to accommodate more than 9 vehicles at any one time.

88.09 Site Lighting:

A description of the lighting on the site was given in Section 5.5 Signs & Lighting above. After review of Section 88.09 we do not believe the lighting on the site violates any of the lighting requirements in Section 88.09.

9. Provide a copy of the gun club rules and use of the facility.

(This information is publicly available on the Ames Izaak Walton League located here: <http://www.amesikes.org/>)

GENERAL PARK RULES (Approved June 12, 2007)

Facilities are for the use of members, their families and guests. Guests are not expected to be continuous users of the facilities and are encouraged to become members. (Note that Rule 10(a) excludes guests from fishing.) The following rules must be observed:

GATE POLICY:

The gate is operated by Ikes issued member key fob. There is also a numeric keypad entry pad for special events and emergency personnel access. The gate will close automatically after entry/exit and open automatically as you approach to leave the park. For special events, the gate will be left open (i.e. Field Days) and returned to normal operation by those responsible at the end of the event. Remember that you've paid for the privilege, do not loan/give your key fob to anyone else for access to the park.

- Keep the grounds and facilities clean. Remove all trash and garbage and place in dumpsters or other containers provided.
- Do not burn garbage in fireplaces or barrels.
- Do not throw garbage in toilets.
- Replace picnic tables where you found them.
- Fires are permitted only in personal grills, or the fireplaces and fire rings provided. Fires must be extinguished when the campsite or picnic area is vacated. Extreme caution is to be used during dry weather.
- Do not pick or damage flowers, trees, or shrubs.
- Swimming is strictly prohibited.
- Boating regulations, in addition to those prescribed by state law, include:

- All motors are prohibited.
- Boats must be removed from park after use.
- No hunting (except lkes coordinated special bow hunts). Use of firearms is limited to the various ranges where all of the range rules must be strictly observed.
- Fishing regulations, in addition to those prescribed by state law, include:
- Fishing privileges are limited to members and their families.
- Use of minnows for bait is prohibited; placing of fish, chemicals, trash or foreign matter in or near the lake is prohibited.
- No more than one pole or rod, line and lure or baited hook may be used by any person.
- No dogs are allowed in the park, unless on a leash. Except that handlers of hunting dogs may use the park facilities for training purposes in accordance with state regulations. During such training periods a leash will not be required; however, the handler is expected to keep the dog under control so as not to interfere with other park users or wildlife. In an effort to protect nesting areas, all training will be limited to the area south and west of the trap and skeet range road and north of the lake, and in the north bay of the lake. All training will be prohibited for the period March 1 through July 1.
- No alcoholic beverages or intoxicated persons are allowed in the park.
- All motorized vehicles will be driven only on the park roads and approved parking areas.
- Violation of the foregoing regulations will be grounds for suspension of all recreational privileges in the park.
- Rules may be modified at any time at the discretion of the board of directors without notice.

Every reasonable precaution has been taken to provide for your safety and enjoyment. The Ames chapter assumes no responsibility for accidents, damage or loss of property.

BY ORDER OF THE BOARD OF DIRECTORS

IZAAK WALTON LEAGUE OF AMERICA, INC., AMES CHAPTER

The following Rules apply to the Outdoor range (A combination of a Pistol range and Rifle Range separated by different shooting directions)

- This is a section of the general rules cover the usage of the outdoor ranges, these rules must be followed by all users of the outdoor range at all times the range is in use.
- OUTDOOR RIFLE & HANDGUN RANGE RULES
- All general park rules will be observed, and the following special rules will be observed at the outdoor rifle and handgun range.
- Only members may use the range except during club-sponsored events. A member may bring a guest up to 2 times per year.
- Shooters must display their current membership card upon request.
- Shoot only at targets placed on the target stands or properly attached to the target frames (see on back) or placed at the base of the berms.
- The outdoor range committee has deemed the following items as inappropriate for use as targets: rocks, concrete blocks, glass objects, bricks, golf balls, computer parts, compressed gas cylinders, CD's, or any item the range committee may determine to be unsafe or inappropriate.

- Non-paper targets (cans, plastic containers, clay birds, etc.) must be placed on the target stands or at the base of the berms – not on the target frame.
- Shooters will not use any binary or any other type of explosive target.
- Shooters will not use any type of cannon, rifle attached launcher, golf ball launcher, or any other device or item that will act as a form of mortar.
- Shooters will retrieve and dispose of ALL used targets in the provided garbage dumpster.
- No firing of shotguns with shot loads (slugs are permitted).
- No tracer ammunition is permitted.
- No fully automatic or simulated automatic fire allowed, except during club sponsored events.
- Only .22 rimfire guns may be fired at the 40M, 60M, 77M, & 100M silhouette berms, except during club sponsored events.
- Minors must be under the supervision of an adult.
- Safe gun handling rules and etiquette must be observed.
- Shooters are expected to enforce these rules by asking violators to discontinue shooting and reporting the violations to the Board of Directors.
- Anyone under the age of 18 will not be allowed to use the Outdoor Range without proper adult supervision and guidance.
- Shooters that do not observe and follow these rules may lose their range privileges by action of the Board of Directors.

The following rules apply to the Trap and Skeet Range

TRAP AND SKEET RANGE SAFETY RULES

- All guns are to be unloaded and kept in the gun racks where provided with actions open until the shooter is ready to enter the shooting station.
- Guns are to be unloaded before the shooter leaves the shooting station.
- Guns will be unloaded on command from the scorekeeper or safety officer.
- Hearing and eye protection are required for shooters and observers.
- No one under the age of 18 will be allowed to use the Trap and Skeet Range without proper adult supervision and guidance.
- Decisions of the management in regard to scoring, competitive rules and any other disputes are final.
- Shooters assume the responsibility for their own equipment.
- Shooters are to retrieve their empty shell cases.
- Shooters should report any unsafe shooting conditions or unsafe gun handling immediately to the management.
- Sponsors of tournaments and events may determine specific rules for their events.
- Regular use Shot Shell limits are as follows:
- Lead shot size no larger than 7 ½, or steel shot size larger than 6

The following rules Apply to the use of the Chapter Campground

- Campground usage: Camping is available in semi-primitive area with limited electricity available.

- Campers to follow all park rules as presented by the board.
- Registration forms are at the campground area and are required for all camping units.
- Camping facilities are available only for park members and their immediate families.
- Camping is permitted only in designated area. Additional camping space available for short term at the discretion of the board.
- The use of camper air-conditioners in the park is prohibited due to limited power and additional costs.
- Camping sites are not to be used for storage of campers. The sites are intended for the use of members wishing to enjoy the park.
- Camping units may not remain unoccupied within the park for more than five consecutive days, and then only if planning to camp at the end of that time.
- Camping will be limited to 14 consecutive days in a specific area and 21 consecutive days in the park. Campers will then be required to leave the park for a minimum of 48 hours.
- Campers are prohibited from crossing roadways with electrical cords. When camping units are unoccupied, electrical cords should not run across areas to be mowed. The cords should be disconnected if at all possible. The Izaak Walton League cannot be held responsible if the power should fail.
- Members using the camping area are asked to be responsible for the area by volunteering their time on the maintenance of the camping and shelter house area. Contact the Grounds and Equipment Committee for the use of park equipment.
- No one under the age of 18 will be allowed to use the Campground without proper adult supervision and guidance.
- Be considerate of others so that everyone may enjoy the out-of-doors.

There are other item specific rules that are posted at specific areas of the park. For example, Broadheads are not allowed on the Archery range. Shelter usage is on a first-come, first served basis.

10. Provide information regarding hours of operation and annual activity schedule.
Access to the park is allowed at any time for members through the key fob activated gate. Since there is camping allowed by members, there is no restriction to when they may enter or leave the park. Previously defined in the Rifle and Pistol range rules, shooting can start at 7:30 AM and end at dark. Trap and skeet usage are primarily afternoon and evening activities. The trap and skeet ranges are lit, so evening shooting past dark in the fall is typical. Most all shooting at the trap and skeet range ends before 10pm.
11. Provide average daily number of visits to the property.
Ames Ikes Membership varies year to year and season to season as people can sign up at any time of the year. Our 3-year trend for membership is approximately peaking at 750 members per year.
Average daily gate entry is 20 per day. This includes the park resident's daily use as he lives on the property. This number includes the entry of leaders of activities listed in item #10 before

they lock the entry gate open for the activity. Weekend usage is higher and so is usage on days where weather is more conducive to the desired activity.

12. Is there any lighting on the property?

Refer to Item 5.5 Signs & Lighting, above for the description of lighting on the site.

13. What practices are used to clean gunshot from the property?

The indoor shooting range was cleaned out in the fourth quarter of 2019 by a lead reclamation company. This company was able to reclaim approximately 3000 lbs. of lead from the range. This company will investigate the feasibility of reclaiming lead from the rifle and pistol range when the weather permits.

14. Has there been any complaints within the last few years regarding the use of the property? If so, how were they addressed?

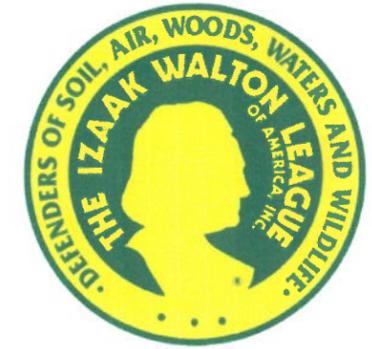
The members asked about this question did not have any knowledge of any complaints within the last few years.

15. Is the property used by other persons or organizations in addition to Izaak Walton league members?

One of the requirements of a non-profit organization is to let other organizations outside of the Izaak Walton League use the facility for various functions. Therefore, we do allow other organizations such as the Boy Scouts, 4H, Johnny Appleseed, the Department of Natural Resources, various high schools and the Iowa State Trap club, Women of the Wild and others use the facility. Typically, a member or members are present when one of these organizations use the facility.

16. Are there future plans to further expand the use of the property?

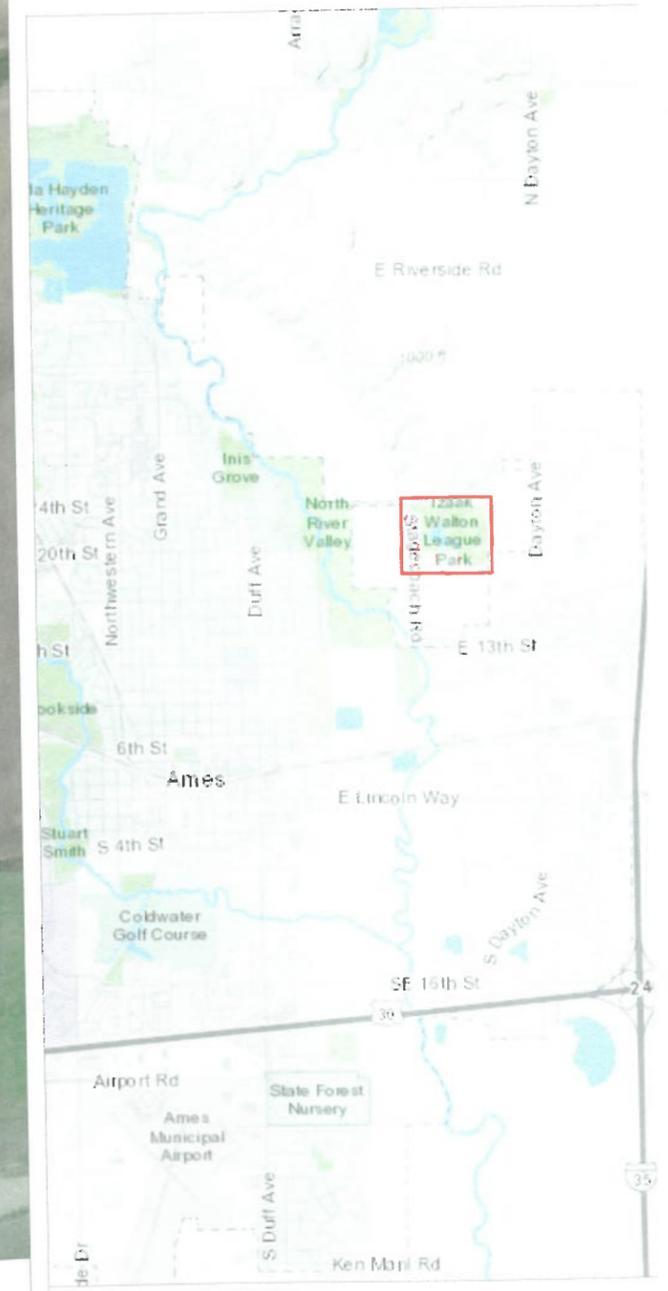
As current Ames Ikes members there are no plans to expand the use of the property, i.e. add additional amenities such as trap houses, rifle shooting stations, archery areas, etc. The only thing we as a board want to expand is the membership of the Ames Ikes to ensure that current and future generations will have places like the Ames Ikes to be able to explore the outdoors and learn to preserve and enjoy nature.



The Izaak Walton League of Am

Page 1 of 1

1 inch = 200 feet



Overview

1 in = 1 miles

Created By: BN Date: 3/10/2020

Sources: Story County, ESRI, Bing, DeLorme, IA DNR

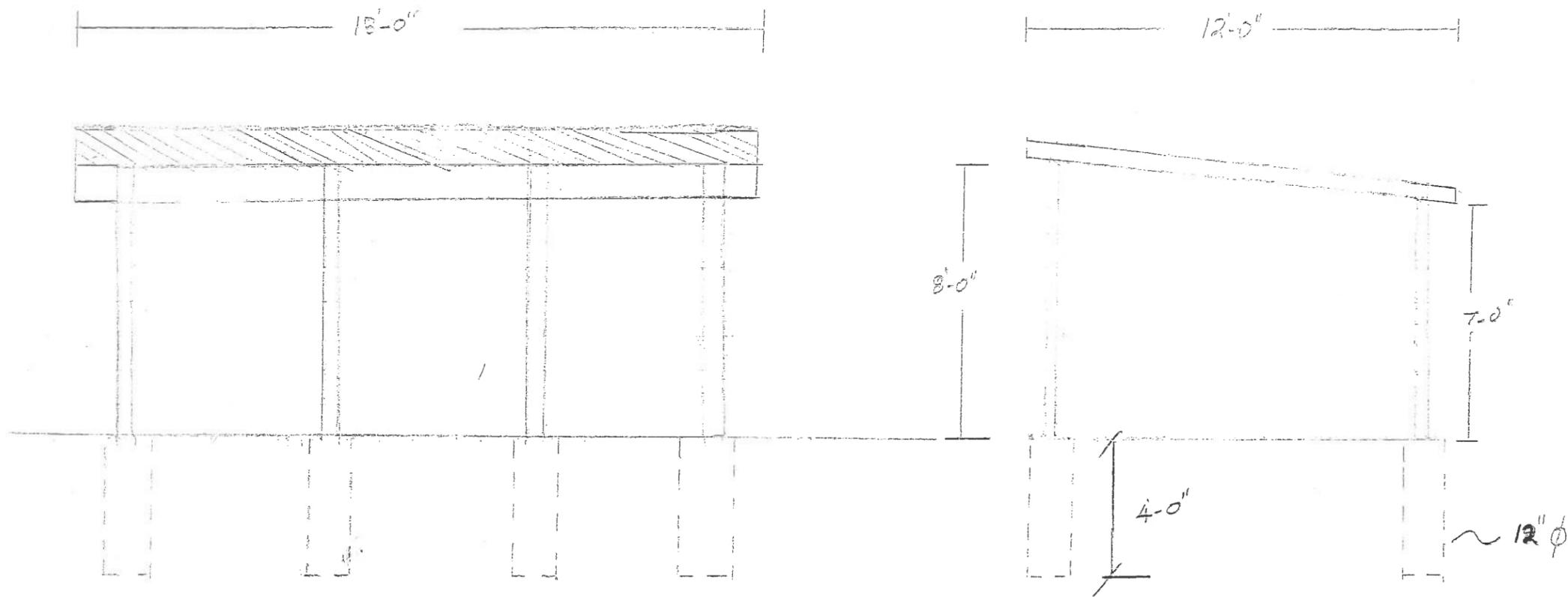


Legend

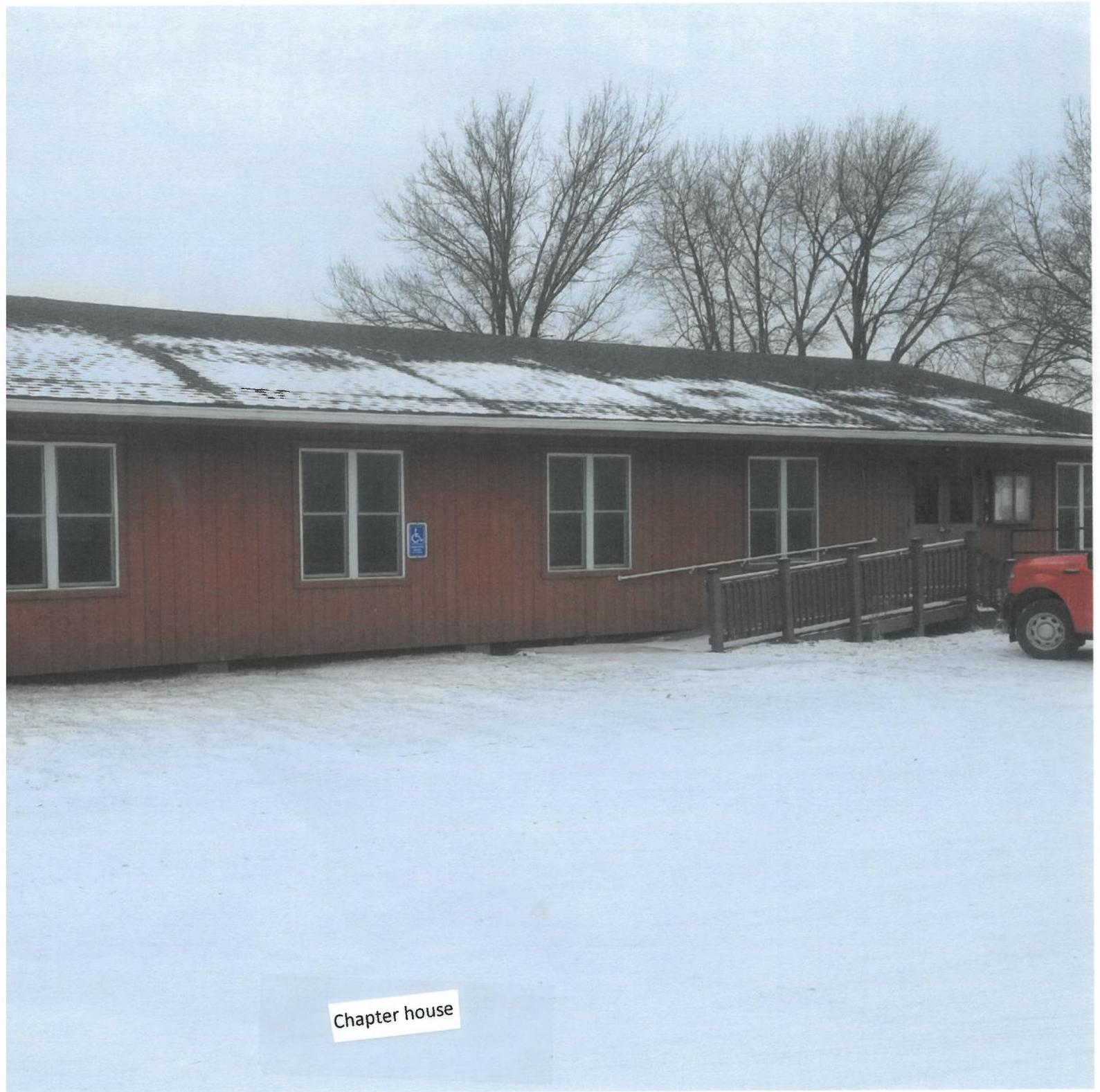
- Parking
- Propane Tank
- Shelter
- Storage
- Skeet House
- Trap House
- Fences
- Building
- Range
- Property Line



PROPOSED EAGLE SCOUT PROJECT
BARSON CUMMINGS
TROOP 101



FOOTINGS:
12" φ
4-#4 REINFORCING STEEL
(TYPICAL)



Chapter house

Quill.com

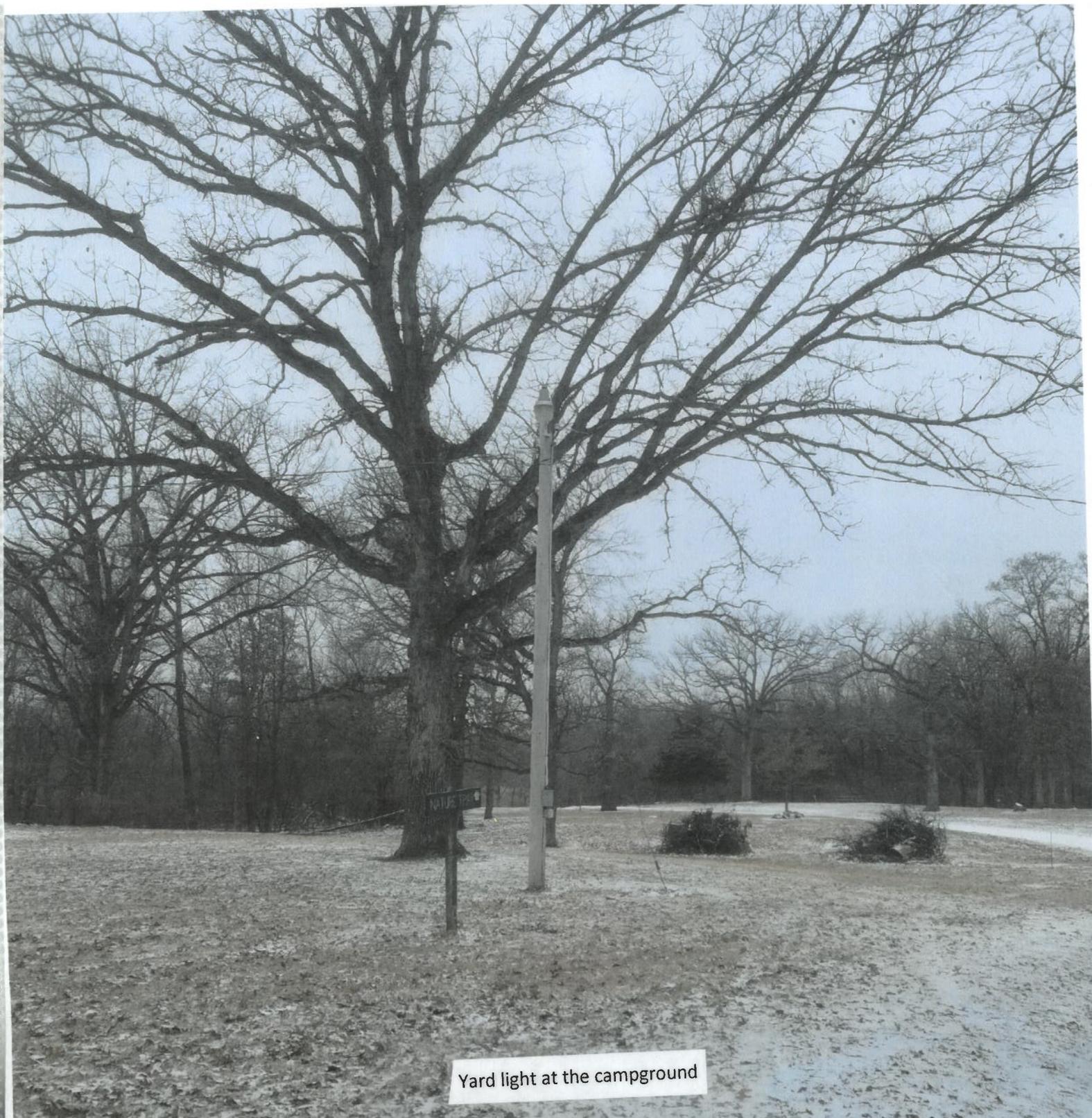












Yard light at the campground











Area between trap house #1 (left) and trap house #2





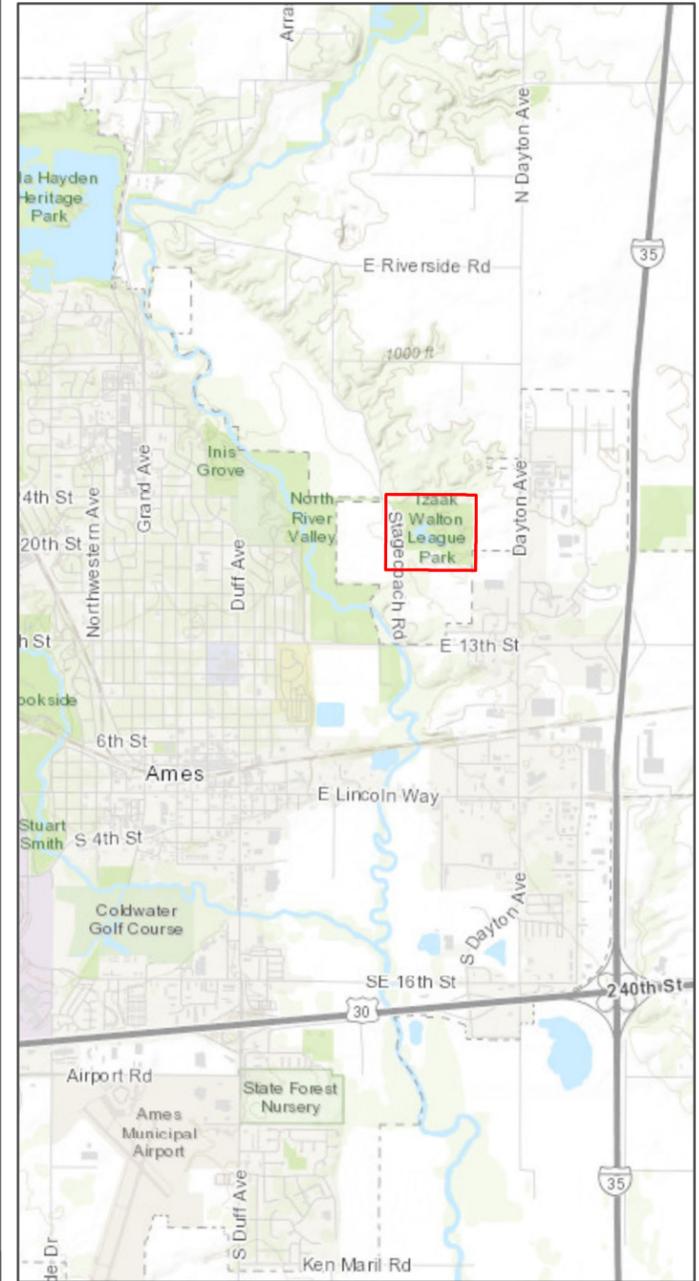
Quill.com





The Izaak Walton League of Ames

Page 1 of 1
1 inch = 200 feet



Overview

1 in = 1 miles















Welcome to the Ames Hunt Trap & Shoot Ranges
RANGE RULES









Storage Containers
For Sale or Rent
877-391-4064

MSCU 192779 2
2261

M. G. W. 30.480 KGS
TARE 67.200 LBS
2.280 KGS
5.030 LBS

NET 28.200 KGS
CU. CAP. 62.170 LBS
33.2 CU.MT.
1.170 CU.FT.



Ames Izaak Walton League

Chapter House Parking

EX41317 B



2066 Stagecoach Rd

Google Earth

© 2020 Google

100 ft

Ames Izaak Walton League

RIFLE / PISTOL RANGE

Chapter House Parking

EXHIBIT B



Google Earth

© 2020 Google

Ames Izaak Walton League

IWA / Skeet
Chapter House Parking

EXHIBIT B



Google Earth

© 2020 Google

Izaak Walton League

ADA Parking Stall Locations

ADA Parking - Rifle / Pistol Range



ADA Parking - Rifle / Pistol Range

ADA Parking - Chapter House



ADA Parking - Trap & Skeet



Entry gate yard light



Entry gate yard light

Google Earth

© 2020 Google



700 ft



AMES IZAAK WALTON LEAGUE

DEFENDERS OF SOIL, AIR, WOODS, WATERS, AND WILDLIFE

Events

-- All Categories --



2019

View



HUNTER EDUCATION

Mar 26	Hunter Education Class Location: Ames Ikes Chapter House Time: 5:30 PM - 8:30 PM (Hunter Education Class)
Mar 28	Hunter Education Class Location: Ames Ikes Chapter House Time: 5:30 PM - 8:30 PM (Hunter Education Class)
Mar 30	Hunter Education Class Location: Ames Ikes Chapter House Time: 8:00 AM - 2:00 PM (Hunter Education Class)
Jul 13	Wingshooting Seminar Location: Chapter House and Trap&Skeet Range Time: 8:00 AM - 5:00 PM
Aug 20	Hunter Education Class Location: Ames Ikes Chapter House Time: 5:00 PM - 9:00 PM (Hunter Education Class)
Aug 22	Hunter Education Class Location: Ames Ikes Chapter House Time: 5:00 PM - 9:00 PM (Hunter Education Class)
Aug 24	Hunter Education Class Location: Ames Ikes Chapter House Time: 8:00 AM - 2:00 PM (Hunter Education Class)

**Non Ikes
Members,
20 per session**

CONSERVATION EVENTS

Apr 25	Tree/Shrub Packaging for Arbor Day Location: Ames Ikes Chapter House Time: 6:30 PM - 10:00 PM
--------	--

20 People 1/2 Ikes members

Sep 20 - Sep 21

Wild Women Of The Woods

Location: Chapterhouse/Indoor Range

Time: 09/20/19 at 5:00 PM - 09/21/19 at 5:00 PM (Set up Friday Eve, Activity Saturday)

OUTDOOR RANGE

Jan 13

Ames Ikes IDPA Match

Location: Outdoor Range or Indoor Range - Weather depending

Time: 9:00 AM (Ames Ikes IDPA Match)

15 Members Per event

Jan 20

SKunk River Practical Rimfire Match

Time: 8:00 AM - 12:00 PM

10 Non Members Per event

Feb 10

Ames Ikes IDPA Match

Location: Outdoor Range or Indoor Range - Weather depending

Time: 9:00 AM (Ames Ikes IDPA Match)

Mar 10

Ames Ikes IDPA Match

Location: Outdoor Range or Indoor Range - Weather depending

Time: 9:00 AM (Ames Ikes IDPA Match)

Apr 10

Steel Match

Location: Outdoor Range

Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

6-12 1/2 Ikes members

Apr 14

Ames Ikes IDPA Match

Location: Outdoor Range or Indoor Range - Weather depending

Time: 9:00 AM (Ames Ikes IDPA Match)

Apr 17

Steel Match

Location: Outdoor Range

Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Apr 27

Project Appleseed Rifle Training

Location: Outdoor Pistol and Rifle Ranges

Time: 8:00 AM - 5:00 PM

24 People, Members 90%

Apr 28

Project Appleseed Rifle Training

Location: Outdoor Pistol and Rifle Ranges

Time: 8:00 AM - 5:00 PM

May 1

Steel Match

Location: Outdoor Range

Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

May 8

Steel Match

Location: Outdoor Range

Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

May 12

Ames Ikes IDPA Match

Location: Outdoor Range or Indoor Range - Weather depending

Time: 9:00 AM (Ames Ikes IDPA Match)

May 15

Steel Match

Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

May 22 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

May 29 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Jun 5 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Jun 9 **Ames Ikes IDPA Match**
Location: Outdoor Range or Indoor Range - Weather depending
Time: 9:00 AM (Ames Ikes IDPA Match)

Jun 12 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Jun 15 **Project Appleseed Rifle Training**
Location: Outdoor Pistol and Rifle Ranges
Time: 8:00 AM - 5:00 PM

Jun 19 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Jun 26 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Jul 3 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Jul 10 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Jul 14 **Ames Ikes IDPA Match**
Location: Outdoor Range or Indoor Range - Weather depending
Time: 9:00 AM (Ames Ikes IDPA Match)

Jul 17 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Jul 21 **Skunk River Practical Rimfire Match**
Time: 8:00 AM - 12:00 PM

Jul 24 **Steel Match**

Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Jul 31 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Aug 7 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Aug 11 **Ames Ikes IDPA Match**
Location: Outdoor Range or Indoor Range - Weather depending
Time: 9:00 AM (Ames Ikes IDPA Match)

Aug 14 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Aug 18 **Skunk River Practical Rimfire Match**
Time: 8:00 AM - 12:00 PM

Aug 21 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Aug 24 **Project Appleseed Rifle Training**
Location: Outdoor Pistol and Rifle Ranges
Time: 8:00 AM - 5:00 PM

Aug 25 **Project Appleseed Rifle Training**
Location: Outdoor Pistol and Rifle Ranges
Time: 8:00 AM - 5:00 PM

Aug 28 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Sep 4 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Sep 8 **Ames Ikes IDPA Match**
Location: Outdoor Range or Indoor Range - Weather depending
Time: 9:00 AM (Ames Ikes IDPA Match)

Sep 11 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Sep 18 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)

Sep 25 **Steel Match**

- Location:** Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)
- Oct 2 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)
- Oct 9 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)
- Oct 13 **Ames Ikes IDPA Match**
Location: Outdoor Range or Indoor Range - Weather depending
Time: 9:00 AM (Ames Ikes IDPA Match)
- Oct 16 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)
- Oct 23 **Steel Match**
Location: Outdoor Range
Time: 6:00 PM (6-pm-9:30pm / Weather permitting)
- Nov 10 **Ames Ikes IDPA Match**
Location: Outdoor Range or Indoor Range - Weather depending
Time: 9:00 AM (Ames Ikes IDPA Match)
- Dec 8 **Ames Ikes IDPA Match**
Location: Outdoor Range or Indoor Range - Weather depending
Time: 9:00 AM (Ames Ikes IDPA Match)
- Dec 15 **Skunk River Practical Rimfire Match**
Time: 8:00 AM - 12:00 PM

ISU RIFLE AND PISTOL CLUB

- Jan 9 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)
- Jan 16 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)
- Jan 23 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)
- Jan 30 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)
- Feb 6 **ISU Rifle & Pistol Club**

6-10 Non-members per event

Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Feb 13 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Feb 20 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Feb 27 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Mar 6 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Mar 13 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Mar 20 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Mar 27 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Apr 3 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Apr 10 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Apr 17 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Apr 24 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

May 1 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Aug 28 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Sep 4 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Sep 11 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Sep 18 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Sep 25 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Oct 2 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Oct 9 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Oct 16 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Oct 23 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Oct 30 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Nov 6 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Nov 13 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Nov 20 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Dec 4 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range
Time: 7:00 PM (7pm-9pm)

Dec 11 **ISU Rifle & Pistol Club**
Location: Chapterhouse Basement - Indoor Range

Time: 7:00 PM (7pm-9pm)

INDOOR RANGE

5 Members per event

Jan 3	Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 6:00 PM (6pm-8pm)
Jan 6	Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 3:00 PM (3pm-5pm)
Jan 10	Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 6:00 PM (6pm-8pm)
Jan 13	Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 3:00 PM (3pm-5pm)
Jan 17	Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 6:00 PM (6pm-8pm)
Jan 20	Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 3:00 PM (3pm-5pm)
Jan 24	CANCELLED - Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 6:00 PM (6pm-8pm)
Jan 27	Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 3:00 PM (3pm-5pm)
Jan 31	CANCELLED - Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 6:00 PM (6pm-8pm)
Feb 3	Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 3:00 PM (3pm-5pm)
Feb 7	Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 6:00 PM (6pm-8pm)
Feb 10	Indoor Range - Public Hours Location: Chapterhouse Basement - Indoor Range Time: 3:00 PM (3pm-5pm)
Feb 14	Indoor Range - Public Hours

Location: Chapterhouse Basement - Indoor Range
Time: 6:00 PM (6pm-8pm)

Feb 17 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Feb 21 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 6:00 PM (6pm-8pm)

Feb 24 **CANCELLED - Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Feb 28 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 6:00 PM (6pm-8pm)

Mar 3 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Mar 7 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 6:00 PM (6pm-8pm)

Mar 10 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Mar 14 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 6:00 PM (6pm-8pm)

Mar 17 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Mar 21 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 6:00 PM (6pm-8pm)

Mar 24 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Mar 31 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Apr 6 **Air Rifle Team**
Location: Indoor Range
Time: 6:00 PM - 7:30 PM (First Sat of each month thru August)

3-5 Non Members Per Event

May 4 **Air Rifle Team**
Location: Indoor Range
Time: 6:00 PM - 7:30 PM (First Sat of each month thru August)

Jun 1 **Air Rifle Team**
Location: Indoor Range
Time: 6:00 PM - 7:30 PM (First Sat of each month thru August)

Jul 6 **Air Rifle Team**
Location: Indoor Range
Time: 6:00 PM - 7:30 PM (First Sat of each month thru August)

Aug 3 **Air Rifle Team**
Location: Indoor Range
Time: 6:00 PM - 7:30 PM (First Sat of each month thru August)

Sep 17 **Indoor Range Reserved - Research Project**
Location: Indoor Range
Time: 5:00 PM (5pm-9pm)

Sep 22 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Sep 29 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Oct 6 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Oct 13 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Oct 20 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Oct 27 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Nov 3 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Nov 10 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Nov 17 **Air Rifle Team**
Location: Indoor Range

Time: 12:30 PM - 2:00 PM (Sunday Until April)

Nov 24 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Dec 1 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Dec 1 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Dec 5 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 6:00 PM (6pm-8pm)

Dec 8 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Dec 8 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Dec 12 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 6:00 PM (6pm-8pm)

Dec 15 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Dec 15 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Dec 19 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 6:00 PM (6pm-8pm)

Dec 22 **Air Rifle Team**
Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Dec 22 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

Dec 26 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 6:00 PM (6pm-8pm)

Dec 29 **Air Rifle Team**

Location: Indoor Range
Time: 12:30 PM - 2:00 PM (Sunday Until April)

Dec 29 **Indoor Range - Public Hours**
Location: Chapterhouse Basement - Indoor Range
Time: 3:00 PM (3pm-5pm)

CHAPTER HOUSE RENTALS

These are non-repeating events with no more than 50 people per event, mostly non-members.

Jan 12 **Eric Snyder Family**
Location: Chapter House
Time: 3:30 PM - 7:30 PM

Jan 25 - Jan 26 **American Heritage Girls Overnight Event**
Location: Chapter House
Time: 01/25/19 at 4:00 PM - 01/26/19 at 12:00 PM

May 4 **Matt Randol Memorial Service**
Location: Chapter House
Time: 10:00 AM - 5:00 PM

May 18 **Murphy Event**
Location: Chapter House
Time: 11:00 AM - 6:00 PM

May 26 **Aaron Blair Graduation Party**
Location: Chapter House
Time: 4:00 PM - 8:00 PM

Jun 14 **Girl Scout Day Camp Training**
Location: Chapter House
Time: 4:00 PM - 7:00 PM

Jun 17 - Jun 19 **Girl Scout Day Camp**
Location: Chapter House
Time: 06/17/19 at 1:00 AM - 06/19/19 at 6:00 PM

Jul 12 - Jul 13 **Wing Shooting set-up (Fri) and seminar (Sat)**
Location: Chapter House
Time: 07/12/19 at 12:00 PM - 07/13/19 at 5:00 PM (Set up on Friday for class on Saturday)

Jul 30 **Girl Scout Day Camp Debrief**
Location: Chapter House
Time: 5:30 PM - 8:00 PM

Aug 17 **Johnson Family Event**
Location: Chapter House
Time: 4:00 PM - 10:00 PM

Sep 14 **Elliott party**
Location: Chapter House
Time: 6:00 PM - 8:00 PM

- Dec 14 - Dec 15 Troop 230 Overnight event
 Location: Chapter House
 Time: 12/14/19 at 5:00 PM - 12/15/19 at 9:00 AM
- Dec 28 Worley Visitation
 Location: Chapter House
 Time: 12:00 PM - 5:00 PM

TRAP & SKEET

- Jan 13 Members Trap & Skeet
 Location: Trap & Skeet Range
 Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Jan 20 Members Trap & Skeet
 Location: Trap & Skeet Range
 Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Jan 27 Members Trap & Skeet
 Location: Trap & Skeet Range
 Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Feb 3 Members Trap & Skeet
 Location: Trap & Skeet Range
 Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Feb 3 Members Trap & Skeet
 Location: Trap & Skeet Range
 Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Feb 7 ACSS-T&S
 Time: 6:00 PM - 9:30 PM
- Feb 10 Members Trap & Skeet
 Location: Trap & Skeet Range
 Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Feb 14 ACSS-T&S
 Time: 6:00 PM - 9:30 PM
- Feb 17 SKunk River Practical Rimfire Match
 Time: 8:00 AM - 12:00 PM
- Feb 17 Members Trap & Skeet
 Location: Trap & Skeet Range
 Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Feb 21 ACSS-T&S
 Time: 6:00 PM - 9:30 PM
- Feb 24 Members Trap & Skeet
 Location: Trap & Skeet Range
 Time: 12:00 PM - 2:00 PM (Noon to 2PM)

10 to 15 members per event

30 people per event for all High school trap and skeet events mix of members and non-members.

Feb 28	ACSS-T&S Time: 6:00 PM - 9:30 PM	
Mar 3	Members Trap & Skeet Location: Trap & Skeet Range Time: 12:00 PM - 2:00 PM (Noon to 2PM)	
Mar 7	ACSS-T&S Time: 6:00 PM - 9:30 PM	
Mar 10	Members Trap & Skeet Location: Trap & Skeet Range Time: 12:00 PM - 2:00 PM (Noon to 2PM)	
Mar 14	ACSS-T&S Time: 6:00 PM - 9:30 PM	
Mar 17	Skunk River Practical Rimfire Match Time: 8:00 AM - 12:00 PM	
Mar 17	Members Trap & Skeet Location: Trap & Skeet Range Time: 12:00 PM - 2:00 PM (Noon to 2PM)	
Mar 21	ACSS-T&S Time: 6:00 PM - 9:30 PM	
Mar 24	Members Trap & Skeet Location: Trap & Skeet Range Time: 12:00 PM - 2:00 PM (Noon to 2PM)	
Mar 28	ACSS-T&S Time: 6:00 PM - 9:30 PM	
Mar 31	Members Trap & Skeet Location: Trap & Skeet Range Time: 12:00 PM - 2:00 PM (Noon to 2PM)	
Apr 1	HIGH SCHOOL SCTP Time: 4:30 PM - 9:00 PM	
Apr 2	HIGH SCHOOL SCTP Time: 4:30 PM - 9:00 PM	
Apr 3	Public Trap & Skeet Location: Trap & Skeet Ranges Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)	20-30 Non Members per event
Apr 4	ACSS-T&S Time: 6:00 PM - 9:30 PM	
Apr 7	Members Trap & Skeet Location: Trap & Skeet Range Time: 12:00 PM - 2:00 PM (Noon to 2PM)	
Apr 8	HIGH SCHOOL SCTP	

Time: 4:30 PM - 9:00 PM

Apr 9 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Apr 10 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

Apr 11 **ACSS-T&S**
Time: 6:00 PM - 9:30 PM

Apr 14 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Apr 15 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Apr 16 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Apr 17 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

Apr 18 **ACSS-T&S**
Time: 6:00 PM - 9:30 PM

Apr 21 **Skunk River Practical Rimfire Match**
Time: 8:00 AM - 12:00 PM

Apr 21 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Apr 22 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Apr 23 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Apr 24 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

Apr 25 **ACSS-T&S**
Time: 6:00 PM - 9:30 PM

Apr 27 **Gilbrty HS Trap Meet**
Location: Trap & Skeet Ranges
Time: 8:00 AM - 3:00 PM

Apr 28 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Apr 29 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Apr 30 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 1 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

May 2 **ACSS-T&S**
Time: 6:00 PM - 9:30 PM

May 5 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

May 6 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 7 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 8 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

May 12 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

May 13 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 14 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 15 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

May 16 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 19 **Skunk River Practical Rimfire Match**
Time: 8:00 AM - 12:00 PM

May 19 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

May 20 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 21 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 22 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

May 23 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 26 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

May 27 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 28 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

May 29 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

May 30 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Jun 2 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Jun 3 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Jun 4 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Jun 5 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

Jun 6 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Jun 9 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Jun 10 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Jun 11 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Jun 12 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

Jun 13 **HIGH SCHOOL SCTP**

- Time:** 4:30 PM - 9:00 PM
- Jun 16 **Skunk River Practical Rimfire Match**
Time: 8:00 AM - 12:00 PM
- Jun 16 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Jun 17 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM
- Jun 18 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM
- Jun 19 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Jun 20 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM
- Jun 23 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Jun 24 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM
- Jun 25 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM
- Jun 26 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Jun 27 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM
- Jun 30 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Jul 3 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Jul 7 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Jul 10 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Jul 11 **HIGH SCHOOL SCTP**

Time: 4:30 PM - 9:00 PM

Jul 14 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Jul 17 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

Jul 18 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Jul 21 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Jul 24 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

Jul 25 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Jul 28 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Jul 31 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

Aug 1 **HIGH SCHOOL SCTP**
Time: 4:30 PM - 9:00 PM

Aug 4 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Aug 7 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

Aug 11 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Aug 14 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)

Aug 18 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)

Aug 20 **Grinnell summer gunsmith class**

- Location:** Trap & Skeet Ranges
Time: 8:00 AM - 5:00 PM
- Aug 21 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Aug 25 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Aug 28 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Sep 1 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Sep 4 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Sep 8 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Sep 11 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Sep 15 **Skunk River Practical Rimfire Match**
Time: 8:00 AM - 12:00 PM
- Sep 15 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Sep 18 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Sep 22 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Sep 25 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Sep 29 **Members Trap & Skeet**
Location: Trap & Skeet Range
Time: 12:00 PM - 2:00 PM (Noon to 2PM)
- Oct 1 **Gunsmith class**

- Location:** Trap & Skeet Ranges
Time: 9:00 AM - 12:00 PM
- Oct 2 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Oct 9 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Oct 11 **Bella Homes - Trap Shoot**
Location: Trap & Skeet Fields
Time: 1:00 PM (1-5pm)
- Oct 16 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Oct 20 **Skunk River Practical Rimfire Match**
Time: 8:00 AM - 12:00 PM
- Oct 23 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Oct 30 **Public Trap & Skeet**
Location: Trap & Skeet Ranges
Time: 5:00 PM (Weather permitting, if it is raining at 5pm will not open that evening)
- Oct 31 **ACSS-T&S**
Time: 6:00 PM - 9:30 PM
- Nov 6 **Wounded Warrior - trap shoot**
Time: 1:00 PM - 4:00 PM
- Nov 7 **ACSS-T&S**
Time: 6:00 PM - 9:30 PM
- Nov 14 **ACSS-T&S**
Time: 6:00 PM - 9:30 PM
- Nov 19 **Lee Van Brocklin--T&S**
Time: 1:00 PM - 3:00 PM
- Nov 21 **ACSS-T&S**
Time: 6:00 PM - 9:30 PM
- Dec 5 **ACSS-T&S**
Time: 6:00 PM - 9:30 PM
- Dec 12 **ACSS-T&S**
Time: 6:00 PM - 9:30 PM

ANNOUNCEMENTS

Jan 1	New Year's Day
Jan 21	MLK Day
Feb 2	Groundhog Day
Feb 14	Valentine's Day
Feb 18	Presidents' Day
Mar 17	Saint Patrick's Day
Apr 21	Easter Day
May 12	Mother's Day
May 27	Memorial Day
Jun 16	Father's Day
Jul 4	Independence Day
Sep 2	Labor Day
Oct 31	Halloween
Nov 28	Thanksgiving
Dec 15	Membership Renewal Season ENDS
Dec 24	Christmas Eve
Dec 25	Christmas

FIREARMS TRAINING

Apr 18	4-hr Iowa Permit to Carry Weapons Course Location: Chapterhouse Time: 5:30 PM (Class time - 5:30-9:30pm)
Apr 23	4-hr Intro to Defensive Handgun shooting course Location: Chapterhouse and Indoor Range Time: 5:30 PM (Class time - 5:30pm-9:30pm)
May 16	4-hr Basic Pistol shooting course Location: Indoor Range Time: 5:30 PM (5:30-:30pm)
May 29	4-hr Intro to Defensive Handgun shooting course Location: Chapterhouse and Indoor Range Time: 5:30 PM (Class time - 5:30pm-9:30pm)
Sep 24	4-hr Basic Pistol shooting course Location: Indoor Range Time: 5:30 PM (5:30-:30pm)
Oct 17	4-hr Intro to Defensive Handgun shooting course Location: Chapterhouse and Indoor Range Time: 5:30 PM (Class time - 5:30pm-9:30pm)

6-10 Non-Members per event

- Nov 2 **NRA Range Safety Officer Course**
Location: Chapterhouse
Time: 8:00 AM - 5:00 PM (8am-5pm)
- Nov 8 **NRA Basic Pistol Shooting course**
Location: Chapterhouse and Indoor Range
Time: 9:00 AM - 5:00 PM
- Nov 9 **NRA Basic Pistol Instructor Course**
Location: Chapterhouse and Indoor Range
Time: 7:00 AM (8am-5pm)
- Nov 10 **NRA Basic Pistol Instructor Course**
Location: Chapterhouse and Indoor Range
Time: 7:00 AM (8am-5pm)
- Dec 1 **4-hr Basic Pistol shooting course**
Location: Indoor Range
Time: 7:00 AM (7-11am)
- Dec 18 **Re-qualification**
Location: Indoor Range 6-10pm
Time: 6:00 PM

SCOUTS & 4-H

- Mar 11 **Pack 275 Cub Scouts - Pack Meeting**
Location: Chapterhouse
Time: 6:00 PM (Meeting - 6-7:30pm)
- Mar 30 **Troop 160 - Rifle Badge Activity**
Location: Indoor Range / Chapterhouse
Time: 2:00 PM - 5:00 PM
- Apr 8 **Pack 275 Cub Scouts - Pack Meeting**
Location: Chapterhouse
Time: 6:00 PM (Meeting - 6-7:30pm)
- Apr 12 - Apr 14 **All Ames BSA Campout of Troops**
Location: Campgrounds & Camp Shelter
Time: 04/12/19 at 5:00 PM - 04/14/19 at 12:00 PM (Friday evening to Sunday Morning)
- May 3 **Story County 4-H Shooting Sports**
Location: Outdoor Range - Archery Range - Trap & Skeet Fields
Time: 6:30 PM (6:30-8:30pm)
- May 17 - May 18 **Pack 275 Cub Scouts - Family Campout**
Location: Campgrounds Shelter
Time: 05/17/19 at 4:00 PM - 05/18/19 at 12:00 PM (Friday night to Saturday morning)
- May 17 **Story County 4-H Shooting Sports**
Location: Outdoor Range - Archery Range - Trap & Skeet Fields
Time: 6:30 PM (6:30-8:30pm)

20-40 Non-Members for general scout and 4-H events.

- Jun 7 **Story County 4-H Shooting Sports**
Location: Outdoor Range - Archery Range - Trap & Skeet Fields
Time: 6:30 PM (6:30-8:30pm)
- Jun 21 **Story County 4-H Shooting Sports**
Location: Outdoor Range - Archery Range - Trap & Skeet Fields
Time: 6:30 PM (6:30-8:30pm)
- Sep 6 **Story County 4-H Shooting Sports**
Location: Outdoor Range - Archery Range - Trap & Skeet Fields
Time: 6:30 PM (6:30-8:30pm)
- Sep 15 **Boy Scout Troop 230 Meeting**
Location: Chapterhouse
Time: 5:00 PM - 6:30 PM (5-6:30pm)
- Sep 20 **Story County 4-H Shooting Sports**
Location: Outdoor Range - Archery Range - Trap & Skeet Fields
Time: 6:30 PM (6:30-8:30pm)
- Sep 22 **Boy Scout Troop 230 Court of Honor**
Location: Chapterhouse
Time: 6:00 PM - 8:00 PM (6-8pm)
- Sep 29 **Troop 160 - Rifle Badge Activity**
Location: Indoor Range / Chapterhouse
Time: 4:00 PM - 6:30 PM
- Oct 6 **Boy Scout Troop 230 Meeting**
Location: Chapterhouse
Time: 3:00 PM - 6:30 PM (3-6:30pm)
- Oct 11 - Oct 12 **Pack 275 Cub Scouts - Family Campout**
Location: Campgrounds Shelter / Chapterhouse if bad weather
Time: 10/11/19 at 4:00 PM - 10/12/19 at 12:00 PM (Friday night to Saturday morning)
- Oct 12 - Oct 13 **Den 7, Pack 128 campout**
Location: Campground
Time: 10/12/19 at 2:00 PM - 10/13/19 at 11:00 AM
- Oct 13 **Boy Scout Troop 230 Meeting**
Location: Chapterhouse
Time: 3:00 PM - 6:30 PM (3-6:30pm)
- Oct 14 **Pack 275 Cub Scouts - Pack Meeting**
Location: Chapterhouse
Time: 6:00 PM (Meeting - 6-7:30pm)
- Oct 20 **Boy Scout Troop 230 Meeting**
Location: Chapterhouse
Time: 5:00 PM - 6:30 PM (5-6:30pm)
- Nov 3 **Boy Scout Troop 230 Meeting**
Location: Chapterhouse

- Time:** 5:00 PM - 6:30 PM (5-6:30pm)
- Nov 11 **Pack 275 Cub Scouts - Pack Meeting**
Location: Chapterhouse
Time: 6:00 PM (Meeting - 6-7:30pm)
- Nov 17 **Boy Scout Troop 230 Meeting**
Location: Chapterhouse
Time: 5:00 PM - 6:30 PM (5-6:30pm)
- Dec 1 **Boy Scout Troop 230 Meeting**
Location: Chapterhouse
Time: 5:00 PM - 6:30 PM (5-6:30pm)
- Dec 9 **Pack 275 Cub Scouts - Pack Meeting**
Location: Chapterhouse
Time: 6:00 PM (Meeting - 6-7:30pm)
- Dec 15 **Boy Scout Troop 230 Meeting**
Location: Chapterhouse
Time: 5:00 PM - 6:30 PM (5-6:30pm)

ANNUAL EVENTS

- Apr 20 **Ames Ikes Spring Swap Meet**
Location: Ames Ikes Chapter House
Time: 8:00 AM - 3:00 PM

20-30 Members

ARCHERY

- May 13 **Youth Archery Class**
Location: Archery Field
Time: 5:30 PM - 7:00 PM
- May 20 **Youth Archery Class**
Location: Archery Field
Time: 5:30 PM - 7:00 PM
- Jun 3 **Youth Archery Class**
Location: Archery Field
Time: 5:30 PM - 7:00 PM
- Jun 10 **Youth Archery Class**
Location: Archery Field
Time: 5:30 PM - 7:00 PM
- Aug 5 **Archery Class**
Location: Archery Field
Time: 5:30 PM - 7:00 PM
- Aug 12 **Archery Class**
Location: Archery Field

10 Non Members per event

- Time: 5:30 PM - 7:00 PM
- Aug 19 Archery Class
Location: Archery Field
Time: 5:30 PM - 7:00 PM
- Aug 26 Archery Class
Location: Archery Field
Time: 5:30 PM - 7:00 PM
- Sep 2 Archery Class--BACK UP RAIN DATE
Location: Archery Field
Time: 5:30 PM - 7:00 PM

CAMPGROUND

- Jun 19 - Jun 20 Girl Scout Day Camp
Location: Campground
Time: 06/19/19 at 1:00 AM - 06/20/19 at 12:00 PM
- Jun 28 - Jun 29 American Heritage Girl Troop Campout
Location: Campground
Time: 06/28/19 at 4:00 PM - 06/29/19 at 12:00 PM
- Sep 27 - Sep 28 American Heritage Girl Troop Campout
Location: Campground
Time: 09/27/19 at 4:00 PM - 09/28/19 at 12:00 PM
- Oct 4 - Oct 6 BSA Troop 163 Camp Out
Location: Campground
Time: 10/04/19 at 4:00 PM - 10/06/19 at 12:00 PM

20-40 Non-Members for general scout and 4-H events.

NEW MEMBER MEETING

- Jan 13 Club House--New Member Meeting
Location: Chapter Lodge
Time: 1:00 PM - 3:00 PM
- Feb 10 Club House--New Member Meeting
Location: Chapter Lodge
Time: 1:00 PM - 3:00 PM
- Mar 24 New Member Meeting--Club House
Location: Chapter Lodge
Time: 1:00 PM - 3:00 PM
- May 15 New Member Meeting--Club House
Location: Chapter Lodge
Time: 6:00 PM - 8:00 PM
- Jun 26 New Member Meeting--Club House
Location: Chapter Lodge

5 to 10 New Members per meeting

Time: 6:00 PM - 8:00 PM

Jul 24 **New Member Meeting--Club House**
Location: Chapter Lodge
Time: 6:00 PM - 8:00 PM

Aug 21 **New Member Meeting--Club House**
Location: Chapter Lodge
Time: 6:00 PM - 8:00 PM

Sep 29 **New Member Meeting--Club House**
Location: Chapter Lodge
Time: 2:00 PM - 4:00 PM

Oct 27 **New Member Meeting--Club House**
Location: Chapter Lodge
Time: 2:00 PM - 4:00 PM

Nov 17 **New Member Meeting--Club House**
Location: Chapter Lodge
Time: 2:00 PM - 4:00 PM

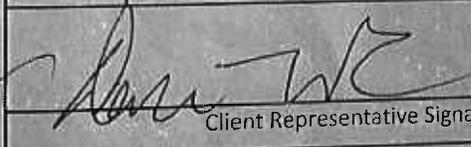
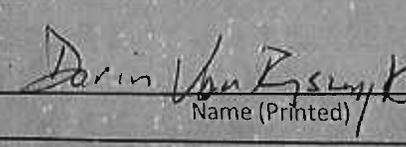
Dec 15 **New Member Meeting--Club House**
Location: Chapter Lodge
Time: 1:00 PM - 3:00 PM



Project Completion Checklist

Project	Ames Izaak Walton League	Site Location	2066 Stagecoach Road, Ames, IA 50010	
Client Contact	Tod Bertram	Phone	515-231-1546	Email todbhome@gmail.com
Start Date	1/22/2020	Finish Date	1/24/2020	Project Manager Joe Doyle

Contract Items			Comments
	Maintenance	Complete	
1	Lead Recovery, 1-bay, 5-lanes	✓	LBS Recovered: 2,571
2	Rubber groomed uniformly on trap	✓	
3	HEPA vacuum range from trap to shooting line, floors and walls up to 8'	✓	
4	HEPA vacuum and wet wip non-porous surfaces of shooting partitions	✓	
5	Treatment of range/filter waste	✓	Volume:
6	Report any wear, damage or maintenance	✓	


01/24/20

 Client Representative Signature Name (Printed)

Good job!!

Certificate of Recycling

This certificate hereby acknowledges receipt and use of

2,521

Pounds of Recovered Lead Bullets

From

**Ames Izaak Walton League
2066 Stagecoach Road
Ames, IA 50010**

Received on

1/24/2020

The RECOVERED shot was RECYCLED FOR RE-USE
IN THE DOMESTIC united states



**MT2, LLC (Metals Treatment Technologies)
14045 West 66th Avenue; Arvada, CO 80004
303-456-6977 (p) 303-456-6998 (f) www.mt2.com**



MT2
Bullet Proof Your Environment!



Three Sisters Trading, LLC

14375 West Forest Drive, Lake Forest, IL 60045-1036

Certificate of Destruction and Recycling

Date: January 24, 2020

Vendor: Metal Treatment Technologies, LLC

Ames Izaak Walton League 2066 Stagecoach Road Ames, IA 50010

Purchase Order Number: 1643

Commodity: Bullet Lead

Recycler: Three Sisters Trading, LLC 27944 North Bradley Road, Libertyville, IL 60048

Weight: 2,521lbs

To Whom It May Concern:

Three Sisters Trading, LLC, purchased "Bullet Lead" from the above vendor. These materials contain lead bearing components and are classified as scrap metal as defined under the Code of Federal Regulations, (40 CFR261.4(a)(13)). This regulation remains in effect and reaffirmed October 1, 2015.

All of the materials purchased will be re-melted to their base metallic state. No materials received will be re-used for their original purpose or land-filled. All of the materials will be direct to a duly licensed secondary metal processor for conversion.

This document records the end of the useful life of the range lead thus becoming processed scrap metal. Please retain this document in your records.

SERVING THE NORTH AMERICAN METAL MARKET SINCE 1981

Izaak Walton League

Light pole locations

Legend

- Tenant yardlight
- Chapter house yard light
- Entry gate yard light
- Entry gate yard light
- Entry gate yard light
- Campground light pole at shelter
- Campground light pole
- Light pole
- Light pole
- Light pole
- Light pole

