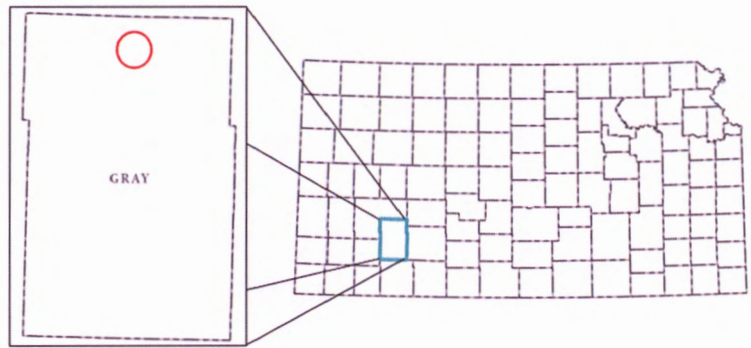


January 2021 – December 2025

Midwest Feeders, Inc.



Water Conservation Area Executive Summary

WCA Acres: 1,145 acres

Number of STK Water Rights: 7

Number of STK Wells: 10 (with 3 Geocenters)

Number of IRR Water Rights: 4

Number of IRR Wells: 3

Historical Period: 2012-2017 based on current operations and ownership

Prior WCA Conservation:

- enrolled in a WCA since January 2018. Of the three-year allocation of 3100.56 acre-feet (AF) a total of 2561.33 acre-feet (AF) was used thru calendar year 2020.
- A total of 539.23 AF was unused and conserved.

WCA Allocation and Corrective Controls:

- Total WCA allocation of 5706.83 AF (5167.6 AF + 539.23 AF (carry over))
 - STK- allocation not to exceed of 4110.43 AF (3730.5 AF + 379.93 AF (carry over)).
 - IRR- allocation not to exceed 1596.4 AF (1437.10 AF + 159.3 AF carry over))
- All STK wells shall be limited to their annual authorized aggregate quantity of 746.10 AF/Yr unless the acre feet is not sufficient, the carry over amount may be used from previous WCA.
- All STK wells will be held to current operating diversion rates listed in the management plan.
 - Operating diversion rates do not allow any STK well to exceed 746.10 AF/Yr
- STK File No. 10,999 (ID-8 Geo) shall be limited to a quantity of 267 AF/Yr and 380 GPM.
- STK File No. 10,999 (ID-3 Geo) shall be limited to a quantity of 241 AF/Yr and 150 GPM.
- Irrigation water rights shall be limited to their annual authorized aggregate quantity of 287.42 AF/Yr unless the acre feet is not sufficient, the carry over amount may be used from previous WCA.
 - Each irrigation water right shall be limited to the authorized diversion rate and annual quantity.

Total water conserved during previous WCA period: 539.32 AF

*NOTE: Executive Summary provided by KS Dept of Agriculture – Division of Water Resources
(consultation with KLA Environmental Services Inc.)*

MIDWEST

Feeders inc.
INGALLS, KANSAS

05013 13 Road ▼

Ingalls, KS 67853 ▼

620-335-5790

December 3, 2020

Garden City Division of Water Resources

Attn: Mike Meyer

4532 W Jones Ave., Ste. B

Garden City, KS 67846

Mr. Mike Meyer,

This Water Conservation Plan has worked well for Midwest Feeders, Inc. This plan gave us the flexibility we need to operate our stock water and irrigation wells more efficiently with no negative economic impact. In fact, we feel the flexibility gave us a positive impact by allowing us to spend less time managing wells and possibly even lowering energy cost.

Sincerely,



Jeff Sternberger
General Manager

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WATER CONSERVATION AREA PLAN

Midwest Feeders, Inc.
Section 19 T24S R28W and Sections 24 & 25 T24S R29W
Gray County, Kansas

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Division of Water Resources

1700 E. IRON AVE. • SALINA, KS 67401
T 785.823.0097 F 913.273.1493



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WWW.KLAENVIRO.COM

MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

Management Plan for the Renewal of a Water Conservation Area (WCA) for Midwest Feeders, Inc. Gray County, Kansas

Purpose

Midwest Feeders, Inc. is an established part of the Gray County community and economy. Our staff consists of 66 full-time employees. We provide a local market for feed crops by purchasing approximately 7,300,000 bushels of corn, 60,000 tons of corn silage, and 10,000 tons of alfalfa hay annually. Midwest Feeders, Inc. produces a value-added product that supplies the largest sector of the local and regional economy. We recognize that water is a primary resource and that both our economy and community are dependent upon our water supply. Midwest Feeders, Inc. has intensively managed water use for many years and has recorded one of the lowest beef cattle consumption rates in the region. We believe that we can continue to improve water management if appropriate tools are available to us. In order to reduce the rate of decline of groundwater levels in our region and extend the life of our water supply, we propose to re-establish a Water Conservation Area that encompasses the land and water rights associated with the Midwest Feeders, Inc. cattle feeding facility. The management plan for this Water Conservation Area is presented herein and shall form the basis of a Consent Agreement and Order Designating a Water Conservation Area pursuant to K.S.A. 82a-745 (WCA Law). This management plan is a renewal of the previously established WCA from 2018-2020. The participating water right owner agrees to the terms and conditions contained in this proposed management plan.

Expression of Conservation Goals

Midwest Feeders, Inc. is the sole water right owner participating in the Midwest Feeders, Inc. Water Conservation Area. The primary goal of Midwest Feeders, Inc. is to sustain their business and community by conserving their groundwater resources. The facility is currently permitted for a capacity of 74,000 head of beef cattle. Flexibility is needed to allocate groundwater resources according to the seasonal demands of livestock consumption. The participants have concluded that the goals of conservation and flexible water resource allocation shall continue by taking the following actions:

1. Limit average unit consumption to a rate of 9 gallons per head per day during the term of the WCA. Annual unit consumption will vary based upon weather conditions, cattle numbers, and average cattle weights.
2. Retain the flexibility needed to intensively manage the wells that supply the interconnected pressurized water system and the associated storage tanks. This will be accomplished by operating under a single quantity limitation that is equal to the total annual authorized aggregate quantity of all the stockwater rights participating in the management plan.

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MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

3. Maintain reduced irrigation use to augment conservation of the local aquifer.
4. Implement advancements in water conservation technology that are compatible with the provisions of this management plan.
5. Participate for a period that is compatible with typical stocking and market fluctuations and long enough to indicate measurable results.
6. Evaluate the effectiveness of this management plan so that it may be revised as needed and continued for subsequent terms.

Term

The terms and conditions of the Midwest Feeders, Inc. Water Conservation Area shall be effective upon issuance of a Consent Agreement and Order Designating a Water Conservation Area (WCA Agreement) that is approved by all participating water right owners and the Chief Engineer of the Division of Water Resources. The proposed term of the WCA Agreement is five (5) years extending from January 1, 2021 through December 31, 2025.

Water Rights Enrolled and Geographical Boundaries

The Midwest Feeders, Inc. Water Conservation Area encompasses the cattle feeding facility located in Section 19 Township 24 South Range 28 West (T24S R28W) and Sections 24 and 25 Township 24 South Range 29 West (T24S R29W), all in Gray County. There are ten points of diversion (wells) associated with seven water rights in this area that are devoted to stockwater use to supply the facility. Two other points of diversion associated with four water rights are located in Section 25 T24S R29W and are authorized for irrigation use. One point of diversion associated with File No. 22,121 located in Section 25 T24S R29W is authorized for both irrigation and stockwater use. These irrigation rights are an integral part of the facility's waste management system and Nutrient Management Plan.

Table 1 summarizes the water rights and points of diversion included in this Water Conservation Area.

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MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

Table 1 – Water Rights and Points of Diversion Included in the Midwest Feeders, Inc. WCA

WATER RIGHT FILE NO.	WELL ID NO.	BENEFICIAL USE*	AUTHORIZED QUANTITY (AF)	P/D DIST. FROM SE SECTION CORNER		
				SEC-TWP-RGE	NORTH	WEST
4,887	5	STK	5.00	24-24S-29W	990 FT	2630 FT
22,122	5	STK	25.00	24-24S-29W	990 FT	2630 FT
10,639	3*	STK	135.00	24-24S-29W	102 FT	2514 FT
32,786	3*	STK	38.00	24-24S-29W	102 FT	2514 FT
22,122	2	STK	124.00	24-24S-29W	2800 FT	100 FT
10,639	7	STK	95.00	25-24S-29W	3667 FT	1248 FT
32,787	7	STK	38.00	25-24S-29W	3667 FT	1248 FT
10,999	3*	STK	174.10	19-24S-28W	175 FT	1550 FT
10,999	8*	STK		19-24S-28W	2098 FT	1844 FT
22,121	3	STK	112.00	25-24S-29W	2197 FT	1898 FT
10,639	2	IRR	159.60	25-24S-29W	3440 FT	2525 FT
22,122	2	IRR	52.00	25-24S-29W	3440 FT	2525 FT
22,121	2	IRR	41.40	25-24S-29W	3440 FT	2525 FT
22,121	3	IRR	112.10	25-24S-29W	2197 FT	1898 FT
29,614	9	IRR	109.00	25-24S-29W	170 FT	4030 FT

Legend: STK = stockwater use IRR = irrigation use AF = acre-feet/year
 P/D = point of diversion SEC-TWP-RGE = Section, Township and Range
 * Geographical center of battery of wells

All the stockwater rights have a common place of use; that is, they are completely overlapped so that water from any point of diversion authorized for stockwater use can be used anywhere within the WCA-authorized place of use. The geographical description of the WCA-authorized place of use is shown in Table 2. The geographic boundaries of the Midwest Feeders, Inc. Water Conservation Area are shown on the *WATER CONSERVATION AREA PLACE OF USE MAP* included in Appendix 1 of this management plan.

Table 2 – WCA-Authorized Place of Use for the Midwest Feeders, Inc. WCA

LEGAL DESCRIPTION		USE
FRACTION	SECTION-TOWNSHIP-RANGE	
NE ¼, NW ¼, SW ¼ & N ½ SE ¼	19-24S-28W	STOCKWATER
SE ¼	24-24S-29W	STOCKWATER
NE ¼, E ½ NW ¼ & NW ¼ SE ¼	25-24S-29W	STOCKWATER

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MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

Table 3 summarizes the totals of the authorized quantities associated with the water rights enrolled in this WCA. It also summarizes the total average annual water use for the period 2012 through 2017. A conservation use level of 9 gallons per head per day and the permitted capacity of the cattle feeding facility (74,000 head) were used to determine the basis for the quantity of permissible groundwater withdrawal. This level is slightly more than the historic rate of 8.72 gallons per head per day and provides a modest safety factor for unanticipated conditions. This quantity was then multiplied by five (5), which is the term of this WCA, to arrive at the total quantity of permissible groundwater withdrawal for stockwater use that is authorized by this WCA. A ten percent (10%) conservation factor was applied to the total average annual irrigation water use for the period 2012 through 2017. The reduced quantity was then used as the basis for the quantity of permissible groundwater withdrawal for irrigation use. This quantity was then multiplied by five (5), which is the term of this WCA, to arrive at the total quantity of permissible groundwater withdrawal for irrigation use that is authorized by this WCA.

The previously established WCA plan allowed for the accumulated portion of the total quantity of permissible groundwater withdrawal that was not used during the term of the WCA Agreement, the remainder quantity, to be deposited into subsequent WCA agreements. Midwest Feeders, Inc. requests the remainder quantity from the 2018-2020 WCA be deposited into this new WCA as described in Table 3 below.

Table 3 – Summary of Water Use and Total Permissible Quantity of Withdrawal

BENEFICIAL USE	STOCKWATER	IRRIGATION
2012 – 2017 AVERAGE ANNUAL USE	492.04 AF	319.36 AF
PRE-WCA AUTHORIZED QUANTITY*	746.10 AF	474.10 AF
BASIS FOR PERMISSIBLE QUANTITY OF GROUNDWATER WITHDRAWAL	746.10 AF	287.42 AF
TOTAL PERMISSIBLE QUANTITY OF GROUNDWATER WITHDRAWAL (5 x BASIS)	3,730.50 AF	1,437.10 AF
ADDITIONAL ESTIMATED REMAINDER QUANTITY**	377.98 AF	159.72 AF
TOTAL PERMISSIBLE QUANTITY OF GROUNDWATER WITHDRAWAL (WITH ESTIMATED REMAINDER QUANTITY)	4,108.99 AF	1,602.99 AF

*Official average use is 443.87 AF; actual quantity was used to determine actual use in gallons/head/day.

**Estimated remainder quantity calculated using recorded use through November 2020 and projected December 2020 use. See Appendix 2.

Findings Regarding Groundwater Conditions

K.S.A. 82a-745 and K.S.A. 82a-1036(a) through (d) require a finding that one of the following conditions be present within the area proposed as a Water Conservation Area:

1. Groundwater levels in the area in question are declining or have declined excessively;
2. The rate of withdrawal of groundwater in the area equals or exceeds the rate of recharge within such area;
3. Preventable waste of water is occurring or may occur within the area in question; or
4. Unreasonable deterioration of the quality of water is occurring or may occur within the area in question.

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MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

The participating water right owner has determined that the following conditions exist:

- Groundwater levels within T24S R28W and T24S R29W, Gray County, have declined excessively and continue to decline under the current levels of water use. The amount of decline has been documented by the Kansas Geological Survey and the Kansas Department of Agriculture, Division of Water Resources. Two water level observation wells are located in the vicinity of Midwest Feeders, Inc.: one in the NW ¼ of Section 28 T24S R28W and the other in the SE ¼ of Section 16 T24S R29W. The monitoring data indicate water level declines ranging from 25 to 50 feet in this area.
- The *Kansas High Plains Aquifer Atlas* published by the Kansas Geological Survey contains information concerning aquifer depletion. The *Percent Change in Saturated Thickness, Predevelopment to Average 2015-2017, Kansas High Plains Aquifer* map provides this information on a township basis. This map indicates that the area where Midwest Feeders, Inc. is located has experienced a decrease in saturated thickness of 30 to 45 percent.

This information provides evidence that groundwater levels within this area have declined excessively and are continuing this trend. The loss of saturated thickness also implies that the rate of groundwater withdrawal is substantially greater than the rate of aquifer recharge. These conditions indicate a diminishing groundwater resource and justify the continuation of a Water Conservation Area in this region.

Evaluation of WCA (2018-2020)

BENEFICIAL USE	STOCKWATER	IRRIGATION
2018-2020 WCA AVERAGE ANNUAL USE*	620.11 AF	234.18 AF
2018-2020 TOTAL USE*	1,860.32 AF	702.54 AF
2018-2020 WCA AUTHORIZED QUANTITY	2,238.30 AF	862.26 AF
2018-2020 WCA ESTIMATED REMAINDER QUANTITY*	377.98 AF	159.72 AF

*Calculations made using recorded use through November 2020 and projected December 2020 use. See Appendix 2.

Midwest Feeders, Inc. received approval to enroll in a WCA on October 18, 2018. The term of the WCA was January 1, 2018 through December 31, 2020. The total permissible quantity of groundwater withdrawal for the three-year term of the WCA was 2,238.30 AF (746.10 AF/year) for stock purposes and 862.26 AF (287.42 AF/year) for irrigation purposes.

From January 1, 2020 through December 1, 2020, 623.24 AF of water was used for stock purposes. The average headcount for 2020, along with historic daily consumption per head for December was used to project the amount of water that will be used for the remainder of the term of the WCA. An estimated additional 46.90 AF will be used in 2020, for a total annual stock use of 670.14 AF. With the projected 2020 stock use, a total of 1,860.32 AF is estimated to be used during the term of the WCA; which represents 83.1% of the total WCA stock allotment.

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MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

Total irrigation use from January 1, 2020 through December 1, 2020 was 202.63 AF. Irrigation use through the rest of 2020 is expected to be minimal. Total irrigation use for the term of the WCA is estimated to be 702.54 AF; 81.5% of the total irrigation allotment. Revisions to the WCA plan and retroactive approval after the irrigation season in 2018 led to an overuse of 24.10 AF during the first year. Corrections were made in the following years, and irrigation use during 2019, 2020, and the term of the WCA are below their respective allotments.

Total water use for the term of the WCA is estimated to be 2,562.86 AF; 82.7% of the total WCA allotment. This leaves a total remainder quantity of 537.70 AF. Reductions in water use have occurred due to more intensive management, using water efficiently, and implementing water saving technology, including a water tank overflow recycling system in the 2018 expansion of the facility.

In the previously approved WCA, it was agreed that Midwest Feeders, Inc. could "elect to deposit the remainder quantity into a subsequent WCA Agreement that is governed by this management plan or revised versions thereof. Such a deposit shall be in addition to the total annual quantity of permissible groundwater withdrawal determined for the subsequent WCA Agreement." Midwest Feeders, Inc. requests the full remainder quantity be carried forward for this renewed WCA term. The goal is to bank water to use later if needed. Water saved will be far more beneficial than if it is used at a time when it is needed in the future. The primary goal of Midwest Feeders, Inc. is to save the banked water, if possible.

Corrective Control Provisions and Plan for Conservation

The following corrective control provisions pertaining to the Midwest Feeders, Inc. Water Conservation Area will be in effect during the renewed term of the WCA Agreement:

1. The term of the WCA Agreement shall extend from January 1, 2021 through December 31, 2025.
2. The total quantity of permissible groundwater withdrawal for stockwater use during the term of this WCA shall be limited to no more than 3,730.50 AF, plus the remainder quantity from the 2018-2020 WCA plan, currently estimated at 377.98 AF. This quantity is based on the continuation of the conservation use previously established by Midwest Feeders, Inc.
3. The total quantity of permissible groundwater withdrawal for irrigation use during the term of this WCA shall be limited to no more than 1,437.10 AF, plus the remainder quantity from the 2018-2020 WCA plan, currently estimated at 159.72 AF. This quantity is based on the continuation of the conservation use previously established by Midwest Feeders, Inc.
4. The north battery of wells associated with File No. 10,999 (ID 8) having a geographical center located at 2,098 feet north and 1,844 feet west of the southeast corner of Section 19 T24S R28W shall be limited to a total rate of 380 gallons per minute (gpm) and 267 AF per year.

MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

5. The south battery of wells associated with File No. 10,999 (ID 3) having a geographical center located at 175 feet north and 1,550 feet west of the southeast corner of Section 19 T24S R28W shall be limited to a total rate of 150 gpm and 241 AF per year.
6. The rates of wells for stockwater use shall be subject to the limitations in the following table:

WATER RIGHT FILE NO.	DWR WELL ID	RATE LIMITATION (GPM)	FACILITY WELL ID
4,887 & 22,122	5	80	8
10,639 & 32,786	4	100	1
10,639 & 32,786	6	60	2
10,639 & 32,787	7	120	3
10,999	6	70	5
10,999	7	80	4
10,999	9	210	6
10,999	10	170	7
22,122	2	190	9
22,121	3	200	10

7. Water rights may be pumped as directed by the owner. Water rights authorized for stockwater use will be considered as a group subject to an overall limitation of 746.10 acre-feet per year. Groundwater may be withdrawn from the wells authorized for stockwater use in any combination of quantities as long as the total use from these wells does not exceed 746.10 acre-feet per calendar year. In the event 746.10 acre-feet is insufficient, this limitation can be exceeded by utilizing the remainder quantity from the previously established WCA. The remainder quantity can be used in any amount during any year of the WCA term, allowing that the total term use does not exceed the total remainder quantity, estimated at 377.98 acre-feet. The primary goal is to leave the remainder quantity unused.
8. Water rights authorized for irrigation use will be considered as a group subject to an overall limitation of 287.42 acre-feet per year. Each water right authorized for irrigation shall also be limited to its current authorized rate and annual quantity. In the event 287.42 acre-feet is insufficient, this limitation can be exceeded by utilizing the remainder quantity from the previously established WCA. The remainder quantity can be used in any amount during any year of the WCA term, allowing that the total term use does not exceed the total remainder quantity, estimated at 159.72 acre-feet. The primary goal is to leave the remainder quantity unused.
9. It is recognized that the overall stockwater limitation of 746.10 acre-feet per year may be exceeded when the facility is operated at full capacity during extended periods of hot, dry weather. Utilization of the remainder quantity will occur first. If the remainder quantity is used completely, a term permit will be filed to obtain authorization to exceed the overall limitation if such conditions occur. Additional quantity obtained through a term permit will be offset by reduced use of the irrigation wells included in this WCA.

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MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

10. Midwest Feeders, Inc. will continue to provide supplemental recharge through wastewater irrigation on land adjacent to the facility and by export to neighboring users as a source of supplemental irrigation water. The distribution of the wastewater will be controlled by the provisions of the Nutrient Management Plan that is regulated by the Kansas Department of Health and Environment.
11. Midwest Feeders, Inc. will continue to utilize the water tank overflow recycling system that was installed in conjunction with the 2018 expansion project in the SW ¼ of Section 19 T24S R28W.
12. A remainder quantity is defined as the accumulated portion of the total quantity of permissible groundwater withdrawal that is not used during the term of the WCA Agreement. Midwest Feeders, Inc. may elect to deposit the remainder quantity into a subsequent WCA Agreement that is governed by this management plan or revised versions thereof. Such a deposit shall be in addition to the total annual quantity of permissible groundwater withdrawal determined for the subsequent WCA Agreement. The credited portion of the remainder quantity may be carried forward through the term of the subsequent WCA Agreement until it is diverted.

Compliance Monitoring and Enforcement

Midwest Feeders, Inc. acknowledges the compliance monitoring and enforcement provisions stated herein. This includes any specific provisions relating to measuring or reporting water usage.

Monitoring

Midwest Feeders, Inc. or an authorized representative thereof will submit an annual report for each calendar year included in the term of this WCA. The annual report for each calendar year shall be submitted to the Chief Engineer no later than March 1st of the following year. The report will include a record of the following information:

- Beginning and ending flow meter readings for each point of diversion included in the WCA Agreement
- Quantity of water diverted by each point of diversion
- Total quantity of water diverted during the calendar year for stockwater and irrigation uses
- Annual unit rate of water use in gallons/head/day
- Unused portion of the total quantity of permissible groundwater withdrawal.

These records will be maintained in electronic and paper format. Copies will be made available to Kansas Department of Agriculture, Division of Water Resources staff upon request.

Water diverted from a well that supplies both irrigation and stockwater uses shall be metered in a manner that accurately quantifies each use. The metering or measurement system shall be reviewed and approved by the Water Commissioner of the Garden City Field Office of the Division of Water Resources.

MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

Midwest Feeders, Inc. acknowledges that the measurement chambers of the water flow meters within this WCA will be sealed by Kansas Department of Agriculture, Division of Water Resources staff. These seals will remain in place for the duration of this management plan to ensure accurate water use records.

Midwest Feeders, Inc. agrees to install and maintain water flow meters and appurtenances that comply with the requirements of the Division of Water Resources and Southwest Kansas Groundwater Management District No. 3. Midwest Feeders, Inc. or an authorized designee who finds a flow meter that is inoperable or inaccurate shall notify the Garden City Field Office of the Division of Water Resources within 48 hours of discovery. Whenever an inoperable or inaccurate meter is repaired or replaced, Midwest Feeders, Inc. or an authorized designee shall notify the Garden City Field Office of the Division of Water Resources within seven (7) days on a form prescribed by the Chief Engineer of the water flow meter installation or any water flow meter repair or replacement event.

Enforcement

Midwest Feeders, Inc. acknowledges that failure to abide by the terms of this agreement may result in the termination of the WCA. Failure to abide by the terms, conditions, and limitations of the individual water rights will be subject to the civil penalties outlined in K.A.R. 5-14-10 and 5-14-12.

Review of Effectiveness

The Midwest Feeders, Inc. WCA management plan will be evaluated annually by the participants. Revisions and amendments to the management plan will be developed as needed and submitted to the Chief Engineer for consideration. A formal review shall be conducted during the final year of the term to ensure that the provisions of this management plan are appropriate and are achieving the stated goals of the Midwest Feeders, Inc. WCA. This review shall be completed by the Chief Engineer in consultation with the participants by August 31, 2023. Information obtained from the observation wells located in the NW ¼ of Section 28 T24S R28W and the SE ¼ of Section 16 T24S R29W may be considered in this review. If the Chief Engineer finds that this WCA has achieved its goals and that there are no legal or physical conditions that require it to be altered or terminated, then the Midwest Feeders, Inc. WCA may be continued upon request of the participants. The management plan may be revised based upon the findings of the Chief Engineer and with the concurrence of all participating parties. The annual report for the last year in the term of this WCA shall indicate the total water use during the WCA period.

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**Garden City Field Office
Division of Water Resources**

MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

Participant Addition, Withdrawal, and Removal

Midwest Feeders, Inc. acknowledges that water right owners and their associated water rights and geographic boundaries may be added to this WCA upon written notification to the Chief Engineer by the owners of each enrolling water right. Such notification shall include the legal descriptions of the areas to be added. A participant may withdraw from the WCA through written notification to the Chief Engineer that is signed by the owners of the participating water right or rights to be withdrawn from the WCA.

If the addition or withdrawal of water rights requires modification of the permissible quantities of groundwater withdrawal, geographical boundaries, places of use, terms, or conditions of the original WCA, then the management plan shall be revised to incorporate such changes and the associated consent agreements shall be reaffirmed by all parties, after opportunity for comment on the proposed revisions by Southwest Kansas Groundwater Management District No. 3.

The Chief Engineer shall reserve the right to remove any participant from the Midwest Feeders, Inc. WCA for repeated violations of their WCA Agreement and/or violations of state laws and regulations that pertain to water rights and legal use of water.

Termination

The Midwest Feeders, Inc. WCA Agreement may be terminated by written notification submitted to the Chief Engineer. Such notification will state the intent to terminate, any applicable reasons for termination, and shall be signed by all currently participating members of the WCA.

State Law

The participants of the Midwest Feeders, Inc. WCA acknowledge that this WCA is subject to compliance with all other applicable state laws. The participants in conjunction with the Division of Water Resources will monitor any changes in Kansas laws that may impact this management plan or existing WCA Agreements.

Notification to Nearby Owners

Midwest Feeders, Inc. acknowledges that the Chief Engineer is required by state law to provide written notification to all water right owners with a point of diversion within ½ mile of the boundaries of this WCA. The Chief Engineer may consider information submitted by nearby owners when evaluating the potential for impairment of neighboring water rights.

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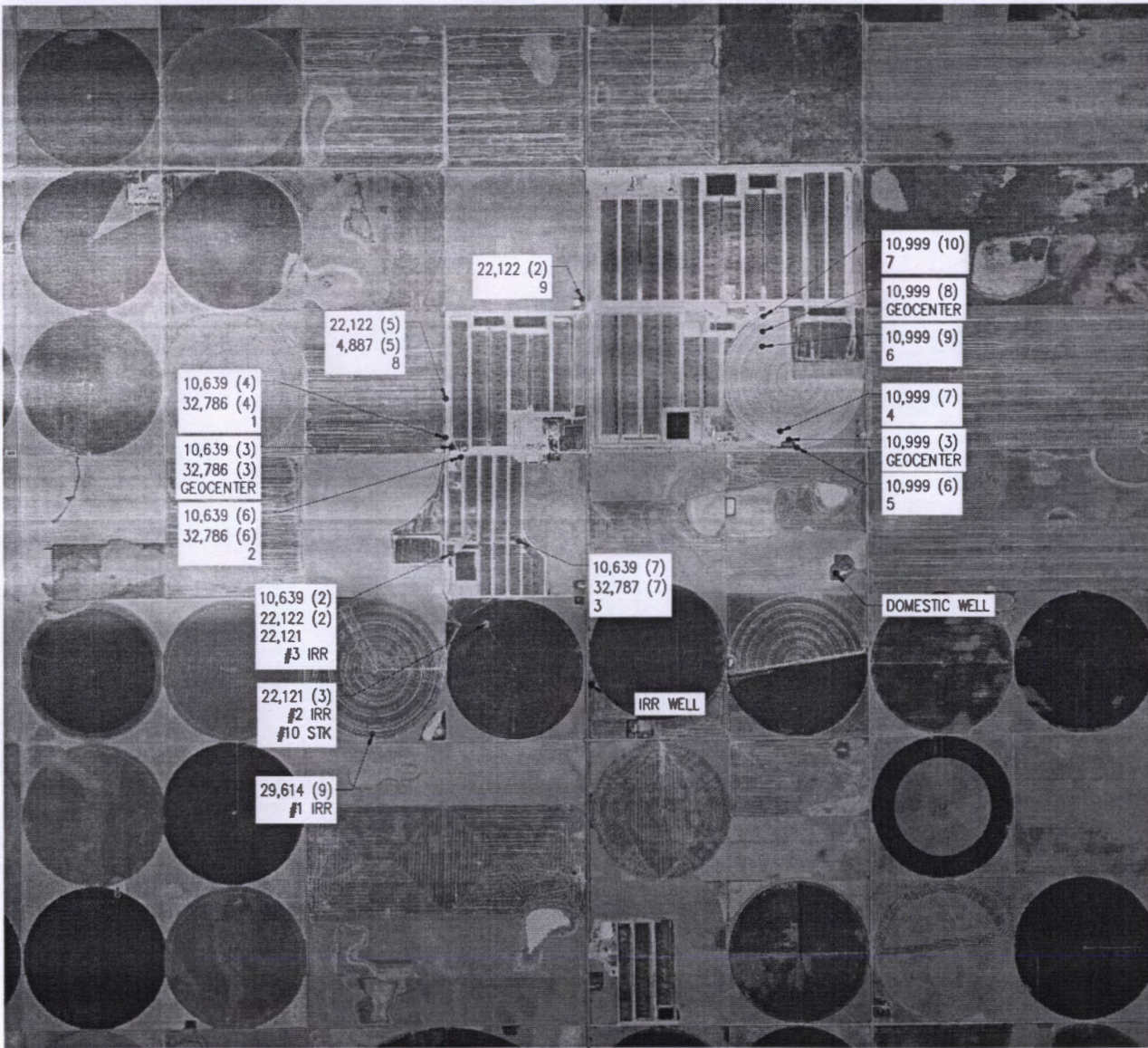
APPENDIX 1

Maps

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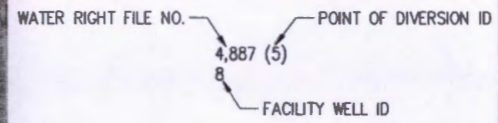


REV.	DATE	BY	DESCRIPTION	CHECK	APPROVE
1	8/18	JRC	REVISED WELL LABELS AND LEGEND	FCM	FCM
2	12/20	CSG	UPDATED AERIAL PHOTOGRAPH	KMB	

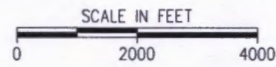
DRAWN	DATE	CHECKED	DATE	APPROVED	DATE
	2/18		2/18		2/18
DLB		FCM		FCM	

LEGEND

- POINT OF DIVERSION (IRR)
- POINT OF DIVERSION (STK)
- POINT OF DIVERSION (STK & IRR)
- NEIGHBORING WELL



T24S



MIDWEST FEEDERS, INC.
 WATER RIGHTS
 SECTION 19 T24S R28W & SECTIONS 24 & 25 T24S R29W
 GRAY COUNTY, KANSAS

1700 E. BOK
 SALINA, KANSAS 67401
 (785) 822-0097
 1303 WOODA STREET
 SCOTT CITY, KANSAS 67071
 (800) 872-2000



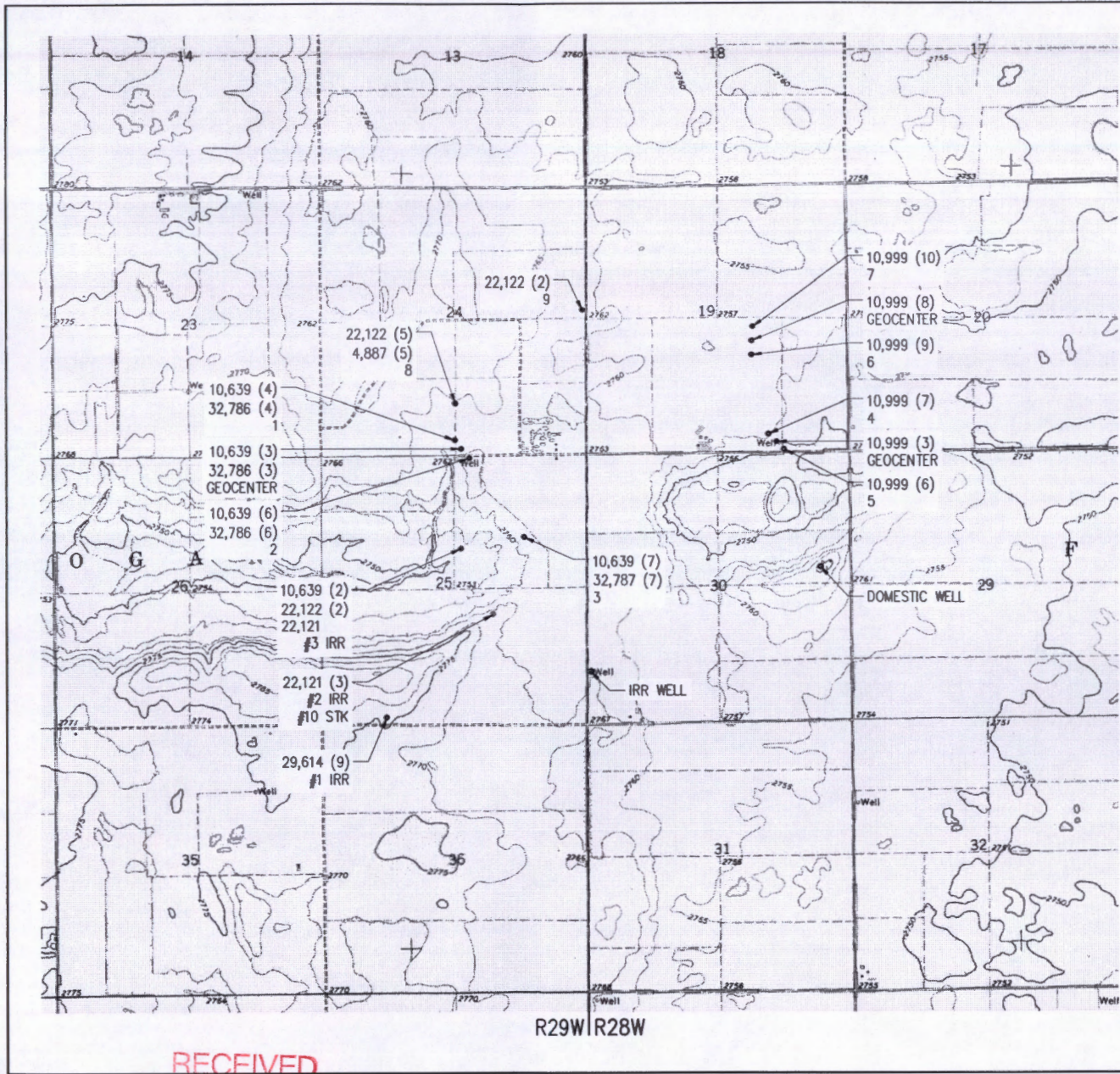
CAD FILE NAME:
 WATER RIGHTS.dwg
 SHEET NO. 1 OF 2

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WELL LOCATION MAP

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Garden City Field Office
 Division of Water Resources

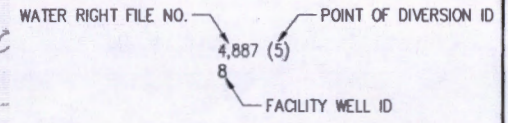


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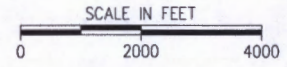
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CHECKED	FCM	DATE	2/18
APPROVED	FCM	DATE	2/18

LEGEND

- POINT OF DIVERSION (IRR)
- POINT OF DIVERSION (STK)
- POINT OF DIVERSION (STK & IRR)
- NEIGHBORING WELL



T24S



MIDWEST FEEDERS, INC.
 WATER RIGHTS
 SECTION 19 T24S R28W & SECTIONS 24 & 25 T24S R29W
 GRAY COUNTY, KANSAS

1700 E. ION
 SALINA, KANSAS 67401
 (785) 823-0097
 1300 YUCCA STREET
 SCOTT CITY, KANSAS 67071
 (800) 872-5300



CAD FILE NAME:
 WATER RIGHTS.dwg

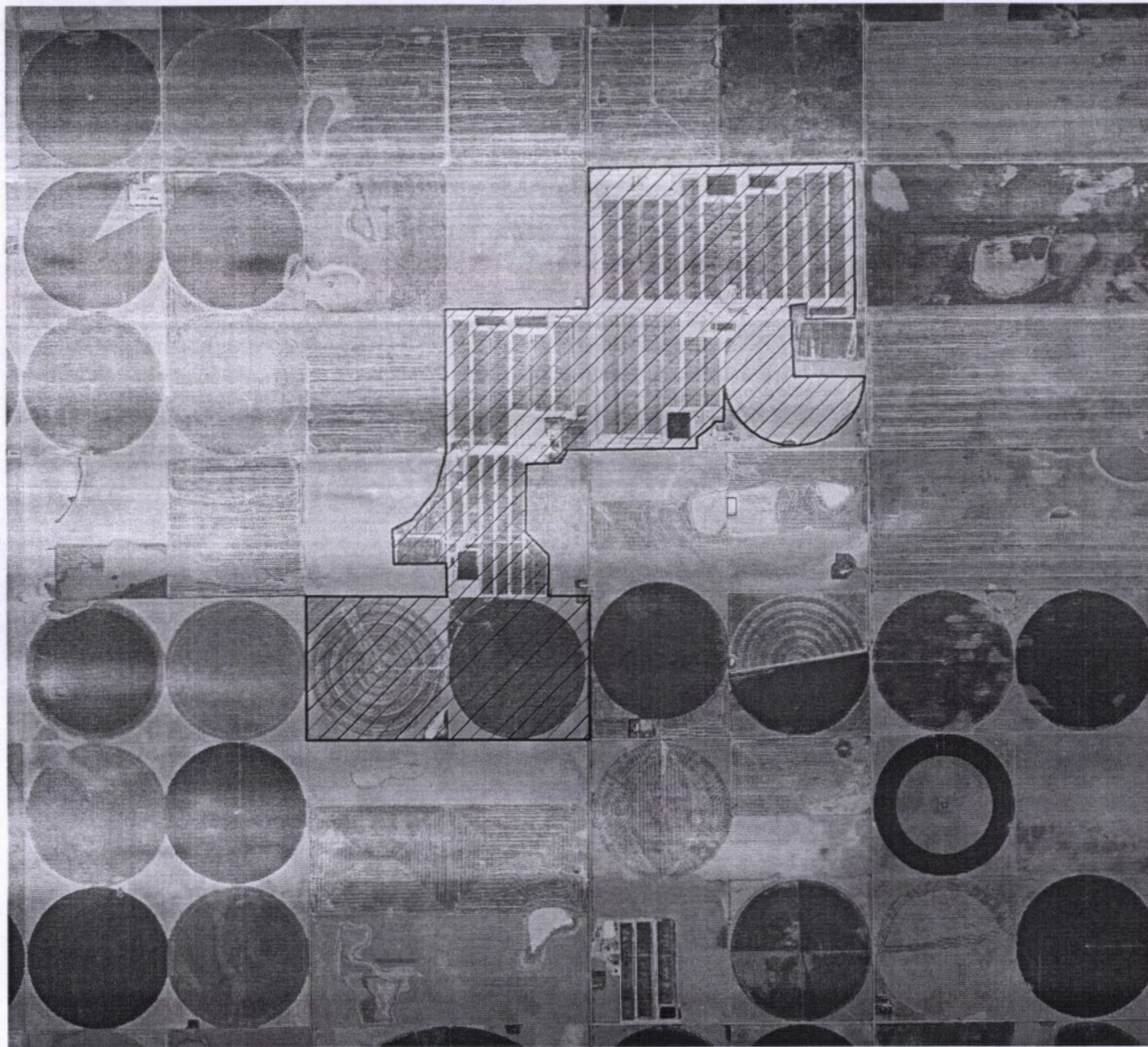
SHEET NO. 2 OF 2

RECEIVED

DEC 08 2020


Garden City Field Office
 Division of Water Resources

WELL LOCATION MAP



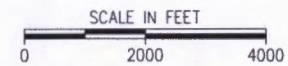
REV.	DATE	BY	DESCRIPTION	CHECK	APPROVE
1	8/18	JRC	REVISED PLACE OF USE LOCATION	FCM	FCM
2	12/20	CSG	UPDATED AERIAL PHOTOGRAPH	KMB	

LEGEND

 PLACE OF USE

DRAWN	DATE	CHECKED	DATE	APPROVED	DATE
DLB	2/18	FCM	2/18	FCM	2/18

T24S



MIDWEST FEEDERS, INC.
 WATER RIGHTS
 SECTION 19 T24S R28W & SECTIONS 24 & 25 T24S R29W
 GRAY COUNTY, KANSAS

1700 E. HWY
 SALINA, KANSAS 67401
 (785) 823-0097
 1303 YUCCA STREET
 SCOTT CITY, KANSAS 67871
 (800) 677-3300



CAD FILE NAME:
 WATER RIGHTS.dwg

SHEET NO. 1 OF 2

RECEIVED

R29W | R28W

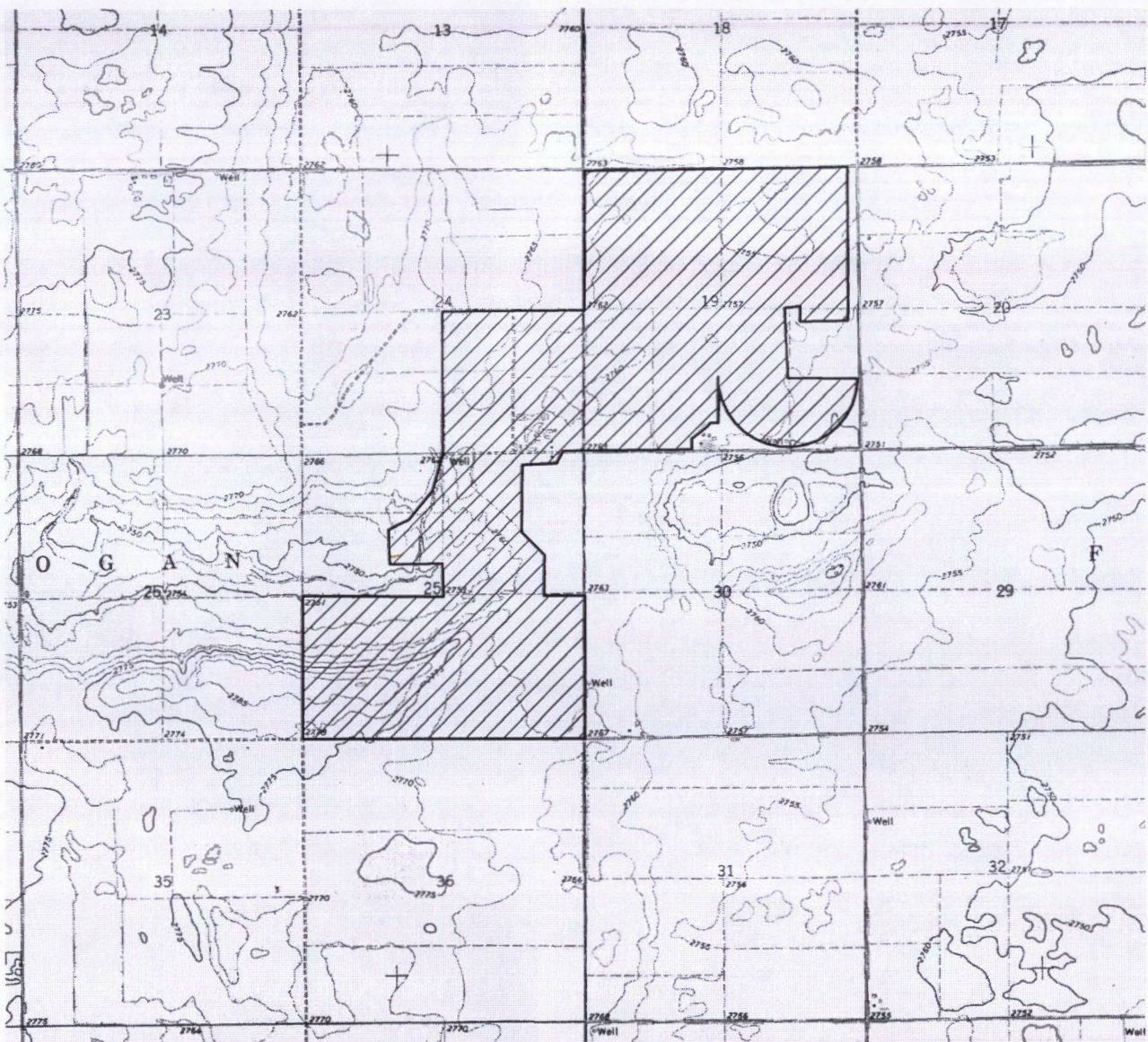
WATER CONSERVATION AREA PLACE OF USE MAP

DEC 08 2020


Garden City Field Office
 Division of Water Resources

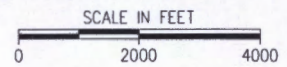
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1	8/18	JRC	REVISED PLACE OF USE LOCATION	FCM	FCM

DRAWN	DATE	DATE
DLB	2/18	2/18
CHECKED	DATE	DATE
FCM	2/18	2/18
APPROVED	DATE	DATE
FCM	2/18	2/18



LEGEND

 PLACE OF USE



MIDWEST FEEDERS, INC.
 WATER RIGHTS
 SECTION 19 T24S R28W & SECTIONS 24 & 25 T24S R29W
 GRAY COUNTY, KANSAS

1700 E. HIGH
 SALINA, KANSAS 67401
 (785) 832-0887
 1303 N. CCA STREET
 SCOTT CITY, KANSAS 67871
 (888) 872-2300



CAD FILE NAME:
 WATER RIGHTS.dwg
 SHEET NO. 2 OF 2

RECEIVED

R29W R28W

WATER CONSERVATION AREA PLACE OF USE MAP

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Garden City Field Office
 Division of Water Resources

MIDWEST FEEDERS, INC. WATER CONSERVATION AREA MANAGEMENT PLAN RENEWAL

APPENDIX 2

2018-2020 WCA Evaluation

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Garden City Field Office
Division of Water Resources

KLA ENVIRONMENTAL SERVICES, INC.

PROJECT: MIDWEST FEEDERS, INC.

LOCATION: SEC. 19 T24S R28W AND SEC. 24 & 25 T24S R29W, GRAY COUNTY, KANSAS

BY: CSG
DATE: 11/19/2020

CHECKED BY: KMB
DATE: 11/23/2020

SUMMARY OF STOCKWATER USE FOR WCA PERIOD JANUARY 2018 - OCTOBER 2020

YEAR	ANNUAL WATER USE IN ACRE-FEET BY STOCKWATER FILE NO.										TOTAL ANNUAL USE (AF)	AVERAGE HEAD COUNT	RATE (GALLONS/HEAD/DAY)
	4,887 (5) & 22,122 (5) WELL 8	10,639 (4) & 32,786 (4) WELL 1	10,639 (6) & 32,786 (6) WELL 2	10,369 (7) & 32,787 (7) WELL 3	10,999 (6) WELL 5	10,999 (7) WELL 4	10,999 (9) WELL 6	10,999 (10) WELL 7	22,121 (3) WELL 10	22,122 (2) WELL 9			
2018	23.46	79.57	40.37	44.98	22.52	30.37	86.62	70.65	6.07	110.76	515.37	51,651	8.91
2019	19.49	90.98	51.32	76.58	26.39	18.04	86.56	77.33	132.16	95.96	674.81	61,554	9.79
2020	23.61	72.42	55.94	47.68	21.95	18.39	79.33	67.64	94.01	97.88	578.85	62,719	9.89
											AVERAGE RATE =	9.53	

PROJECTED STOCK USE

	2018 (GALLONS/HEAD/DAY)	2019 (GALLONS/HEAD/DAY)	AVERAGE (GALLONS/HEAD/DAY)	2020 AVERAGE HEADCOUNT	PROJECTED USE ¹ (GALLONS)
NOVEMBER	9.51	5.69	7.60	62,719	14,299,932
DECEMBER	7.91	7.81	7.86	62,719	15,282,112
TOTAL =					29,582,044

ESTIMATED ADDITIONAL VOLUME FOR 2020 = 29,582,044 GALLONS
= 90.78 AF

SUMMARY OF PROJECTED STOCKWATER USE FOR WCA PERIOD JANUARY 2018 - DECEMBER 2020²

YEAR	ANNUAL WATER USE IN ACRE-FEET BY STOCKWATER FILE NO.										ESTIMATED ADDITIONAL USE (AF)	TOTAL ANNUAL USE (AF)	AVERAGE HEAD COUNT	RATE (GALLONS/HEAD/DAY)
	4,887 (5) & 22,122 (5) WELL 8	10,639 (4) & 32,786 (4) WELL 1	10,639 (6) & 32,786 (6) WELL 2	10,369 (7) & 32,787 (7) WELL 3	10,999 (6) WELL 5	10,999 (7) WELL 4	10,999 (9) WELL 6	10,999 (10) WELL 7	22,121 (3) WELL 10	22,122 (2) WELL 9				
2018	23.46	79.57	40.37	44.98	22.52	30.37	86.62	70.65	6.07	110.76	N/A	515.37	51,651	8.91
2019	19.49	90.98	51.32	76.58	26.39	18.04	86.56	77.33	132.16	95.96	N/A	674.81	61,554	9.79
2020	23.61	72.42	55.94	47.68	21.95	18.39	79.33	67.64	94.01	97.88	90.78	669.63	62,719	9.53
											AVERAGE USE FOR PERIOD OF 2018 - 2020 =	619.94	58,641	9.41
											TOTAL USE FOR PERIOD OF 2018 - 2020 =	1,859.81		

¹ PROJECTED USE = MONTHLY AVERAGE GALLONS/HEAD/DAY x DAYS/MONTH x AVERAGE HEADCOUNT

² RECORDED USE THROUGH OCTOBER 2020, WITH THE ESTIMATED ADDITIONAL VOLUME FOR NOVEMBER AND DECEMBER INCLUDED IN THE 2020 TOTAL ANNUAL USE.

1 AF = 325,851 GALLONS

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DEC 08 2020

Garden City Field Office
Division of Water Resources

KLA ENVIRONMENTAL SERVICES, INC.

PROJECT: **MIDWEST FEEDERS, INC.**

LOCATION: **SEC. 19 T24S R28W AND SEC. 24 & 25 T24S R29W, GRAY COUNTY, KANSAS**

BY: **CSG**
DATE: **12/15/2020**

CHECKED BY: **KMB**
DATE: **12/15/2020**

SUMMARY OF STOCKWATER USE FOR WCA PERIOD JANUARY 2018 - NOVEMBER 2020

YEAR	ANNUAL WATER USE IN ACRE-FEET BY STOCKWATER FILE NO.										TOTAL ANNUAL USE (AF)	AVERAGE HEAD COUNT	RATE (GALLONS/HEAD/DAY)
	4,887 (5) & 22,122 (5) WELL 8	10,639 (4) & 32,786 (4) WELL 1	10,639 (6) & 32,786 (6) WELL 2	10,369 (7) & 32,787 (7) WELL 3	10,999 (6) WELL 5	10,999 (7) WELL 4	10,999 (9) WELL 6	10,999 (10) WELL 7	22,121 (3) WELL 10	22,122 (2) WELL 9			
2018	23.46	79.57	40.37	44.98	22.52	30.37	86.62	70.65	6.07	110.76	515.37	51,651	8.91
2019	19.49	90.98	51.32	76.58	26.39	18.04	86.56	77.33	132.16	95.96	674.81	61,554	9.79
2020	27.32	78.63	61.27	48.59	22.73	19.26	82.38	69.96	101.89	111.21	623.24	62,721	9.69
AVERAGE RATE =												9.46	

PROJECTED STOCK USE

	2018 (GALLONS/HEAD/DAY)	2019 (GALLONS/HEAD/DAY)	AVERAGE (GALLONS/HEAD/DAY)	2020 AVERAGE HEADCOUNT	PROJECTED USE ¹ (GALLONS)
DECEMBER	7.91	7.81	7.86	62,719	15,282,112
TOTAL =					15,282,112

ESTIMATED ADDITIONAL VOLUME FOR 2020 = 15,282,112 GALLONS
= 46.90 AF

SUMMARY OF PROJECTED STOCKWATER USE FOR WCA PERIOD JANUARY 2018 - DECEMBER 2020²

YEAR	ANNUAL WATER USE IN ACRE-FEET BY STOCKWATER FILE NO.										ESTIMATED ADDITIONAL USE (AF)	TOTAL ANNUAL USE (AF)	AVERAGE HEAD COUNT	RATE (GALLONS/HEAD/DAY)
	4,887 (5) & 22,122 (5) WELL 8	10,639 (4) & 32,786 (4) WELL 1	10,639 (6) & 32,786 (6) WELL 2	10,369 (7) & 32,787 (7) WELL 3	10,999 (6) WELL 5	10,999 (7) WELL 4	10,999 (9) WELL 6	10,999 (10) WELL 7	22,121 (3) WELL 10	22,122 (2) WELL 9				
2018	23.46	79.57	40.37	44.98	22.52	30.37	86.62	70.65	6.07	110.76	N/A	515.37	51,651	8.91
2019	19.49	90.98	51.32	76.58	26.39	18.04	86.56	77.33	132.16	95.96	N/A	674.81	61,554	9.79
2020	27.32	78.63	61.27	48.59	22.73	19.26	82.38	69.96	101.89	111.21	46.90	670.14	62,719	9.54
AVERAGE USE FOR PERIOD OF 2018 - 2020 =											620.11	58,641	9.41	
TOTAL USE FOR PERIOD OF 2018 - 2020 =											1,860.32			

2018-2020 WCA AUTHORIZED QUANTITY = 2238.30 AF
2018-2020 WCA USED QUANTITY = 1860.32 AF
2018-2020 WCA REMAINDER QUANTITY = 377.98 AF

¹ PROJECTED USE = MONTHLY AVERAGE GALLONS/HEAD/DAY x DAYS/MONTH x AVERAGE HEADCOUNT

² RECORDED USE THROUGH NOVEMBER 2020, WITH THE ESTIMATED ADDITIONAL VOLUME FOR DECEMBER INCLUDED IN THE 2020 TOTAL ANNUAL USE.

1 AF = 325,851 GALLONS

KLA ENVIRONMENTAL SERVICES, INC.

PROJECT: MIDWEST FEEDERS, INC.

LOCATION: SEC. 19 T24S R28W AND SEC. 24 & 25 T24S R29W, GRAY COUNTY, KANSAS

BY: CSG
DATE: 11/19/2020

CHECKED BY: KMB
DATE: 11/23/2020

SUMMARY OF IRRIGATION USE FOR WCA PERIOD 2018 - 2020

YEAR	ANNUAL WATER USE IN ACRE-FEET			TOTAL ANNUAL USE (AF)
	10,639 (2), 22,121(2), & 22,122(2)	22,121 (3)	29,614 (9)	
2018	152.71	132.63	26.18	311.52
2019	169.53	0.00	18.86	188.39
2020 ¹	175.86	0.00	20.60	196.46
AVERAGE USE FOR PERIOD OF 2018 - 2020 =				232.12 AF
TOTAL USE FOR PERIOD OF 2018 - 2020 =				696.37 AF

¹ RECORDED USE THROUGH OCTOBER 2020. PROJECTED NO ADDITIONAL USE IN NOVEMBER NOR DECEMBER.

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DEC 08 2020

Garden City Field Office
Division of Water Resources

KLA ENVIRONMENTAL SERVICES, INC.

PROJECT: **MIDWEST FEEDERS, INC.**

LOCATION: **SEC. 19 T24S R28W AND SEC. 24 & 25 T24S R29W, GRAY COUNTY, KANSAS**

BY: **CSG**
DATE: 12/15/2020

CHECKED BY: **KMB**
DATE: 12/15/2020

SUMMARY OF IRRIGATION USE FOR WCA PERIOD 2018 - 2020

YEAR	ANNUAL WATER USE IN ACRE-FEET			TOTAL ANNUAL USE (AF)
	10,639 (2), 22,121(2), & 22,122(2)	22,121 (3)	29,614 (9)	
2018	152.71	132.63	26.18	311.52
2019	169.53	0.00	18.86	188.39
2020 ¹	180.84	0.00	21.79	202.63
AVERAGE USE FOR PERIOD OF 2018 - 2020 =				234.18 AF
TOTAL USE FOR PERIOD OF 2018 - 2020 =				702.54 AF

2018-2020 WCA AUTHORIZED QUANTITY = 862.26 AF

2018-2020 WCA USED QUANTITY = 702.54 AF

2018-2020 WCA REMAINDER QUANTITY = 159.72 AF

¹ RECORDED USE THROUGH NOVEMBER 2020. PROJECTED NO ADDITIONAL USE IN DECEMBER.

KLA ENVIRONMENTAL SERVICES, INC.

PROJECT: **MIDWEST FEEDERS, INC.**

LOCATION: **SEC. 19 T24S R28W AND SEC. 24 & 25 T24S R29W, GRAY COUNTY, KANSAS**

BY: **CSG**
DATE: 12/15/2020

CHECKED BY: **KMB**
DATE: 12/15/2020

SUMMARY OF WATER USE FOR WCA PERIOD 2018 - 2020

YEAR	STOCKWATER USE (AF)	IRRIGATION WATER USE (AF)	TOTAL ANNUAL USE (AF)
2018	515.37	311.52	826.89
2019	674.81	188.39	863.20
2020 ¹	670.14	202.63	872.77
AVERAGE USE FOR PERIOD OF 2018 - 2020 =			854.29 AF
TOTAL USE FOR PERIOD OF 2018 - 2020 =			2562.86 AF

2018-2020 WCA AUTHORIZED QUANTITY = **3100.56 AF**

2018-2020 WCA USED QUANTITY = **2562.86 AF**

2018-2020 WCA REMAINDER QUANTITY = 537.70 AF

¹ RECORDED USE THROUGH NOVEMBER 2020. PROJECTED USE IN DECEMBER.