

Submit To:
CHIEF ENGINEER
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan, KS 66502-5000
<http://agriculture.ks.gov/dwr>

APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

Water Resources Received
KS Dept Of Agriculture



STATUTORY FILING FEE MUST ACCOMPANY THIS APPLICATION
Please refer to the Fee Schedule attached to this application form.

***STREAM NAME**

File Number: **51230**

This item to be completed by the Division of Water Resources staff.

1. Name of Applicant: WICKSTRUM FARMS INC
Address: 11870 HWY 13
City: WESTMORELAND State: KS Zip Code: 66549-9660
Phone: 785-457-3549 Email: SWICKSTRUM@GMAIL.COM

2. The source of water is: surface water in UNNAMED TRIB (stream)
 groundwater in BIG BLUE RIVER (drainage basin)

3. The maximum annual quantity of water desired is 773 acre-feet gallons
to be diverted at a maximum rate of ALL NAT FLOWS gpm c.f.s. natural flows natural evaporation
 This project involves surface water storage and redirection. The maximum annual quantity of water desired to be
rediverted is 555 acre-feet gallons, at a rate of 1200 gpm c.f.s.

Conversion Factors

1 acre-foot (AF) = 325,851 gallons
1 million gallons (mg) = 3.07 acre-feet (AF)
1 cubic foot per second (c.f.s.) = 448.8 gallons per minute (gpm)

IMPORTANT: Once your application has been assigned a priority date and file number, the requested maximum rate of diversion and maximum requested annual quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum annual quantity of water are appropriate and reasonable for your proposed project.

4. The water is intended to be appropriated for the following use(s):
 Artificial Recharge* Irrigation* Recreational* Water Power*
 Industrial* Municipal* Stockwatering* Sediment Control
 Domestic Dewatering Hydraulic Dredging Fire Protection
 Thermal Exchange Contamination Remediation

***IMPORTANT:** You **must** submit a supplemental form providing information to substantiate your request for the quantity of water listed in Item No. 3 for the intended use(s) referenced above.

FOR OFFICE USE ONLY															
FO	<u>1</u>	GMD	-	DUA	-	IRR/STK	Use	Source	<u>S</u>	County	<u>PT</u>	By	<u>KJN</u>	Date	<u>4/29/24</u>
Code	<u>RE3</u>	Fee \$	<u>400</u>	TR #	<u>PY2404R76T4</u>	Receipt Date	<u>04/25/24</u>	Check #							

Application should only be \$360, \$40 refund is needed*

5/2/2024
KAnderson

4/30/2024
KJN

5. The location(s) of the proposed diversion work(s) (well ^{KS Dept. of Agriculture} ~~KS Dept. of Agriculture~~ described below. Note that for the application to be accepted, the point of diversion location(s) **must** be described to at least a 10-acre tract, unless you specifically request a 60-day period of time in which to locate the site within a specifically described, minimal legal quarter section of land. You can specify a nickname for the point of diversion via the A.K.A. line to help you identify it.

If the source of supply is groundwater, a separate application shall be filed for each proposed well or battery of wells, except that a single application may include up to four wells within a circle with a quarter (1/4) mile radius in the same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per well.

A battery of wells is defined as two or more wells connected to a common pump by a manifold; or not more than four wells in the same local source of supply within a 300-foot radius circle which are being operated by pumps not to exceed a total maximum diversion rate of 800gpm and which supply water to a common distribution system.

(A) One in the SE quarter of the NE quarter of the NE quarter of Section 19, more particularly described as being near a point 4100 feet North and 560 feet West of the Southeast corner of said section, in Township 8 South, Range 8 E W, POTTAWATOMIE County, KS. A.K.A: _____

(B) One in the SE quarter of the SE quarter of the SW quarter of Section 19, more particularly described as being near a point 600 feet North and 3010 feet West of the Southeast corner of said section, in Township 8 South, Range 8 E W, POTTAWATOMIE County, KS. A.K.A: _____

(C) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ E W, _____ County, KS. A.K.A: _____

(D) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ E W, _____ County, KS. A.K.A: _____

(E) One in the _____ quarter of the _____ quarter of the _____ quarter of Section _____, more particularly described as being near a point _____ feet North and _____ feet West of the Southeast corner of said section, in Township _____ South, Range _____ E W, _____ County, KS. A.K.A: _____

6. The proposed project for diversion of water will consist of 2 DAMS
(number of wells, pumps, dams, etc.)
and was/will be completed on or by the following date: UPON APPROVAL
(date each was or will be completed)

7. The first actual application of water for the proposed beneficial use was or is estimated to be UPON APPROVAL
(Date)

8. List any application, appropriation of water, water right, or vested right file number that covers the same point(s) of diversion or any of the same place of use described in this application. Also list any other recent modifications made to existing permits or water rights in conjunction with the filing of this application.

STOCK USE - P/U OVERLAP = 46470; 48177 & 50013

IRR USE - P/U OVERLAP = 48529 & 50290

9. Will pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion works?

Yes No

If yes, a check valve shall be required. All chemigation safety requirements must be met including a chemigation permit and reporting requirements.

10. If you are planning to impound water, please contact DWR prior to submitting this application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you made an application for a permit for construction of this dam and reservoir with DWR? Yes No

If yes, write the Water Structures permit number here: _____

11. Furnish a detailed topographic or aerial map that depicts the following information:

The application **must** be supplemented by a topographic map, aerial photograph or a detailed plat showing the information described in A-D below.

(A) The center of the section, the section lines or the section corners, and labels showing the appropriate section, township and range numbers, as well as a north arrow and scale,

(B) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) described in Item No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section,

(C) The location of the proposed place of use identified by crosshatching,

(D) **For Groundwater Use**, the location of any existing water wells of any kind within 1/2 mile of the proposed well or wells and indicate for each well its type of use and the name and mailing address of the property owner or owners, (If there are no wells within 1/2 mile, please indicate that on the map.)

For Surface Water Use, the names and addresses of the landowner(s) 1/2 mile downstream and 1/2 mile upstream from your property lines, and

(E) The locations of proposed or existing dams, dikes, reservoirs, canals, pipelines, power houses, and any other structures for the purpose of storing, conveying, or using water.

12. For groundwater use, furnish copies of the driller's logs for all test holes or completed wells. Please ensure that the driller's logs provide depth to the static water level. If driller's logs cannot be obtained for an existing well, provide the following information:

Well location as shown in Item No. 5	(A)	(B)	(C)	(D)	(E)
Date drilled	_____	_____	_____	_____	_____
Total depth of well	_____	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____	_____

13. The owner(s) of the point of diversion, if other than the applicant is:

APPLICANT

(name, address, and phone)

(name, address, and phone)

KS Dept Of Agriculture

14. The owner(s) of the property where the water is used, if other than the applicant, is:

APPLICANT

(name, address, and phone)

(name, address, and phone)

15. The relationship of the applicant to the proposed place where the water will be used is that of:

Owner Agent Tenant Other: _____

16. A water use correspondent (WUC) must be designated. The WUC will be mailed the annual water use report, which must be filed with the Division by March 1 of each year. Failure to timely file an accurate water use report will subject the owner(s) to a civil fine of up to \$1,000 and potential suspension of the water appropriation or right. By signing this application, I verify that the owner(s) of the water right or permit have confirmed that the following person or agent should be designated as the WUC:

APPLICANT

(name, address, and phone)

17. I understand that if this application is approved, there could be times, as determined by the Division of Water Resources, when I would not be allowed to divert water. This could affect the economics of my decision to appropriate water. Situations where this might occur may include times when minimum desirable streamflow (MDS) requirements are not met, when Assurance District or Water Marketing releases are made from storage in federal reservoirs, when a Water Reservation Right upstream of a federal reservoir is administered, or when water rights administration becomes necessary to prevent impairment.

I declare, under penalty of perjury, that I have legal access to or control of, the point(s) of diversion described in this application from the landowner or the landowner's authorized representative.

By signing below, I verify that the information set forth above is true to the best of my knowledge, I agree with all statements made above, and that this application is submitted in good faith.

Larry Wickstrom

(Applicant Signature)

4-12-24

(Date)

LARRY WICKSTROM

(Applicant Name - please print)

(Applicant Title, if applicable - please print)

Assisted by **BRETT BUNGER**

TFO/WATER COMMISSIONER

(office/title)

Date: **3-6-24**

FEE SCHEDULE

Make checks payable to the Kansas Department of Agriculture.

KS Dept Of Agriculture

1. The fee for an application for a permit to appropriate water for beneficial use, except for domestic, waterpower, dewatering, or sediment control use, shall be (see No. 2 below if requesting storage):

Million Gallons (mg)	Acre-Feet (AF)	Fee
≤ 32.585	≤ 100	\$200.00
32.586 - 104.272	100.1 – 320.0	\$300.00
> 104.272	> 320	\$300.00 plus \$20 for each additional 100AF (32.586mg) or any part thereof

2. The fee for an application in which **storage** of water is requested, except for domestic use, shall be:

Million Gallons (mg)	Acre-Feet (AF)	Fee
≤ 81.462	≤ 249.9	\$200.00
≥ 81.463	≥ 250	\$200.00 plus \$20 for each additional 100AF (32.586mg) or any part thereof

Note: If an application requests both direct use *and* storage, the fee charged shall be as determined under No. 1 or No. 2 above, whichever is greater, but not both fees.

3. The fee for an application for **waterpower** or **dewatering** use shall be \$100.00 plus \$200.00 for each 44,880 gallons per minute (100 c.f.s.), or part thereof, of the diversion rate requested.

IMPORTANT NOTICE

If this application is approved, the applicant shall notify the Chief Engineer when the diversion works (well, pump, reservoir, pit, etc.) has/have been completed via the *Notice of Completion of Diversion Works* form (DWR 1-203.11) and along with the statutorily required field inspection fee of:

- \$200.00 for sediment control use or groundwater pits for industrial use, or
- \$400.00 for all other uses made of water

Failure to complete the diversion works by the deadline specified in the *Approval of Application and Permit to Proceed* (or any subsequent extension of time of said deadline) and/or failure to submit the proper notice and field inspection fee will result in the dismissal of the appropriation and forfeiture of any priority associated with it.

For assistance with this application, please contact the Division of Water Resources (DWR).

Manhattan HQ
1320 Research Park Dr.
Manhattan, KS 66502
785-564-6638

Topeka Field Office
1131 SW Winding Rd, Ste 400
Topeka, KS 66615
785-296-5733

Stafford Field Office
300 S. Main St
Stafford, KS 67578
620-234-5311

Stockton Field Office
820 S. Walnut
Stockton, KS 67669
785-425-6787

Garden City Field Office
4532 W. Jones Ave, Ste B
Garden City, KS 67846
620-276-2901

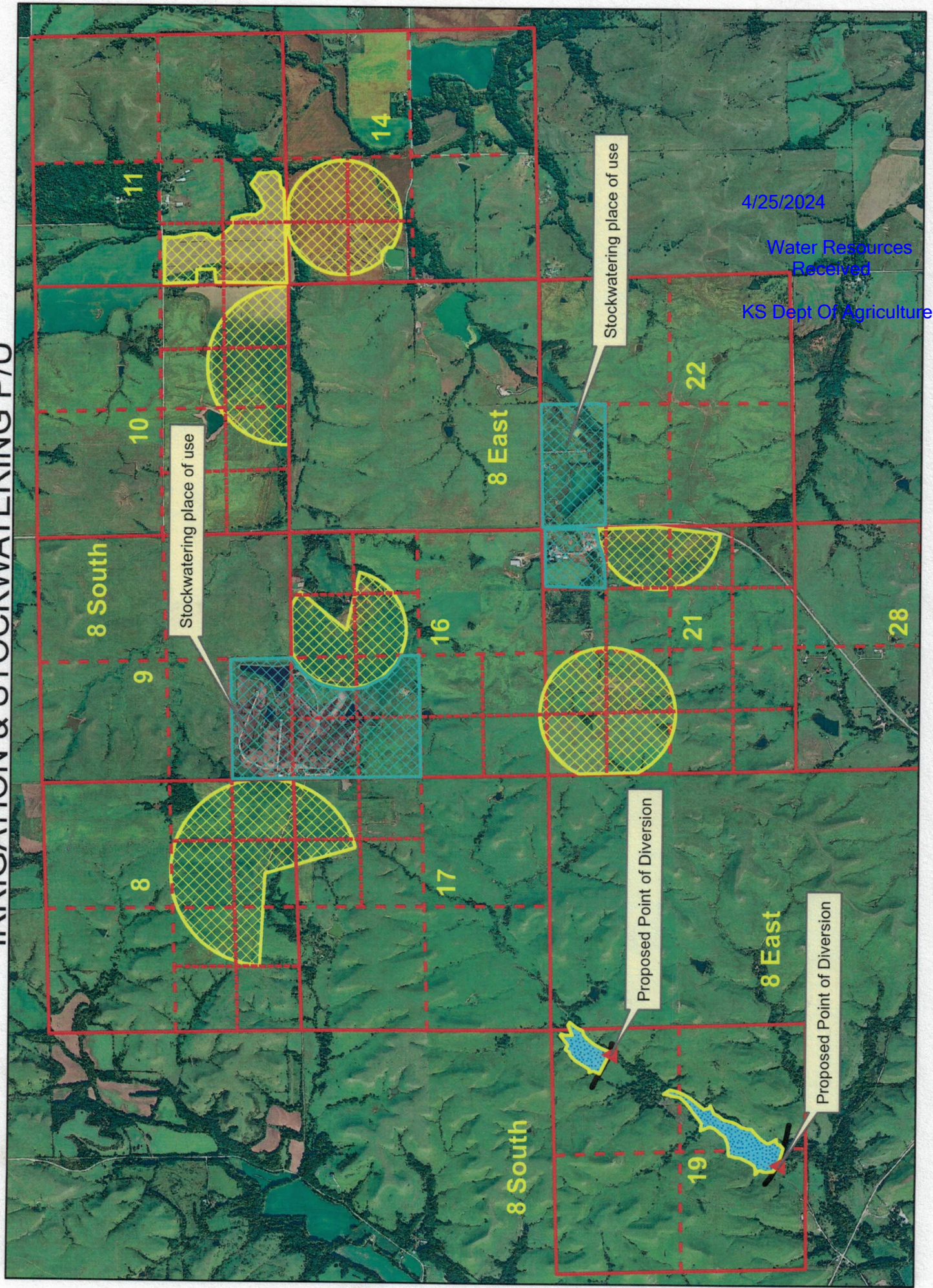
Helpful Sources of Information

DWR Water Appropriation Program
DWR Water Appropriation Forms
KGS Water Well Completion Records
DWR Structures Program

<https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation>
<https://agriculture.ks.gov/divisions-programs/dwr/water-appropriation/water-appropriation-forms>
<https://www.kgs.ku.edu/Magellan/WaterWell/index.html>
<https://agriculture.ks.gov/divisions-programs/dwr/dam-safety/permit-requirements>

1:30,000

NEW APPLICATION IRRIGATION & STOCKWATERING P/U



4/25/2024
Water Resources
Received
KS Dept Of Agriculture

**IRRIGATION USE
SUPPLEMENTAL SHEET**

File No. _____

Name of Applicant (Please Print): WICKSTRUM FARMS INC

1. Please supply the name and address of each landowner, the legal description of the lands to be irrigated, and designate the actual number of acres to be irrigated in each forty acre tract or fractional portion thereof:

Landowner of Record NAME: WICKSTRUM FARMS INC

ADDRESS: 11870 HIGHWAY 13 WESTMORELAND KS 66549

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL			
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE				
8	8	8E											21				15.5	21	39	31	39.5	167
10	8	8E															18	3	8.5	40	34	103.5
11	8	8E											26	39	14.5							79.5
14	8	8E					31	26	22	25.5												104.5
16	8	8E		31	31	5.5	15.5			9				1.5	1.5							95
17	8	8E	22	10																		32
21	8	8E	2		.5	35.5	33	32.5	35	35	1.5	1.5					22					198.5

TOTAL = 780 ACRES

Landowner of Record NAME: _____

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE					

Landowner of Record NAME: _____

ADDRESS: _____

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL				
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE					

**STOCKWATER USE
SUPPLEMENTAL SHEET**

File No. _____

Name of Applicant (Please Print): WICKSTRUM FARMS INC

1. Please indicate type of livestock (cattle, hogs, etc.): CATTLE

2. Please complete the following table showing past and present water requirements:

PAST NUMBER OF HEAD AND WATER DIVERTED, IF APPLICABLE

LAST 5 YEARS	NUMBER OF HEAD	WATER DIVERTED (GALLONS)	GALLONS PER HEAD PER DAY
5 years ago	1625	2100000	19
Last year	7891	41858000	14.55
Present Year			

3. Please complete the following table showing estimated future water requirements:

ESTIMATED FUTURE NUMBER OF HEAD AND WATER DIVERTED

NEXT 5 YEARS	NUMBER OF HEAD	WATER TO BE DIVERTED (GALLONS)	GALLONS PER HEAD PER DAY
Year 1	8000	43800000	15
Year 2	12000	65700000	15
Year 3	15000	82125000	15
Year 4	18000	98550000	15
Year 5	20000	109500000	15

4. Please designate the legal description of the location where the water is to be used. Show in the space provided below the Section (S), Township (T), and Range (R), and the number of acres in each forty acre tract or fractional portion thereof.

STOCKWATERING USE IN THE (S1/2 SW1/4) OF SECTION 9, NW1/4 OF SECTION 16, (NE1/4 NE1/4) OF SECTION 21 AND THE (N1/2 NW1/4) OF SECTION 22, ALL IN TOWNSHIP 8 SOUTH, RANGE 8 EAST, POTTAWATOMIE COUNTY KANSAS

S	T	R	NE¼				NW¼				SW¼				SE¼				TOTAL
			NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	NE	NW	SW	SE	

UPSTREAM AND DOWNSTREAM LANDOWNERS

Upstream – APPLICANT OWNS ALL LAND ASSOCIATED WITH THIS TRIBUTARY ON THE UPSTREAM SIDE OF THE POINTS OF DIVERSION

Downstream –

#1) DOROTHY CAMBELL
PO BOX 282
WESTMORELAND KS 66549

STORAGE CALCULATIONS

RUNOFF CALCS

PRECIP = 32"

DRAINAGE AREA = 1300 ACRES

RUNOFF @ 20% CHANCE = 1119 AF

SOUTH POND RESERVOIR CAPACITY = 90 AF

NORTH POND RESERVOIR CAPACITY = 95 AF

TOTAL RESERVOIR CAPACITY = 185 AF

SOUTH POND SURFACE AREA = 14 ACRES

NORTH POND SURFACE AREA = 12.1 ACRES

TOTAL SURFACE AREA = 26.1 ACRES

NET EVAPORATION = 15"

1 YEAR NET EVAP = 26.1 ACRES X 15"/12" = 32.6 AF

STOCK USE DIRECT = 336 AF (109,485,936 GALLONS)

IRRIGATION USE DIRECT = 555 AF

DIRECT USE TOTAL = 555 ACRE-FEET

TO ALLOW FLEXIBILITY BETWEEN THE TWO USES, THE DIRECT USE QUANTITY IS LIMITED TO 555 ACRE- FEET WHEN THE TWO USES ARE COMBINED

QUANTITY FOR IRRIGATION USE IS FURTHER LIMITED TO 858 AF WHEN COMBINED WITH 48529 & 50290

QUANTITY FOR STOCKWATERING USE IS FURTHER LIMITED TO 109,485,936 GALLONS WHEN COMBINED WITH 46470; 48177 & 50013

STORAGE QUANTITY CALCULATION = 555 AF + 185 AF + 32.6 AF = 772.6 (773)AF

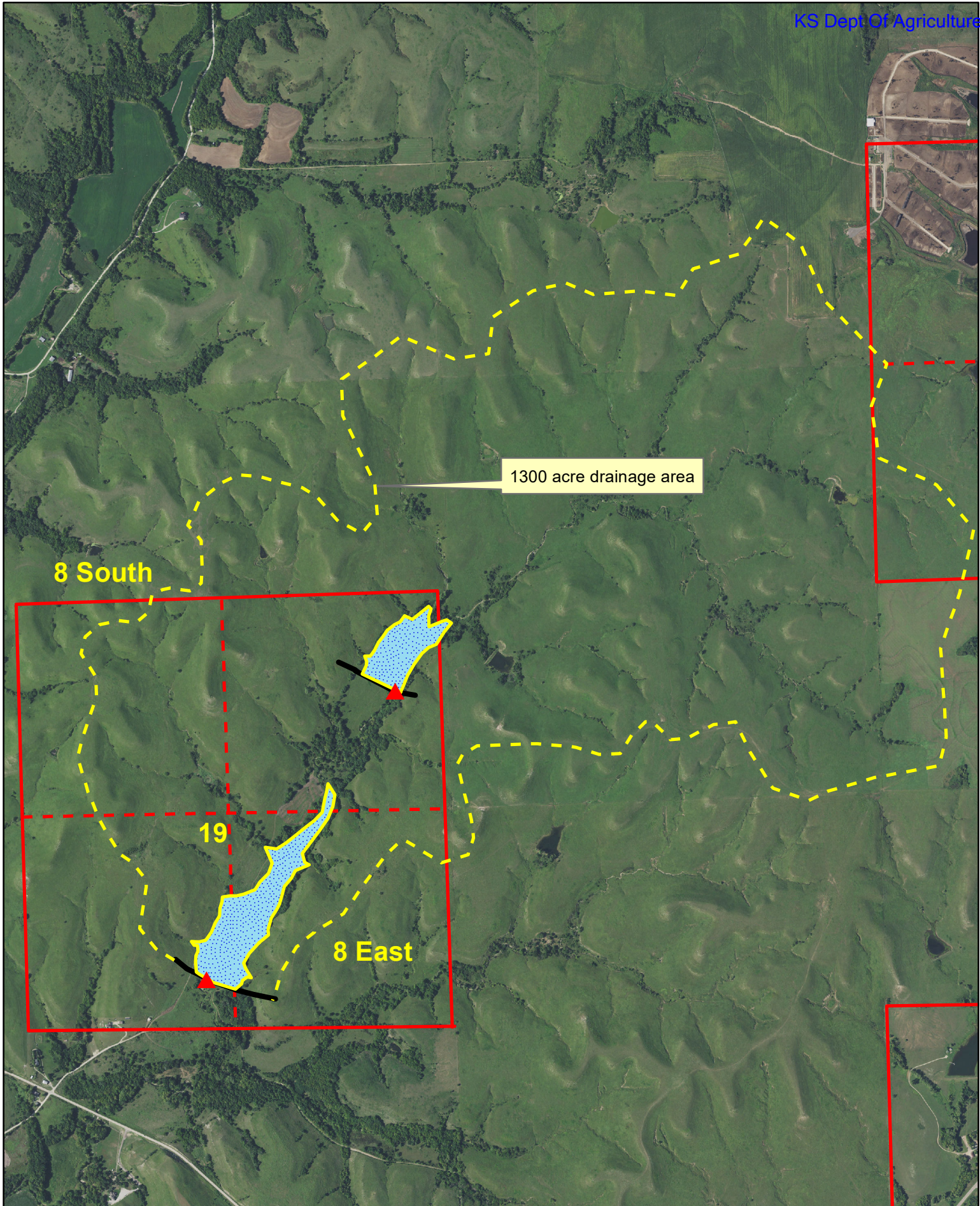
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DRAINAGE AREA MAP

4/25/2024

Water Resources
Received

KS Dept Of Agriculture



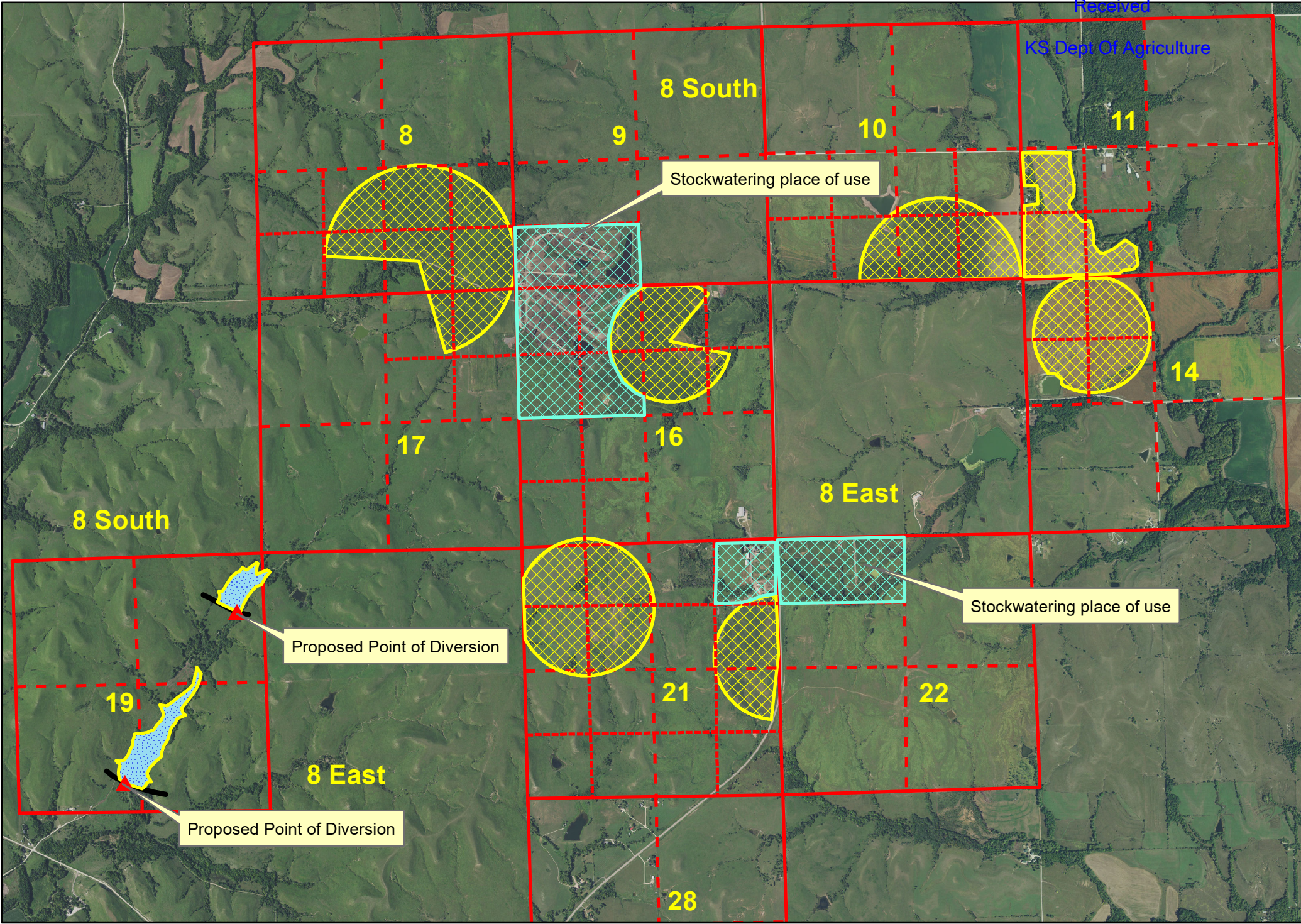
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NEW APPLICATION IRRIGATION & STOCKWATERING P/U

4/25/2024

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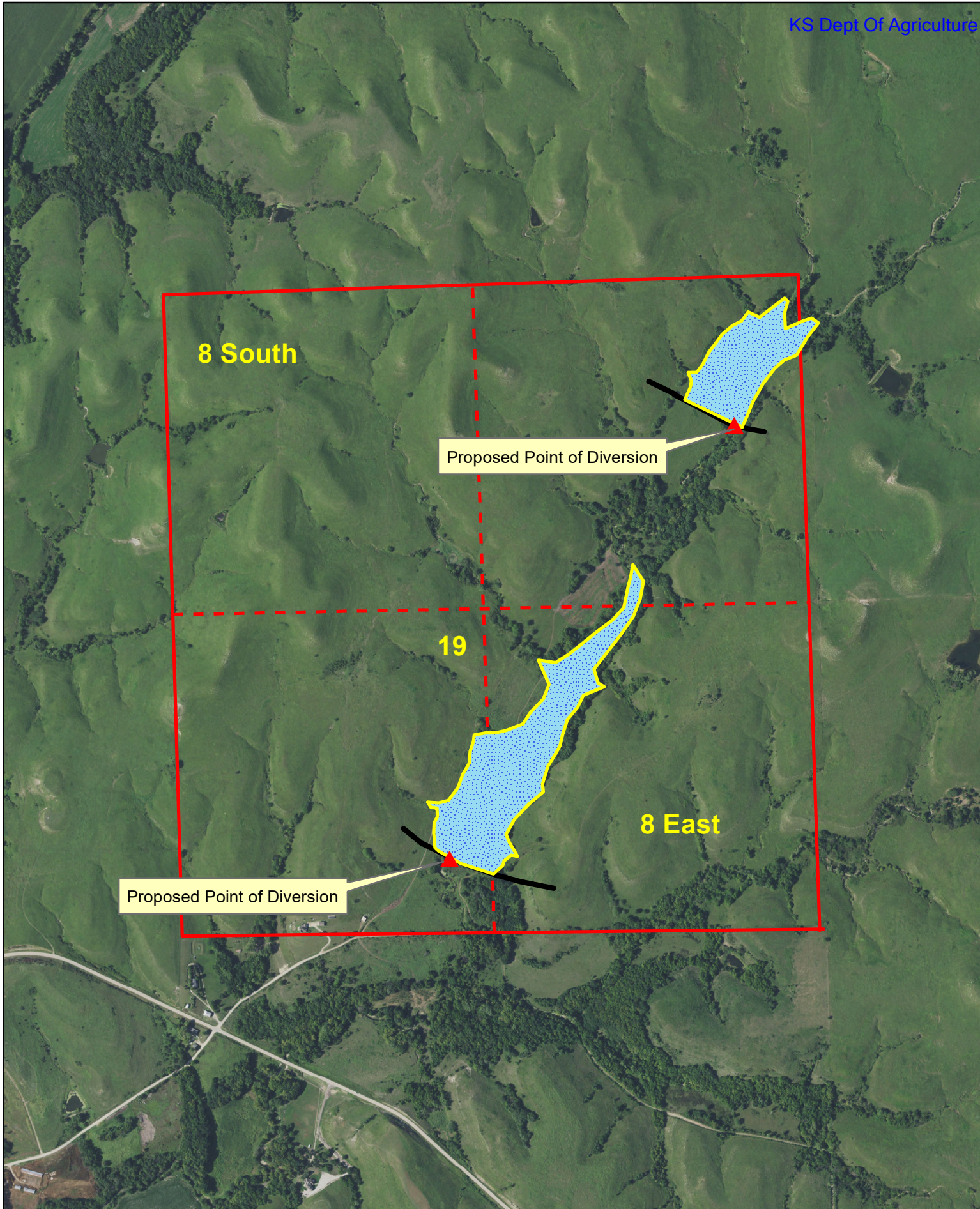
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NEW APPLICATION

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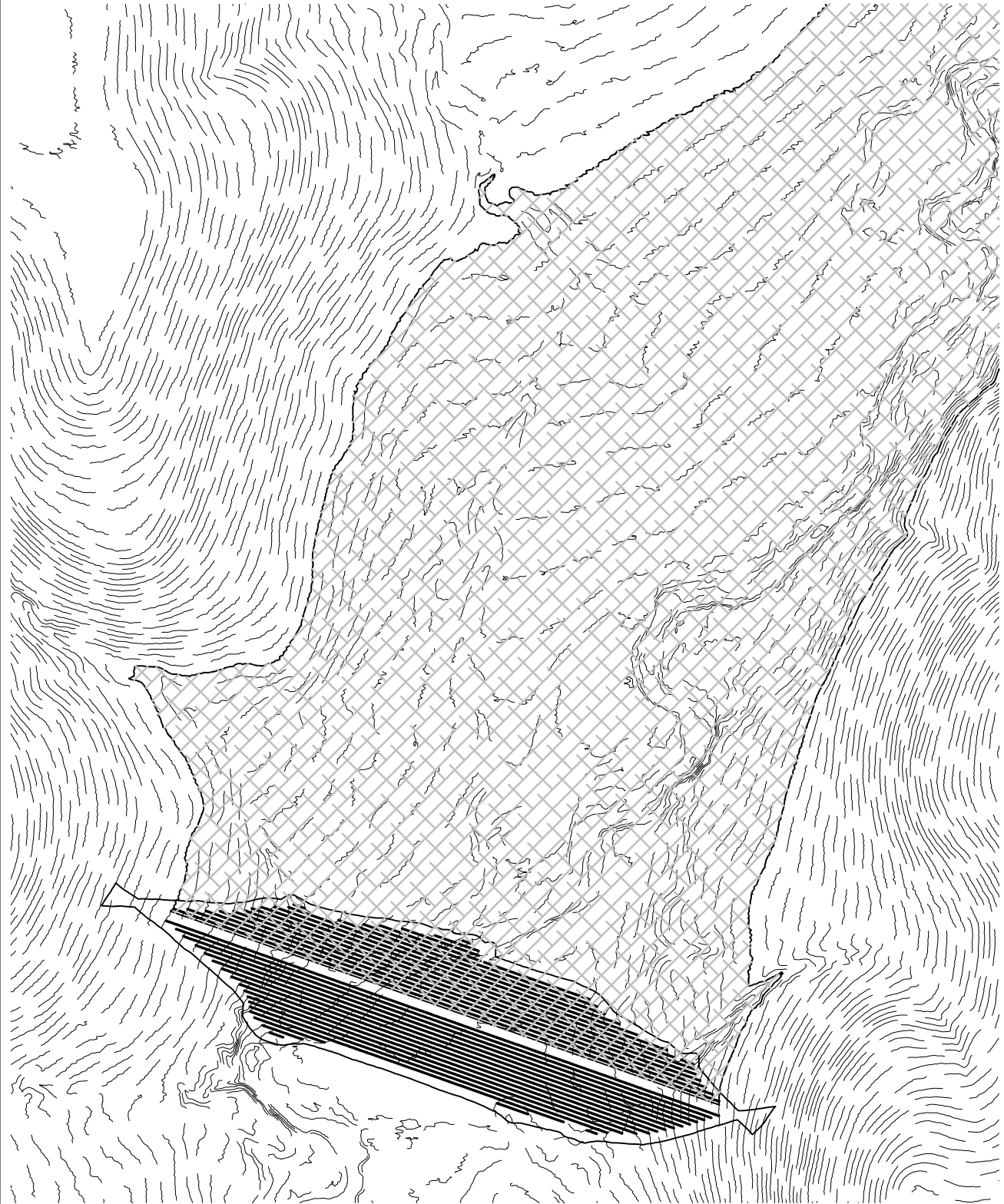


TOPOGRAPHIC SURVEY

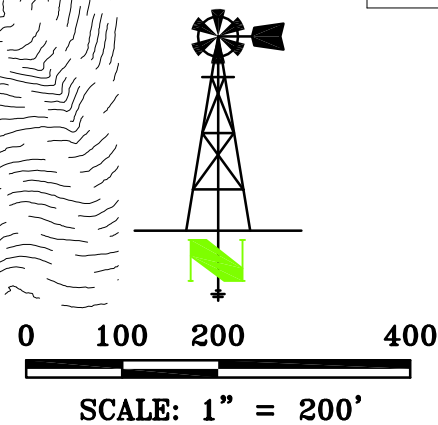
Compute Proposed Stream Obstruction Volume in Section 19, Township 8 South, Range 8 East of the Sixth Principal Meridian, Pottawatomie County, Kansas

4/25/2024

Water Resources
Received
KS Dept Of Agriculture



Water 1220.5
ES 1222.5
Top dam 1227



Contour	Area	Inc Volume	Total Volume	Ac. Ft.	Embankment	Height
1200	-					
1201	9.53	4.77	4.765	0.0001		0.69
1202	2,438.46	1,224.00	1,228.760	0.0282		1.69
1203	6,045.96	4,242.21	5,470.970	0.1256		2.69
1204	13,730.43	9,888.20	15,359.165	0.3526		3.69
1205	21,325.69	17,528.06	32,887.225	0.7550		4.69
1206	33,894.79	27,610.24	60,497.465	1.3888		5.69
1207	45,837.81	39,866.30	100,363.765	2.3040		6.69
1208	83,632.73	64,735.27	165,099.035	3.7902		7.69
1209	114,564.76	99,098.75	264,197.780	6.0651		8.69
1210	145,346.53	129,955.65	394,153.425	9.0485		9.69
1211	177,685.07	161,515.80	555,669.225	12.7564		10.69
1212	215,710.33	196,697.70	752,366.925	17.2720		11.69
1213	248,740.83	232,225.58	984,592.505	22.6031		12.69
1214	282,870.66	265,805.75	1,250,398.250	28.7052		13.69
1215	324,967.09	303,918.88	1,554,317.125	35.6822		14.69
1216	372,164.73	348,565.91	1,902,883.035	43.6842		15.69
1217	424,231.87	398,198.30	2,301,081.335	52.8256		16.69
1218	479,593.88	451,912.88	2,752,994.210	63.2001		17.69
1219	542,137.94	510,865.91	3,263,860.120	74.9279		18.69
1220	600,190.29	571,164.12	3,835,024.235	88.0400		19.69
1221	651,691.60	625,940.95	4,460,965.180	102.4097		20.69
1222	705,563.96	678,627.78	5,139,592.960	117.9888		21.69
1223	768,036.44	736,800.20	5,876,393.160	134.9034		22.69
1224	826,562.84	797,299.64	6,673,692.800	153.2069		23.69
1225	889,791.44	858,177.14	7,531,869.940	172.9079		24.69
1226	956,020.68	922,906.06	8,454,776.000	194.0949		25.69
1227	1,022,682.25	989,351.47	9,444,127.465	216.8073		26.69
1228	1,092,522.04	1,057,602.15	10,501,729.610	241.0865		27.69
1229	1,166,298.76	1,129,410.40	11,631,140.010	267.0142		28.69
1230	1,232,609.41	1,199,454.09	12,830,594.095	294.5499		29.69
1231	1,299,725.19	1,266,167.30	14,096,761.395	323.6171		30.69
1232	1,373,575.12	1,336,650.16	15,433,411.550	354.3024		31.69
1233	1,460,726.43	1,417,150.78	16,850,562.325	386.8357	52,336	32.69
1234	1,562,873.96	1,511,800.20	18,362,362.520	421.5418	56,546	33.69
1235	1,661,256.27	1,612,065.12	19,974,427.635	458.5498	60,952	34.69
1236	1,749,585.16	1,705,420.72	21,679,848.350	497.7008	65,556	35.69
1237	1,833,709.15	1,791,647.16	23,471,495.505	538.8314	70,365	36.69
1238	1,924,536.73	1,879,122.94	25,350,618.445	581.9701	75,376	37.69
1239	2,009,772.31	1,967,154.52	27,317,772.965	627.1298	80,596	38.69
1240	2,093,873.99	2,051,823.15	29,369,596.115	674.2332	86,023	39.69

General Notes for Site:
 No Field verification of LIDAR elevations performed.
 Front toe of stream obstruction elevation: 1202.16'
 Rear toe of stream obstruction elevation: 1200.31'
 Assumed top of structure width: 12
 Assumed front and back slope: 3:1

LAND SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THIS SURVEY
 WAS DONE BY THE UNDERSIGNED, AND
 THAT THE SURVEY WAS DONE ON THE
 GROUND ON _____.



THIS DRAWING ORIGINALLY CREATED AT SPECIFIED SCALE. IF LINE BELOW DOES NOT MEASURE 1 INCH, DRAWING HAS BEEN REDUCED.

ORIGINAL DRAWING
SIZE: 1 INCH

JORGENSEN SURVEYING
 73051 617 Ave
 Tecumseh, NE 68450
 (402) 335-2033
 jorgensensurveying@gmail.com

Stream Obstruction

Sec 19, T8S, R8E
 Pottawatomie County, Kansas

PREPARED FOR
 MWI - Wickstrum Ranch LLC

SCALE	1"=200'
FIELD ON:	-
CHK. BY	MARCY
DWN. BY	BRENT
DATE:	12/26/23
SHEET	1 OF 2
JOB NO.	5262.185

TOPOGRAPHIC SURVEY

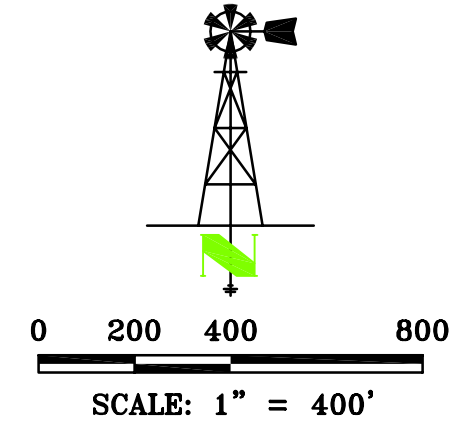
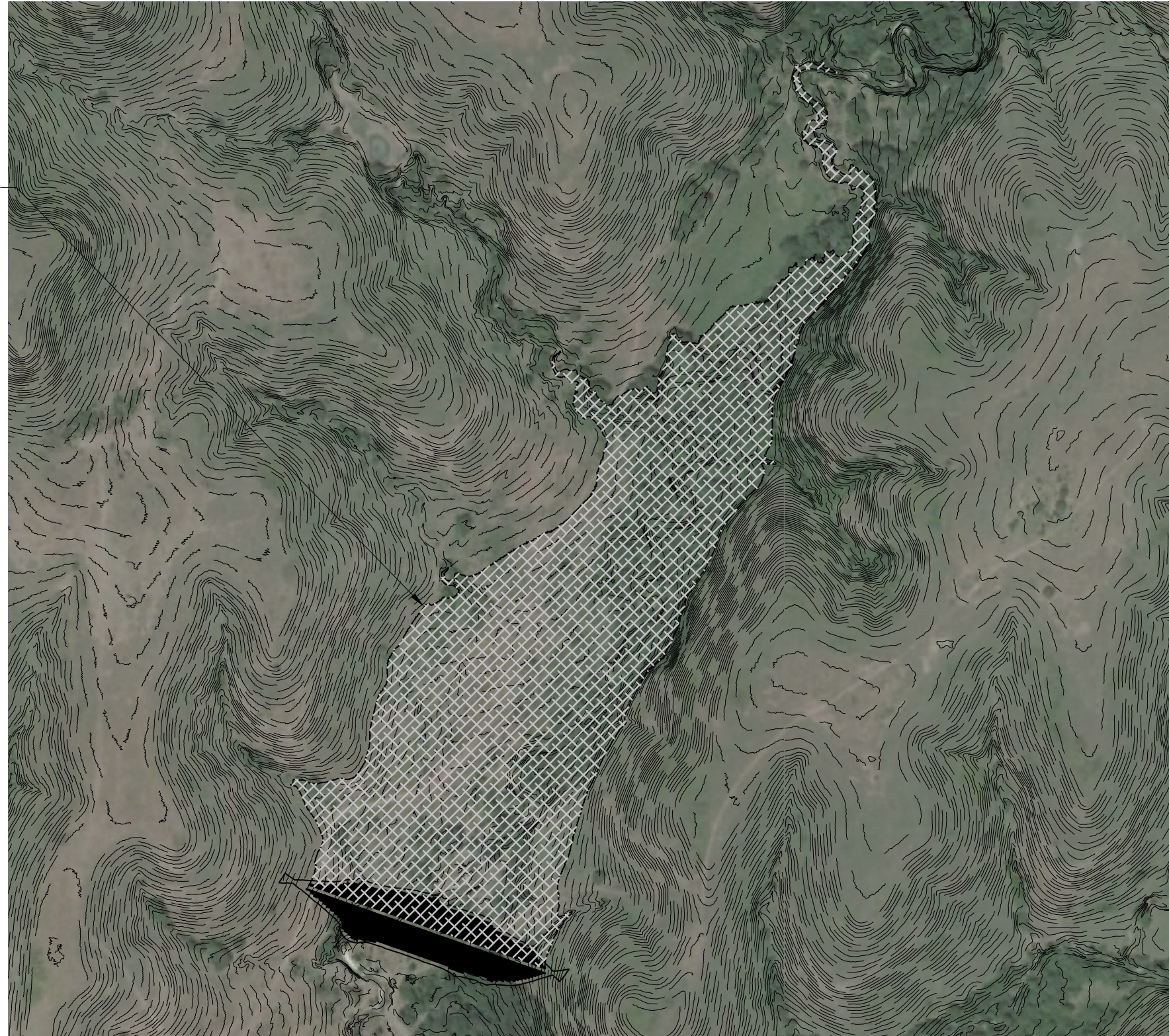
Compute Proposed Stream Obstruction Volume in
Section 19, Township 8 South, Range 8 East of the
Sixth Principal Meridian, Pottawatomie County, Kansas

4/25/2024

Water Resources
Received

KS Dept Of Agriculture

Water Level at
Elev: 1232'



THIS DRAWING ORIGINALLY CREATED AT
SPECIFIED SCALE. IF LINE BELOW DOES NOT
MEASURE 1 INCH, DRAWING HAS BEEN
REDUCED.

ORIGINAL DRAWING
SIZE: 1 INCH

JORGENSEN
SURVEYING
73051 617 Ave
Tecumseh, NE 68450
(402) 335-2033
jorgensensurveying@gmail.com

Stream Obstruction

Sec 19, T8S, R8E
Pottawatomie County, Kansas

PREPARED FOR
MWI - Wickstrum Ranch LLC

SCALE	1"=400'
FIELD ON:	-
CHK. BY	MARCY
DWN. BY	BRENT
DATE:	12/26/23

SHEET 2 OF 2

JOB NO.
5262.185

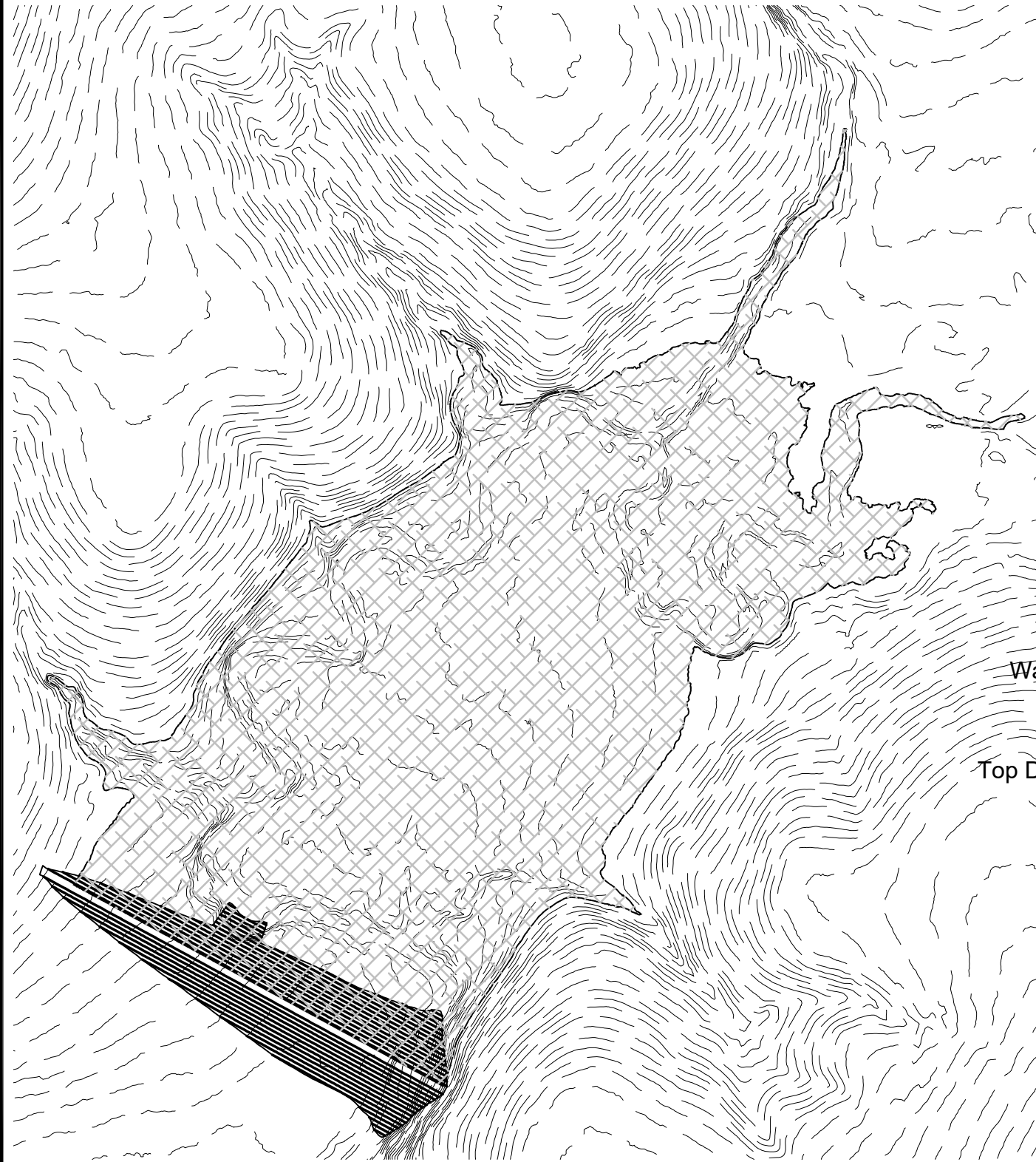
TOPOGRAPHIC SURVEY

Compute Proposed Stream Obstruction Volume in
Section 19, Township 8 South, Range 8 East of the
Sixth Principal Meridian, Pottawatomie County, Kansas

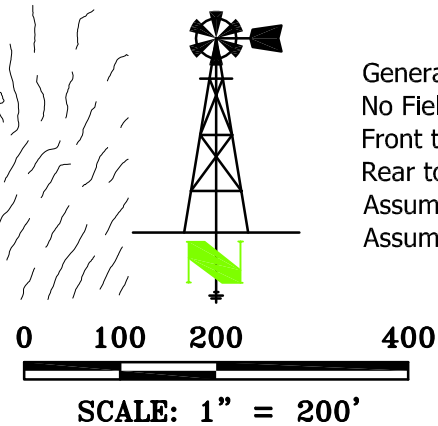
4/25/2024

Water Resources
Received

KS Dept Of Agriculture



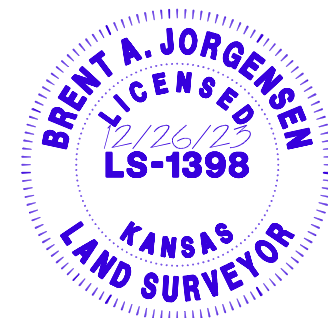
Contour	Area	Inc Volume	Total Volume	Ac. Ft.	Embankment	Height
1245	-					
1246	443.97	221.99	221.985	0.0051		1.41
1247	1,903.43	1,173.70	1,395.685	0.0320		2.41
1248	4,752.93	3,328.18	4,723.865	0.1084		3.41
1249	9,865.11	7,309.02	12,032.885	0.2762		4.41
1250	14,251.66	12,058.39	24,091.270	0.5531		5.41
1251	19,657.98	16,954.82	41,046.090	0.9423		6.41
1252	29,649.29	24,653.64	65,699.725	1.5083		7.41
1253	39,848.60	34,748.95	100,448.670	2.3060		8.41
1254	50,527.55	45,188.08	145,636.745	3.3434		9.41
1255	68,053.30	59,290.43	204,927.170	4.7045		10.41
1256	89,748.92	78,901.11	283,828.280	6.5158		11.41
1257	108,175.50	98,962.21	382,790.490	8.7877		12.41
1258	127,275.62	117,725.56	500,516.050	11.4903		13.41
1259	155,060.42	141,168.02	641,684.070	14.7310		14.41
1260	176,534.45	165,797.44	807,481.505	18.5372		15.41
1261	200,772.94	188,653.70	996,135.200	22.8681		16.41
1262	232,569.09	216,671.02	1,212,806.215	27.8422		17.41
1263	261,442.68	247,005.89	1,459,812.100	33.5127		18.41
1264	290,483.68	275,963.18	1,735,775.280	39.8479		19.41
1265	321,920.48	306,202.08	2,041,977.360	46.8773		20.41
1266	358,420.45	340,170.47	2,382,147.825	54.6866		21.41
1267	398,851.88	378,636.17	2,760,783.990	63.3789		22.41
1268	445,564.85	422,208.37	3,182,992.355	73.0714		23.41
1269	490,672.62	468,118.74	3,651,111.090	83.8180		24.41
1270	529,466.87	510,069.75	4,161,180.835	95.5276		25.41
1271	571,694.41	550,580.64	4,711,761.475	108.1672		26.41
1272	618,313.63	595,004.02	5,306,765.495	121.8266	16,754	27.41
1273	673,521.36	645,917.50	5,952,682.990	136.6548	18,906	28.41
1274	730,518.65	702,020.01	6,654,702.995	152.7710	21,151	29.41
1275	782,702.57	756,610.61	7,411,313.605	170.1403	23,529	30.41
1276	838,012.63	810,357.60	8,221,671.205	188.7436	26,057	31.41



General Notes for Site:
No Field verification of LIDAR elevations performed.
Front toe of stream obstruction elevation: 1249.05'
Rear toe of stream obstruction elevation: 1244.59"
Assumed top of structure width: 12
Assumed front and back slope: 3:1

LAND SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THIS SURVEY
WAS DONE BY THE UNDERSIGNED, AND
THAT THE SURVEY WAS DONE ON THE
GROUND ON _____.



THIS DRAWING ORIGINALLY CREATED AT
SPECIFIED SCALE. IF LINE BELOW DOES NOT
MEASURE 1 INCH, DRAWING HAS BEEN
REDUCED.

ORIGINAL DRAWING
SIZE: 1 INCH

JORGENSEN
SURVEYING
73051 617 Ave
Tecumseh, NE 68450
(402) 335-2033
jorgensensurveying@gmail.com

Stream Obstruction

Sec 19, T8S, R8E
Pottawatomie County, Kansas

PREPARED FOR
MWI - Wickstrum Ranch LLC

SCALE	1"=200'
FIELD ON:	-
CHK. BY	MARCY
DWN. BY	BRENT
DATE:	12/26/23
SHEET	1 OF 2
JOB NO.	5262.187

TOPOGRAPHIC SURVEY

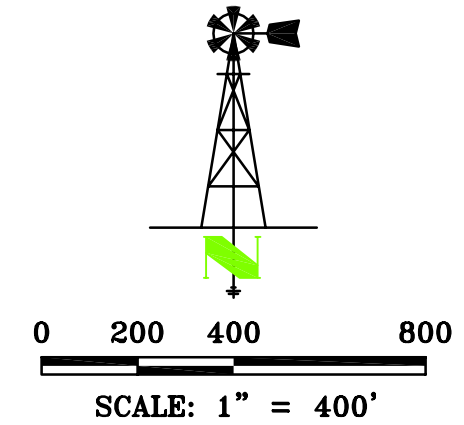
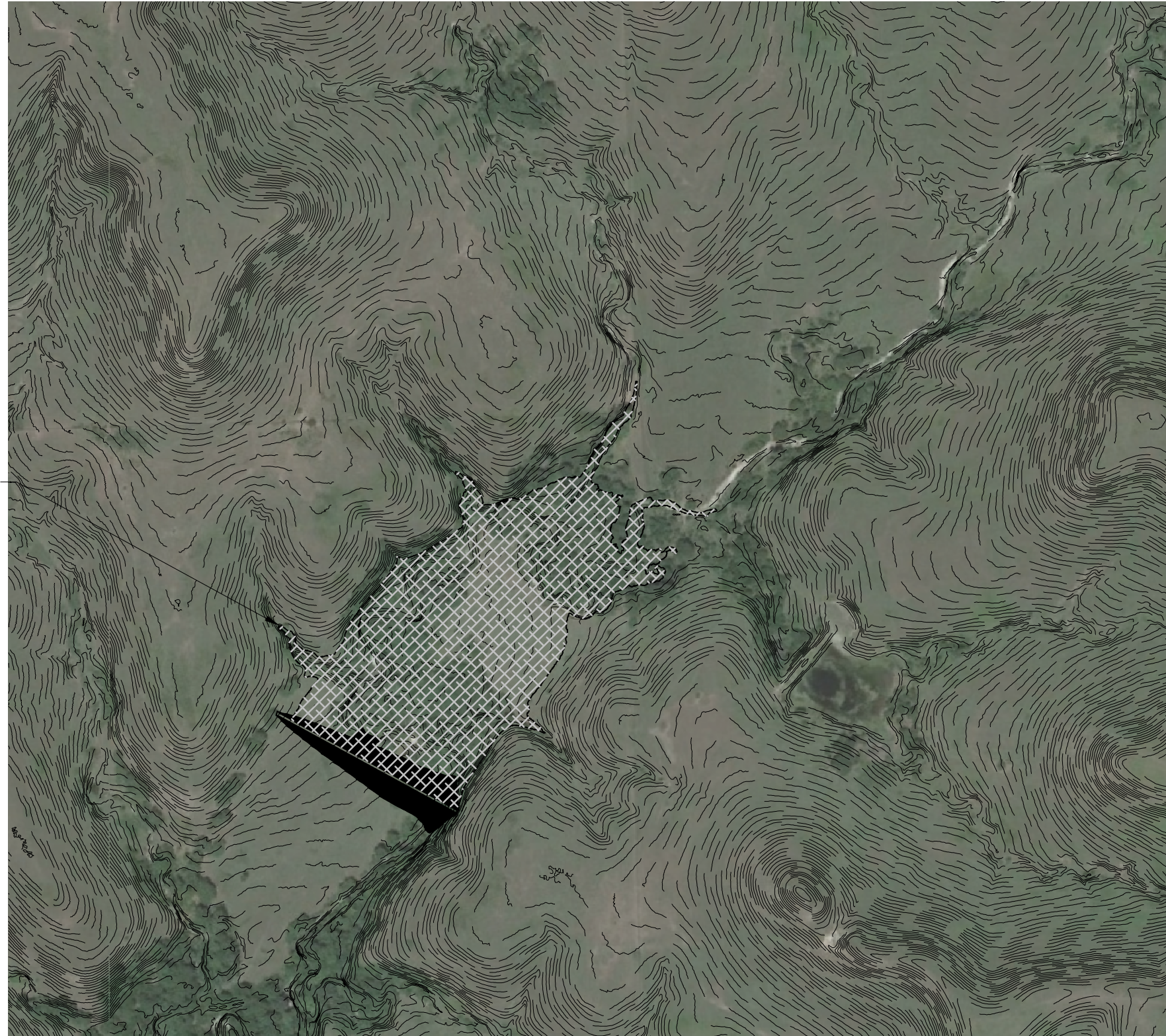
Compute Proposed Stream Obstruction Volume in
Section 19, Township 8 South, Range 8 East of the
Sixth Principal Meridian, Pottawatomie County, Kansas

4/25/2024

Water Resources
Received

KS Dept Of Agriculture

Water Level at
Elev: 1272'



THIS DRAWING ORIGINALLY CREATED AT
SPECIFIED SCALE. IF LINE BELOW DOES NOT
MEASURE 1 INCH, DRAWING HAS BEEN
REDUCED. ORIGINAL DRAWING
SIZE: 1 INCH

JORGENSEN
SURVEYING
73051 617 Ave
Tecumseh, NE 68450
(402) 335-2033
jorgensensurveying@gmail.com

Stream Obstruction
Sec 19, T8S, R8E
Pottawatomie County, Kansas
PREPARED FOR
MWI - Wickstrum Ranch LLC

SCALE	1"=400'
FIELD ON:	-
CHK. BY	MARCY
DWN. BY	BRENT
DATE:	12/26/23
SHEET	2 OF 2
JOB NO.	5262.187