

THE STATE OF KANSAS



KANSAS DEPARTMENT OF AGRICULTURE
Mike Beam, Secretary of Agriculture

DIVISION OF WATER RESOURCES
Earl D. Lewis Jr., Chief Engineer

File Number **51359**
This item to be completed by the Division of Water Resources.

WATER RESOURCES
RECEIVED

NOV 18 2024

APPLICATION FOR PERMIT TO APPROPRIATE WATER FOR BENEFICIAL USE

Filing Fee Must Accompany the Application
(Please refer to Fee Schedule attached to this application form.)

KS DEPT OF AGRICULTURE

2:47 PM

To the Chief Engineer of the Division of Water Resources, Kansas Department of Agriculture,
1320 Research Park Drive, Manhattan, Kansas 66502:

1. Name of Applicant (Please Print): _____
Address: Marmaton Watershed Joint District #102, P.O.Box 4
City: Uniontown State KS Zip Code 66779
Telephone Number: (620) 756-1000

2. The source of water is: surface water in unnamed trib of Marmaton River **NEEDS STREAM NAME**
(stream)
OR groundwater in _____
(drainage basin)

Certain streams in Kansas have minimum target flows established by law or may be subject to administration when water is released from storage for use by water assurance district members. If your application is subject to these regulations on the date we receive your application, you will be sent the appropriate form to complete and return to the Division of Water Resources.

3. The maximum quantity of water desired is 12.09 acre-feet OR _____ gallons per calendar year,
to be diverted at a maximum rate of all natural flows gallons per minute OR _____
_____ cubic feet per second.

Once your application has been assigned a priority, the requested maximum rate of diversion and maximum requested quantity of water under that priority number can **NOT** be increased. Please be certain your requested maximum rate of diversion and maximum quantity of water are appropriate and reasonable for your proposed project and are in agreement with the Division of Water Resources' requirements.

4. The water is intended to be appropriated for (Check use intended):
- (a) Artificial Recharge
 - (b) Irrigation
 - (c) Recreational
 - (d) Water Power
 - (e) Industrial
 - (f) Municipal
 - (g) Stockwatering
 - (h) Sediment Control
 - (i) Domestic
 - (j) Dewatering
 - (k) Hydraulic Dredging
 - (l) Fire Protection
 - (m) Thermal Exchange
 - (n) Contamination Remediation

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YOU **MUST** COMPLETE AND ATTACH ADDITIONAL DIVISION OF WATER RESOURCES FORM(S) PROVIDING INFORMATION TO SUBSTANTIATE YOUR REQUEST FOR THE AMOUNT OF WATER FOR THE INTENDED USE REFERENCED ABOVE.

For Office Use Only:

F.O. 1 GMD - Meets K.A.R. 5-3-1 (YES/NO) Use SED Source G S County BB By KJN Date 11/19/24
Code 287 Fee \$ 200 TR # _____ Receipt Date 11/18/2024 Check # 1178

PLACE OF USE: 34 & 35 - 25S - 22E
COMMENTS: RESERVOIR

File No. NOV 18 2024

5. The location of the proposed wells, pump sites or other works for diversion of water is: KS DEPT OF AGRICULTURE

Note: For the application to be accepted, the point of diversion location 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.

(A) One in the NW quarter of the SE quarter of the SW quarter of Section 35, more particularly described as being near a point 1280 feet North and 3370 feet West of the Southeast corner of said section, in Township 25 South, Range 22 East, Bourbon County, Kansas.

(B) 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 _____ East/West (circle one), _____ County, Kansas.

(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 _____ East/West (circle one), _____ County, Kansas.

(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 _____ East/West (circle one), _____ County, Kansas.

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 800 gallons per minute and which supply water to a common distribution system.

6. The owner of the point of diversion, if other than the applicant is (please print):

Steven D. Geiger and Barbara K. Geiger Revocable Living Trust dated January 14, 2013,
(name, address and telephone number)

1121 HWY 3, Uniontown, Kansas 66779, 620-224-8359
(name, address and telephone number)

You must provide evidence of legal access to, or control of, the point of diversion from the landowner or the landowner's authorized representative. Provide a copy of a recorded deed, lease, easement or other document with this application. In lieu thereof, you may sign the following sworn statement:

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

Executed on _____, 20____. _____
Applicant's Signature

The applicant must provide the required information or signature irrespective of whether they are the landowner. Failure to complete this portion of the application will cause it to be unacceptable for filing and the application will be returned to the applicant.

7. The proposed project for diversion of water will consist of floodwater detention dam
(number of wells, pumps or dams, etc.)

and (will be) completed (by) January 1, 2025
(Month/Day/Year - each was or will be completed)

File No. _____

8. The first actual application of water for the proposed beneficial use was or is estimated to be January 1, 2025
(Mo/Day/Year)

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- 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 the Division of Water Resources for assistance, prior to submitting the application. Please attach a reservoir area capacity table and inform us of the total acres of surface drainage area above the reservoir.

Have you also made an application for a permit for construction of this dam and reservoir with the Division of Water Resources? Yes No

- If yes, show the Water Structures permit number here exempt see attached registration letter
- If no, explain here why a Water Structures permit is not required <125 AF at the effective height

- 11. The application must be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed plat showing the following information. On the topographic map, aerial photograph, or plat, identify the center of the section, the section lines or the section corners and show the appropriate section, township and range numbers. Also, please show the following information:

- (a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or other diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the North-South distance and the East-West distance from a section line or southeast corner of section.
- (b) If the application is for groundwater, please show the location of any existing water wells of any kind within ½ mile of the proposed well or wells. Identify each existing well as to its use and furnish the name and mailing address of the property owner or owners. If there are no wells within ½ mile, please advise us.
- (c) If the application is for surface water, the names and addresses of the landowner(s) ½ mile downstream and ½ mile upstream from your property lines must be shown.
- (d) The location of the proposed place of use should be shown by crosshatching on the topographic map, aerial photograph or plat.
- (e) Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the point of diversion to the place of use.

A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and range numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrence, Kansas 66047.

- 12. List any application, appropriation of water, water right, or vested right file number that covers the same diversion points 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.

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13. Furnish the following well information if the proposed appropriation is for the use of groundwater. If the well has not been completed, give information obtained from test holes, if available.

Information below is from: Test holes Well as completed Drillers log attached

Well location as shown in paragraph No.	(A)	(B)	(C)	(D)
Date Drilled	_____	_____	_____	_____
Total depth of well	_____	_____	_____	_____
Depth to water bearing formation	_____	_____	_____	_____
Depth to static water level	_____	_____	_____	_____
Depth to bottom of pump intake pipe	_____	_____	_____	_____

14. The relationship of the applicant to the proposed place where the water will be used is that of agent
(owner, tenant, agent or otherwise)

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

Steven D. Geiger and Barbara K. Geiger Revocable Living Trust dated January 14, 2013
(name, address and telephone number)

1121 HWY 3, Uniontown, Kansas 66779, 620-224-83599
(name, address and telephone number)

16. The undersigned states that the information set forth above is true to the best of his/her knowledge and that this application is submitted in good faith.

Dated at Uniontown, Kansas, this 24 day of October, 2024.
(month) (year)

MARATHON WATERSHED Joint District #102
(Applicant Signature)

By [Signature]
(Agent or Officer Signature)

Brad Dlythe, President
(Agent or Officer - Please Print)

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Assisted by _____ Date: _____
(office/title)

NOV 18 2024

FEE SCHEDULE

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

ACRE-FEET	FEE
0-100	\$200.00
101-320	\$300.00
More than 320	\$300.00 plus \$20.00 for each additional 100 acre-feet or any part thereof.

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

ACRE-FEET	FEE
0-250	\$200.00
More than 250	\$200.00 plus \$20.00 for each additional 250 acre-feet of storage 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 a permit to appropriate water for water power or dewatering purposes shall be \$100.00 plus \$200.00 for each 100 cubic feet per second, or part thereof, of the diversion rate requested.

Note: The applicant shall notify the Chief Engineer and pay the statutorily required field inspection fee of \$400.00 when construction of the works for diversion has been completed, except that for applications filed on or after July 1, 2009, for works constructed for sediment control use and for evaporation from a groundwater pit for industrial use shall be accompanied by a field inspection fee of \$200.00.

MAKE CHECKS PAYABLE TO THE KANSAS DEPARTMENT OF AGRICULTURE

ATTENTION

A Water Conservation Plan may be required per K.S.A. 82a-733. A statement that your application for permit to appropriate water may be subject to the minimum desirable streamflow requirements per K.S.A. 82a-703a, b, and c may also be required from you. After the Division of Water Resources has had the opportunity to review your application, you will be notified whether or not you will need to submit a Water Conservation Plan. You also may be required to install a water flow meter or water stage measuring device on your diversion works prior to diverting water. There may be other special conditions or Groundwater Management District regulations that you will need to comply with if this application is approved.

CONVERSION FACTORS

1 acre-foot equals 325,851 gallons

1 million gallons equal 3.07 acre-feet



State of Kansas, Bourbon County SS

Lora Holdridge Register of Deeds

Book: 512 Page: 426-427

Receipt #: 49297

Recording Fee: \$39.00

Pages Recorded: 2

Lora Holdridge

Date Recorded: 10/23/2024 11:00:43 AM

[ELECTRONICALLY FILED]

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EASEMENT

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For and in consideration of One Dollar (\$1.00) and other good and valuable considerations, the receipt whereof is hereby acknowledged, Steven D. Geiger and Barbara K. Geiger, Trustees of the Steven D. Geiger and Barbara K. Geiger Revocable Living Trust dated January 14, 2013, of 1121 HWY 3, Uniontown, Kansas, 66779, Grantors, do hereby grant, bargain, sell, convey, and release unto Marmaton Watershed Joint District No. 102 of Allen, Bourbon, and Crawford Counties, Kansas, Grantee,

its successors and assigns, an easement in, over and upon the following land situated in the County of

Bourbon, State of Kansas, to wit:

Land in the Southwest Quarter (SW1/4) of Section Thirty Five (35), Township twenty five(25) South, Range twenty two (22) East of the 6th P.M., Bourbon County, Kansas occupied by the dam and emergency spillway structure and the impoundment area upstream of the dam measuring to the constructed top of dam contour elevation, estimated at 931.0 feet above mean Sea Level or as shown on plans on file with the Division of Water Resources, Kansas Department of Agriculture.

for the purposes of:

Construction and maintenance of floodwater retarding structure Site Geiger Dam (DBB-0159). Temporary and permanent impoundment of floodwaters associated with flood protection works of improvement designated as Site Geiger Dam. Also, the flowage of any water into, over, upon and through said structure.

1. In the event construction on the above described works of improvement is not commenced within 10 years from the date hereof, the rights and privileges herein granted shall at once revert to and become the property of the Grantors, their heirs, and assigns.
2. This easement includes the right of access for inspection and maintenance, as necessary, for the above described land of the Grantors.
3. There is reserved to the Grantors, their heirs and assigns, the right and privilege to use the above described land of the Grantors at any time, in any manner, and for any purposes not inconsistent with the full use and enjoyment by the Grantee, its successors and assigns, of the rights and privileges herein granted, included those listed below.
4. The Grantee is responsible for operating and maintaining the above described works of improvement.
5. Special provisions: No permanent structures shall be constructed in the area upstream of the dam below the elevation of the top of the dam without written permission of Marmaton Watershed Joint District #102. No structure, including human dwellings, shall be constructed on the Grantor's land located below the dam in the breach inundation zone without the written permission of the Board of Directors of the Marmaton Watershed Joint District #102.

TO HAVE AND TO HOLD the aforesaid easement in, over, and upon the above described land of the Grantors, with all the rights, privileges and appurtenances thereto belonging or in anywise appertaining, unto the Grantee, its successors, and assigns, forever.

IN WITNESS HEREOF the grantors have executed this instrument on this 23 day of October 2024

By [Signature]
Steven D. Geiger Trustee

By [Signature]
Barbara K. Geiger, Trustee

(SEAL)

ACKNOWLEDGEMENT

STATE OF KANSAS

ss.

COUNTY OF Bourbon

BE IT REMEMBERED, that on this 23 day of October 2024, before me, the undersigned, a Notary Public, in and for this county and state aforesaid, came **Steven D. Geiger and Barbara K. Geiger, as trustees** of the **Steven D and Barbara K. Geiger Revocable Trust dated January 14, 2013**, who are personally known to me to be the same persons who executed the within instrument of writing and such persons duly acknowledged the execution of the same by and on behalf of said trust.

IN WITNESS WHEREOF, I have hereto set my hand and official seal, the date and year last herein above written.

[Signature]
Notary Public

My Commission Expires: October 6, 2025



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NOV 18 2024

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Entered in Transfer Record in my office this
30 day of Jan A.D. 2015
Therrell Mason
County Clerk

State of Kansas, Bourbon County SS
Lora Holdridge Register of Deeds
Book: 418 Page: 662-663

Receipt #: 28571
Pages Recorded: 2

Recording Fee: \$20.00

Lora Holdridge

Date Recorded: 1/30/2015 12:25:56 PM


MAIL TO:
1121 Hwy 3
Uniontown, KS 66779

TRUSTEE'S DEED

Grantor, **Jeffrey L. Geiger, Co-Trustee of the Geiger Family Trust dated December 22, 2004 as Amended March 30, 2011 and May 20, 2011**, acting pursuant to the powers vested under said Trust, for the sum of Three Hundred Twenty Four Thousand and 00/100 Dollars (\$324,000.00) and other valuable consideration, receipt of which is hereby acknowledged, does by these presents grant, bargain, sell and convey to **Steven D. Geiger and Barbara K. Geiger, or their successors in Trust, as Trustees of The Steven D. Geiger and Barbara K. Geiger Revocable Living Trust, dated January 14, 2013**, all right, title and interest in the following described real estate:

The Southwest Quarter (SW 1/4) of Section 35, Township 25 South, Range 22 East of the 6th P.M., Bourbon County, Kansas.

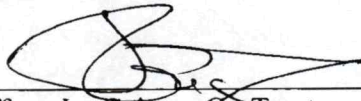
TO HAVE AND TO HOLD the above described premises, together with the appurtenances and hereditaments thereunto appertaining, and every part thereof to the said Grantee(s) as above stated. Grantor further warrants that said Trust is in full force and effect, has not been amended or revoked, and this conveyance is within his authority as trustee, with this deed EXECUTED on January 27, 2015.

 Security 1st Title

File No. 2121350
Page 1 of 2

NOV 18 2024

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Jeffrey L. Geiger, Co-Trustee of the Geiger
Family Trust dated December 22, 2004 as
Amended March 30, 2011 and May 20, 2011

State of GEORGIA, MONTGOMERY County} ss.

This instrument was acknowledged before me on January 27, 2015 by Jeffrey L. Geiger,
Co-Trustee of the Geiger Family Trust dated December 22, 2004 as Amended March 30, 2011
and May 20, 2011, for and on behalf of said Trust.



Heather B. Mead

My appointment expires:



1320 Research Park Drive
Manhattan, KS 66502
785-564-6700
www. agriculture.ks.gov



900 SW Jackson, Room 456
Topeka, KS 66612
785-296-3556

Mike Beam, Secretary

Laura Kelly, Governor

October 10, 2024

Frank Young, P.E., Contracting Officer
Marmaton WJD No. 102
P.O. Box 4
Uniontown, KS 66779

RE: Dam Determination
WSN: DBB-0159
Location: SW 1/4 of the NE 1/4 of the SW 1/4 of Section 35, Township 25 South, Range 22 East in Bourbon County.

Dear Mr. Young:

This will acknowledge receipt of your request for a permit determination for construction of the above dam.

From the information provided, we have concluded that this project is not in our jurisdiction by K.S.A. 82a-301 to 305a. The structure would have a storage volume less than 50 acre-feet at the auxiliary spillway elevation and be less than 25 feet in height.

This finding does not in any way relieve the owner from complying with any other local, state, or federal requirements which may be applicable.

Should you have any questions, please feel free to contact me at (785) 207-2117 or e-mail me at ambrose.ketter@ks.gov.

Sincerely,

A handwritten signature in blue ink that reads "Ambrose J. Ketter". The signature is written in a cursive style.

Ambrose J. Ketter, P.E.
Dam Safety Team Leader
Division of Water Resources
Kansas Department of Agriculture

P.C. Andy Terhune

MARMATON WATERSHED

JOINT DISTRICT NO. 102

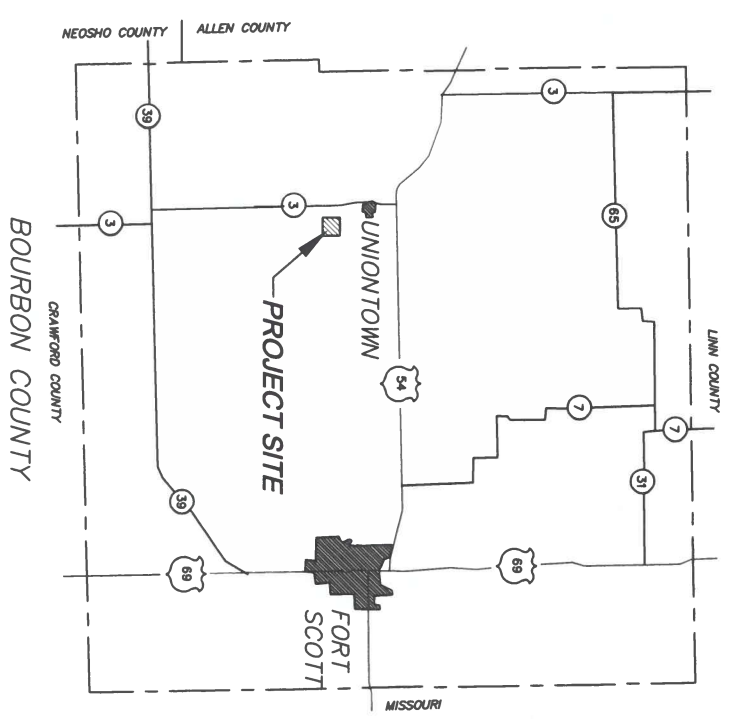
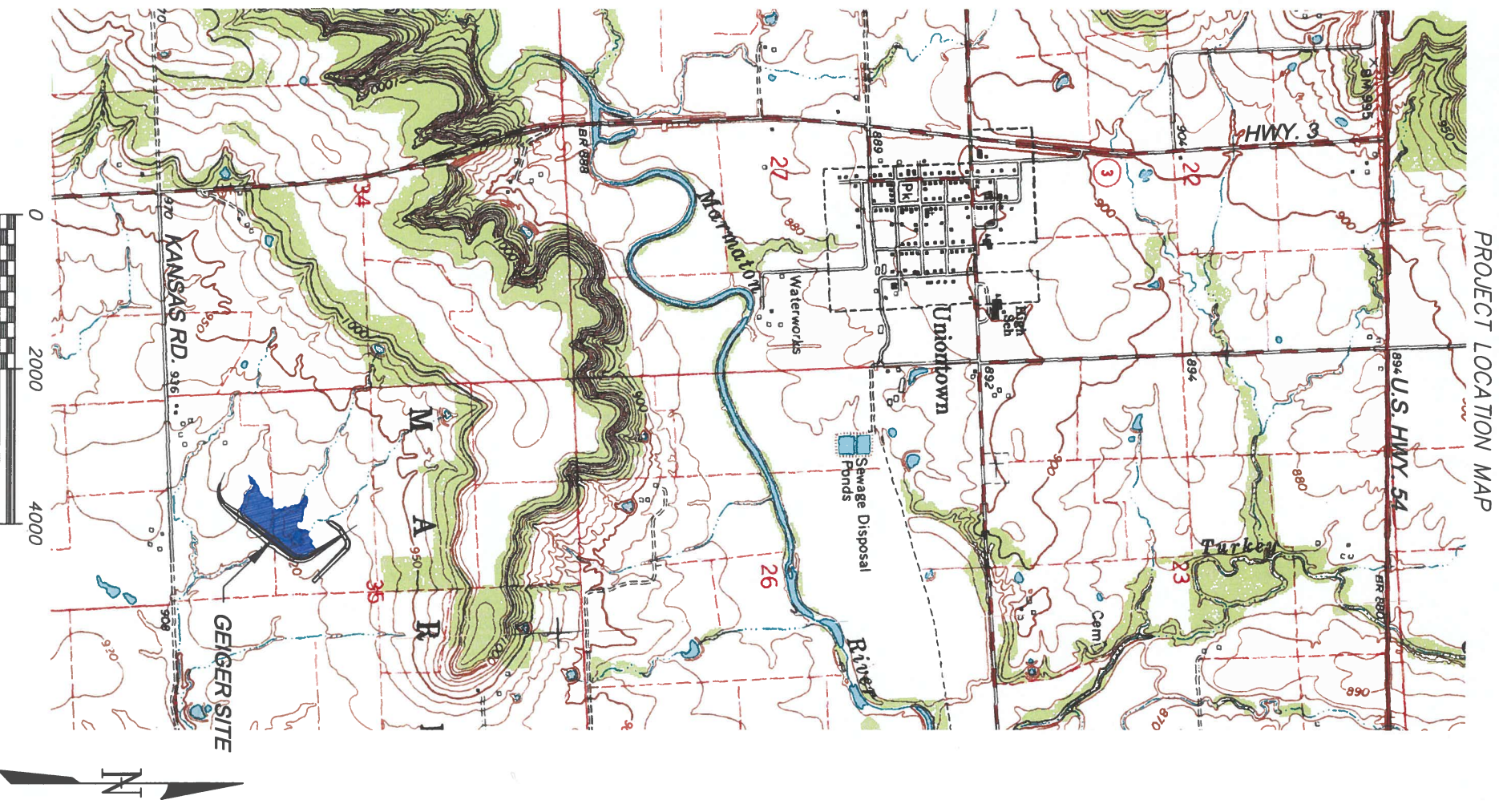
GEIGER SITE DAM and RESERVOIR

DESIGN PLAN

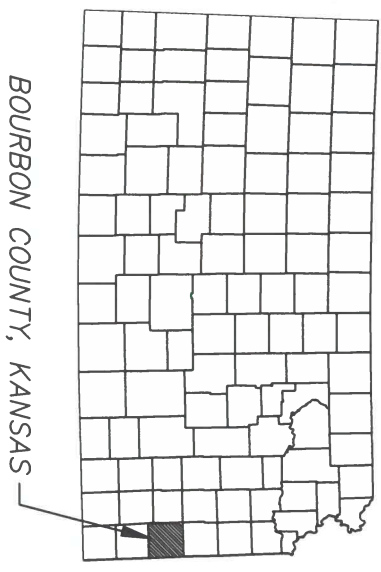
SW/4 OF SEC. 35, T25S, R22E
BOURBON COUNTY, KANSAS
01 MAY, 2024



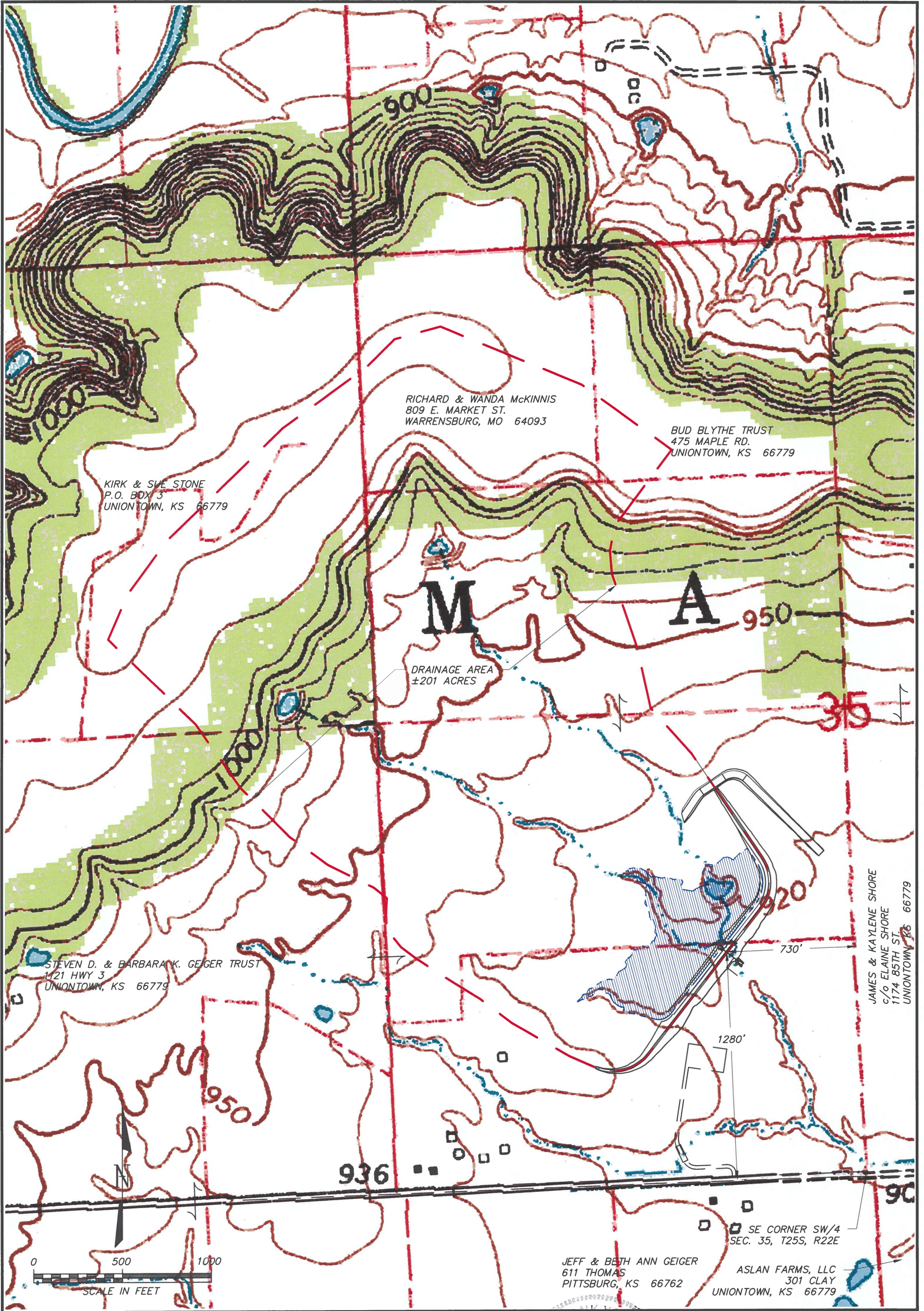
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1.	TITLE PAGE
2.	USGS TOPOGRAPHIC SITE MAP
3.	AERIAL PHOTO SITE MAP WITH LANDOWNER INFORMATION
4.	HYDROLOGIC and STRUCTURAL DESIGN DATA
5.	DAM PLAN VIEW
6.	PROFILE and SECTION VIEWS
7.	PRIMARY SPILLWAY DETAILS
8.	PLUNGE POOL and PIPE OUTLET DETAILS
9.	FENCING AND SEEDING
10.	MISCELLANEOUS DETAILS



CALL 1-800-DIG-SAFE
PRIOR TO EXCAVATION



<p>Agricultural Engineering Associates 1000 Promontory Dr. Uniontown, KS 66779 620-756-1000</p>	
<p>Marmaton Watershed Joint District No. 102 Uniontown, KS 66779 620-756-1000</p>	
<p>MARMATON WATERSHED GEIGER SITE DESIGN PLAN TITLE PAGE</p>	
ENGINEER	LFY
DATE	05-01-24
DRAWN BY	BCM
CHECKED BY	LFY
DATE	05-01-24
PROJECT NO.	6423
DRAWING NO.	1 of 10
Rev. #	Date



Marmaton Watershed
 Joint District No. 102
 Uniontown, KS 66779
 620-756-1000

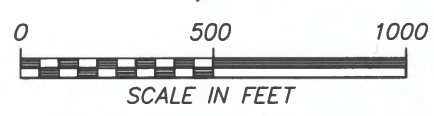
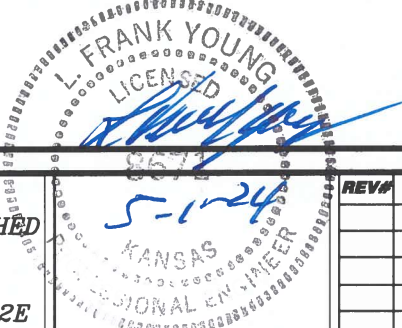
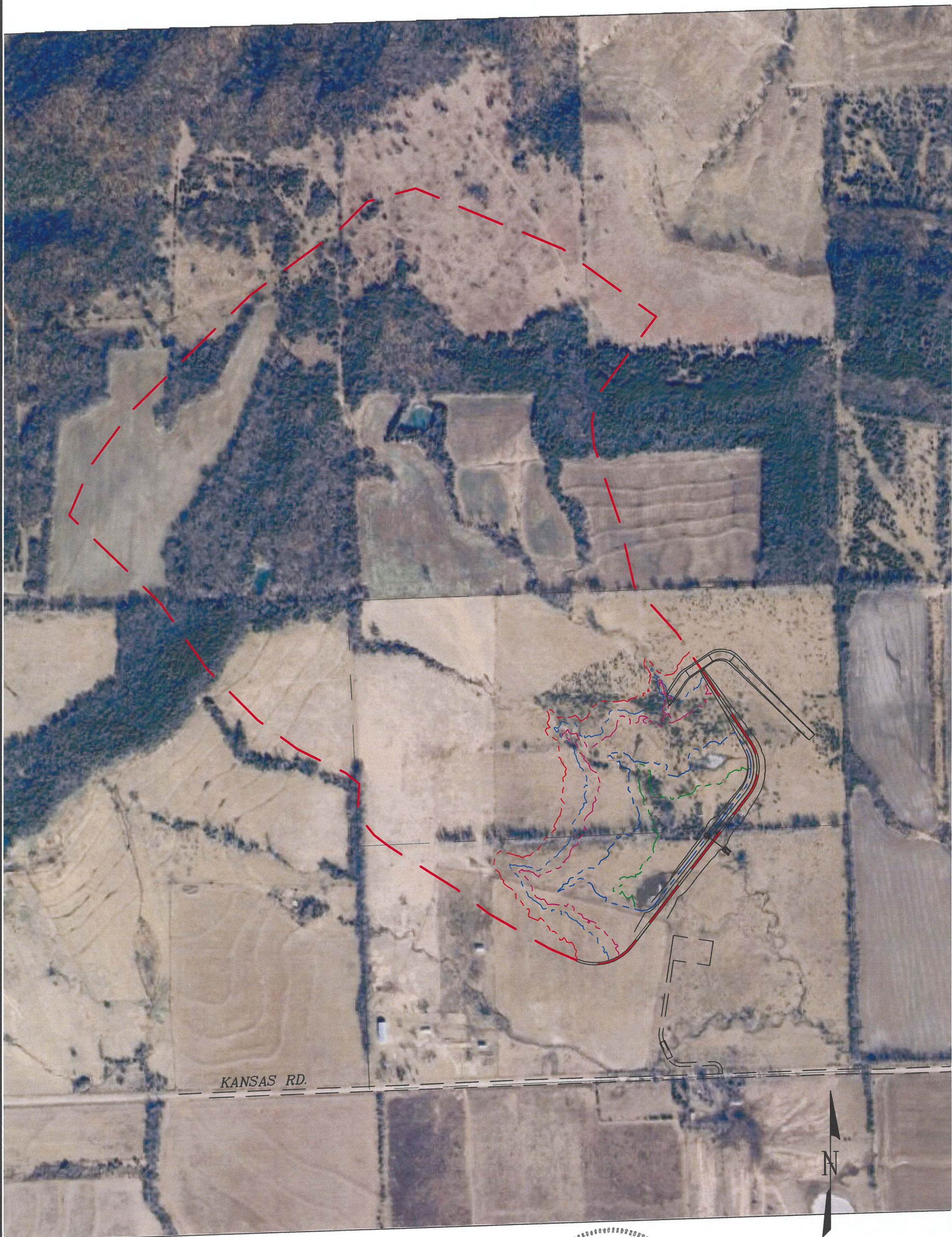
ENGINEER LFY
DATE 05-01-24
DRWN BY BCM
CHK'D BY LFY
DATE 05-01-24

MARMATON WATERSHED
 GEIGER SITE
 SEC. 35, T25S, R22E
 BOURBON COUNTY, KS
 USGS SITE MAP



REV#	DATE	DESCRIPTION

PROJECT NO. 6423	
DRAWING NO. 2 of 10	
Rev. #	Date



Agricultural Engineering Associates
 1000 Promontory Dr.
 Uniontown, KS 66779
 Phone: 620-756-1000
 Fax: 620-756-4600

Marmaton Watershed
 Joint District No. 102
 Uniontown, KS 66779
 620-756-1000

ENGINEER LFY
DATE 05-01-24
DRWN BY BCM
CHK'D BY LFY
DATE 05-01-24

MARMATON WATERSHED
GEIGER SITE
 SEC. 35, T25S, R22E
 BOURBON COUNTY, KS
 PHOTO SITE MAP

5-1-24
 KANSAS
 PROFESSIONAL ENGINEER

REV#	DATE	DESCRIPTION

PROJECT NO. 6423	
DRAWING NO. 3 of 10	
Rev. #	Date

I:\PROJECTS\151\WMA\WMA Geiger Design.dwg, 3 Aerial, 2/11/24 10:23:22 AM

HYDROLOGIC DATA

DRAINAGE AREA: 201 AC (0.31 SQ MI)
 MAXIMUM FLOW LENGTH: 4600 FT (0.87 MILES)
 MAXIMUM ELEVATION DIFFERENCE: 116 FT
 TIME OF CONCENTRATION: 0.36 HRS
 SOIL COVER COMPLEX: AMC II - 79.5, AMC III - 91.4
 PEAK INFLOW: 783.7 CFS AT 2.54 HRS (NRCS 6 HR, 100 YR STORM)

SEDIMENT STORAGE

ACCUMULATION TIME: 100 YR
 201 AC GRASSLAND AT 0.35 AC FT/SQ MI/YR: 11 AC FT
 TOTAL SEDIMENT POOL REQUIRED: 11 AC FT
 TRAP EFFICIENCY: 97%
 TOTAL STORAGE REQUIRED: 10.67 AC FT
 SEDIMENT YIELD DEPTH: .35 IN (SEDIMENT VOLUME/DRAINAGE AREA)

LIVESTOCK WATER STORAGE

STORAGE AT SEDIMENT POOL EL 923.0: 11.4 AC FT
 STORAGE AT PRIMARY SPILLWAY EL 925.0: 27.3 AC FT
 LIVESTOCK WATER STORAGE: 15.9 AC FT

DETENTION STORAGE

PRECIPITATION: 4.8 IN (25 YR, 6 HR STORM)
 TOTAL RUNOFF: 2.70 IN (AMC II)
 STORAGE AT AUXILIARY SPILLWAY EL 928.0: 71 AC FT
 FLOOD ROUTED DETENTION VOLUME: 43.7 AC FT; 2.60 IN

AUXILIARY SPILLWAY DESIGN

PRECIPITATION: 6.0 IN (100 YR, 6 HR STORM)
 RUNOFF: 4.9 IN (AMC III)
 CONTROL SECTION WIDTH: 40 FT
 CONTROL SECTION LENGTH: 40 FT
 CONTROL SECTION ELEVATION: 928.0
 MAXIMUM WATER ELEVATION: 929.0
 PEAK OUTFLOW: 81.8 CFS AT 6.06 HRS
 PROBABILITY OF USE: 4%

STRUCTURAL DESIGN

STRUCTURAL CLASS: 2A
 LENGTH: 2197 FT, INCLUDES A.S. W/ 3:1 SIDE SLOPES
 MAXIMUM HEIGHT: 16.5 FT
 TOP WIDTH: 12 FT
 FRONT SLOPE: 4:1
 BEACH SLOPE: 10:1 EL 923.5 TO EL 926.5
 BACK SLOPE: 4:1
 TOP OF DAM EL: 931.0

ESTIMATED EARTHWORK QUANTITIES

AUXILIARY SPILLWAY EXCAVATION: 3250 CU YD CUT
 AUXILIARY SPILLWAY TOP SOIL: 790 CU YD
 EARTHFILL ABOVE CORE TRENCH: 33100 CU YD
 CORE TRENCH BACKFILL: 7630 CU YD
 PLUNGE POOL EXCAVATION: 21 CU YD

PRIMARY SPILLWAY PIPE

TOTAL IN-PLACE LENGTH: ±116 FT
 DIAMETER: 12 IN
 MAXIMUM FILL OVER PIPE: 8.6 FT
 TYPE: SDR 26 PVC, OR APPROVED EQUAL
 INLET TYPE: HOODED INLET
 MAXIMUM OUTFLOW: 10.9 CFS AT ES ELEVATION
 AVERAGE OUTFLOW: 15.7 CFS (70% OF MAXIMUM OUTFLOW)
 DETENTION VOLUME DRAIN TIME: 1.4 DAYS AT AVERAGE OUTFLOW

DRAWDOWN PIPE

LENGTH: ±149 FT
 DIAMETER: 6 IN
 MAXIMUM FILL OVER PIPE: 15.0 FT
 PIPE TYPE: SDR-26 PVC, OR APPROVED EQUAL
 INLET TYPE: PERFORATED DUCTILE IRON
 DRAWDOWN VALVE: 6 IN "KENNEDY AWWA", OR EQUIVALENT
 IRON BODY BRONZE MOUNTED PARALLEL
 SEAT TYPE VALVE WITH 2 IN SQUARE OPENING NUT
 TIME TO DRAIN 27.3 AC FT SEDIMENT POOL: 13.1 DAYS
 MAX DISCHARGE OF 6 IN DRAWDOWN PIPE: 1.5 CFS
 AVERAGE DISCHARGE= 70% OF MAX: 1.05 CFS

CHIMNEY DRAIN PIPE


DRAIN PIPE LENGTH: 7 FT
 DIAMETER: 4 IN
 TYPE: SCH 40 PVC PERFORATED PIPE OR PVC WELL CASING
 OUTLET PIPE LENGTH: ±49 FT
 OUTLET PIPE DIAMETER: 4 IN
 OUTLET PIPE TYPE: SCH 40 PVC
 MAXIMUM FILL OVER PIPE: 11.5 FT

CHIMNEY DRAIN FILTER MATERIAL

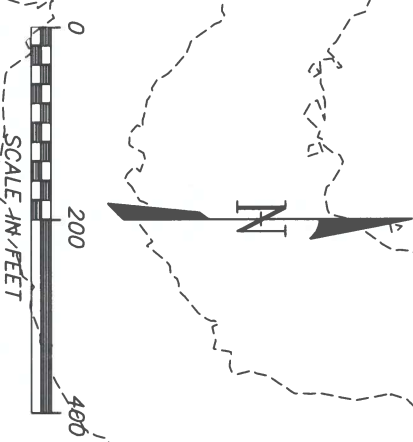
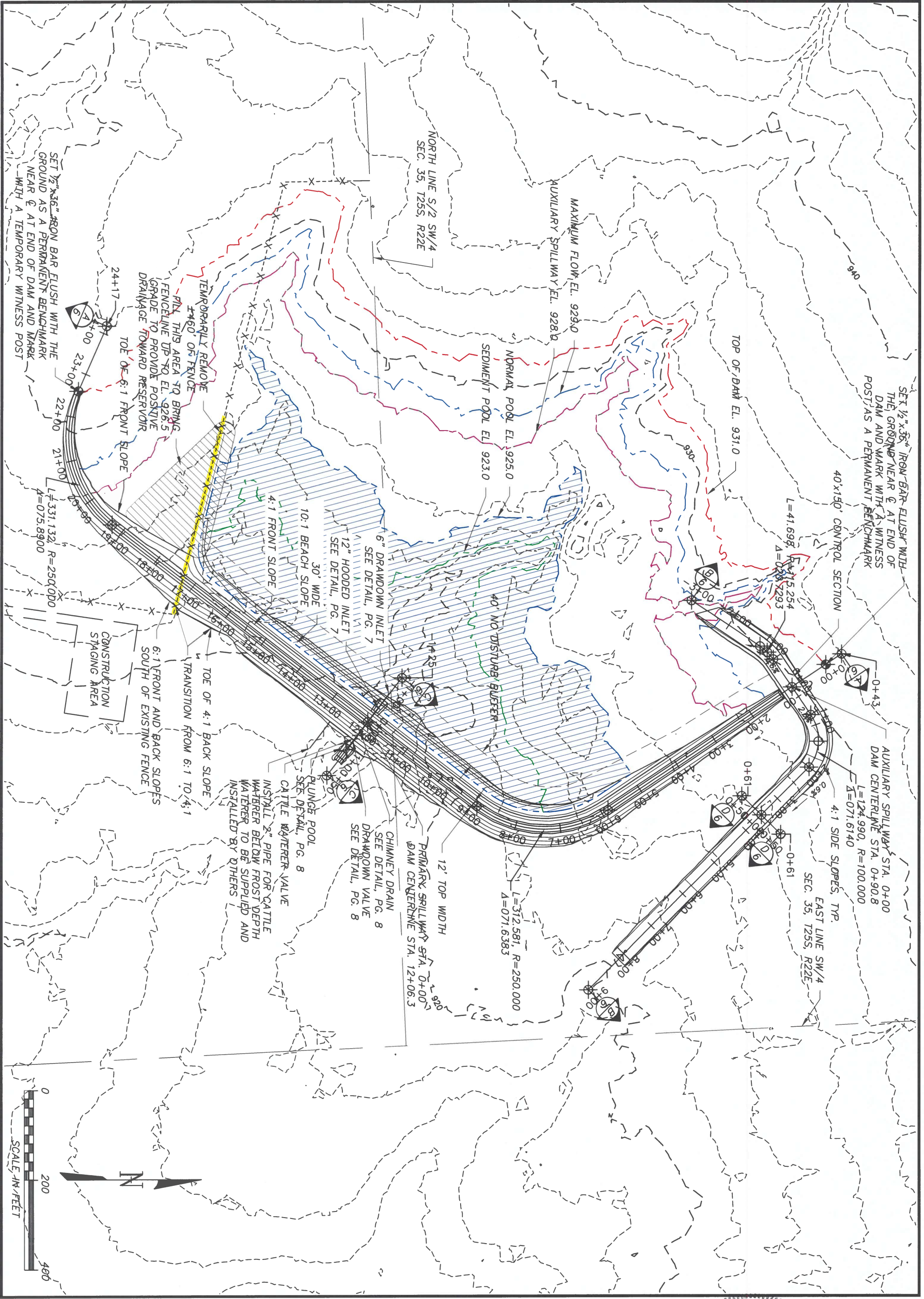
MIXED FINE AGGREGATE WITH PARTICLE
 SIZE LIMITS AS PER ASTM C-33
 (SEE GRADATION TABLE, PG 7) ±8 CU YD (±15 TONS)

Marmaton Watershed Site Geiger Stage Storage 04-23-2024							
Depth	Elevation	Area (sq.ft)	Area (ac)	Incremental Volume (cu.ft)	Incremental Volume (ac-ft)	Cumulative Volume(ac-ft)	Remarks
17	931	1,282,512	29.44	1207483.5	27.72	144.82	Top of Dam
16	930	1,132,455	26.00	1,077,837	24.74	117.10	
15	929	1,023,219	23.49	952,603	21.87	92.35	Max Water Level
14	928	881,987	20.25	1,416,336	32.51	70.49	Auxiliary Spillway
12	926	534,349	12.27	477,894	10.97	37.97	
11	925	421,438	9.67	383,052	8.79	27.00	Normal Pool
10	924	344,666	7.91	297,726	6.83	18.21	
9	923	250,786	5.76	208,588	4.79	11.37	Sediment Pool
8	922	166,390	3.82	216,194	4.96	6.58	
6	920	49,804	1.14	59,295	1.36	1.62	
4	918	9,491	0.22	10,373	0.24	0.26	
2	916	882	0.02	882	0.02	0.02	
0	914	0	0.00	0	0.00	0.00	



 <p>Agricultural Engineering Associates 1000 Promontory Dr. Uniontown, KS 66779 Phone: 620-756-1000 Fax: 620-756-4600</p>	<p>Marmaton Watershed Joint District No. 102 Uniontown, KS 66779 620-756-1000</p>	<p>ENGINEER LFY</p>	<p>MARMATON WATERSHED GEIGER SITE SEC. 35, T25S, R22E BOURBON COUNTY, KS DESIGN DATA</p>	<p>REV# DATE DESCRIPTION</p>	<p>PROJECT NO. 6423</p> <p>DRAWING NO. 4 of 10</p>
		<p>DATE 05-01-24</p>		<p> </p>	
		<p>DRWN BY BCM</p>		<p> </p>	
		<p>CHK'D BY LFY</p>		<p> </p>	
<p>DATE 05-01-24</p>	<p> </p>	<p>Rev. # Date</p>	<p> </p>		

I:\PROJECTS\13\WATERSHED\Geiger Stage Storage.dwg, 4 DAI, 01/11/2024 10:30:12 AM



REV	DATE	DESCRIPTION



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 Uniontown, KS 66779
 620-756-1000

Marmaton Watershed
 Joint District No. 102
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MARMATON WATERSHED GEIGER SITE

DAM PLAN VIEW

ENGINEER LFY

DATE 05-01-24

DRAWN BY BCM

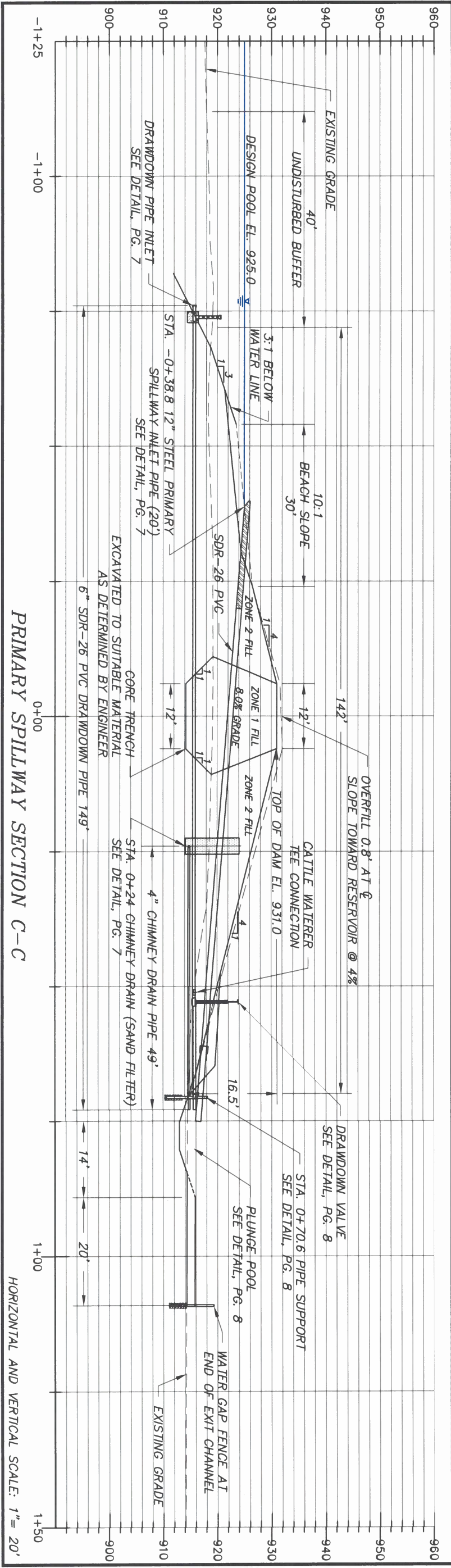
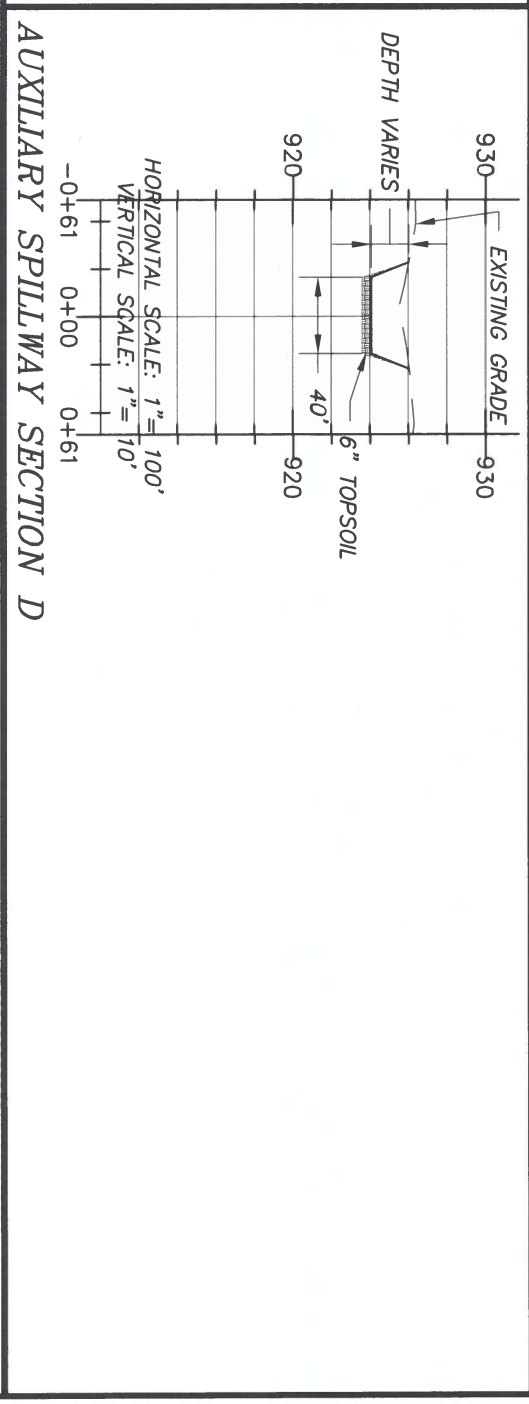
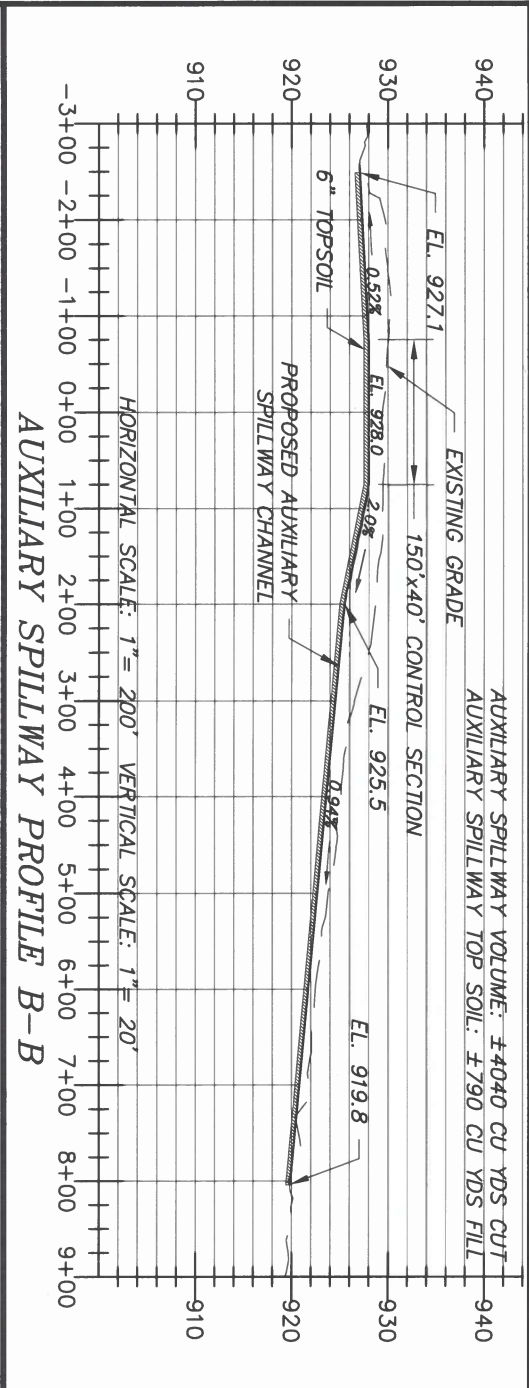
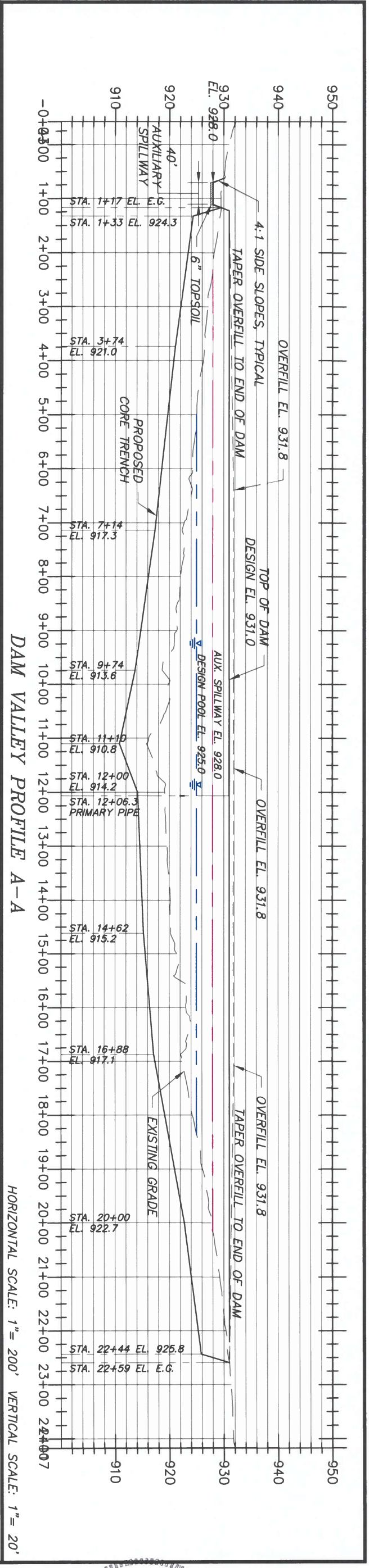
CHECKED BY LFY

DATE 05-01-24

PROJECT NO. **6423**

DRAWING NO. **5 OF 10**

Rev. #	Date



REV	DATE	DESCRIPTION

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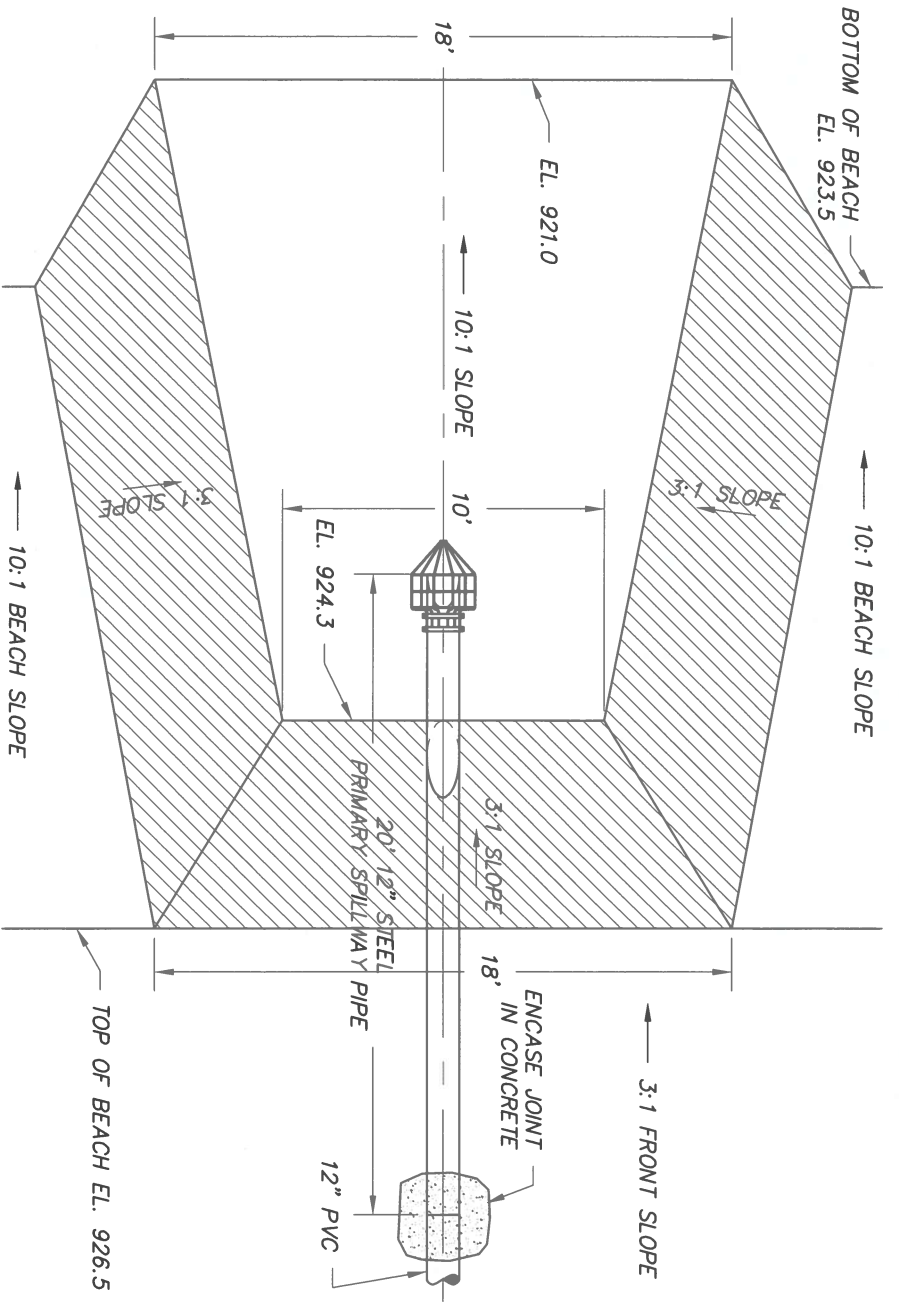
Marmaton Watershed
 Joint District No. 102
 Uniontown, KS 66779
 620-756-1000

MARMATON WATERSHED GEIGER SITE PROFILES and DAM SECTION

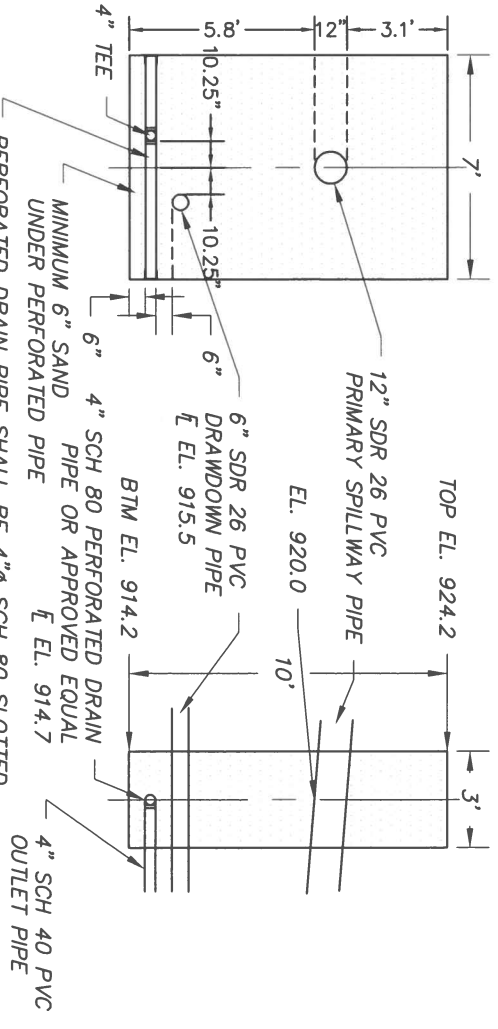
ENGINEER LFY
 DATE 05-01-24
 DRAWN BY BCM
 CHKD BY LFY
 DATE 05-01-24

PROJECT NO. **6423**
 DRAWING NO. **6 of 10**

Rev. # Date



NOTE: SAND FILTER DRAIN MATERIAL SHALL BE MIXED FINE AGGREGATE IN ACCORDANCE WITH PARTICLE SIZE LIMITS AS SPECIFIED IN ASTM C-33 (±8 CU. YDS. (±15 TONS) SAND)



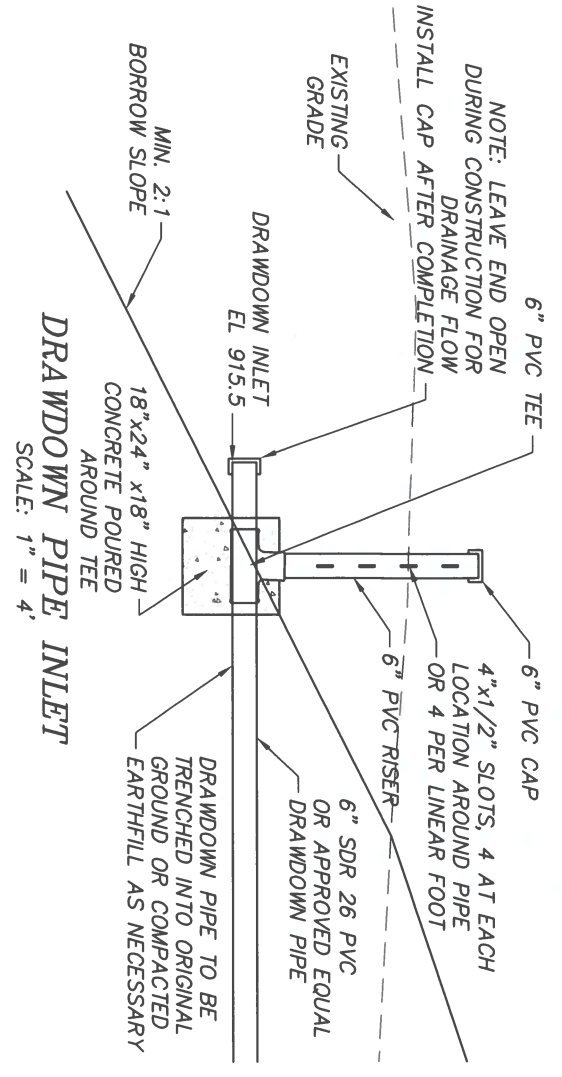
SAND FILTER GRADATION TABLE
ASTM C-33

SIEVE ANALYSIS - FINE AGGREGATE SHALL BE GRADED WITHIN THE FOLLOWING LIMITS:

SIEVE (SPECIFICATION E 11)	PERCENT PASSING
3/8" (9.5mm)	100
NO. 4 (4.75mm)	95 TO 100
NO. 8 (2.36mm)	80 TO 100
NO. 16 (1.18mm)	50 TO 85
NO. 30 (600um)	25 TO 60
NO. 50 (300um)	10 TO 30
NO. 100 (150um)	2 TO 10

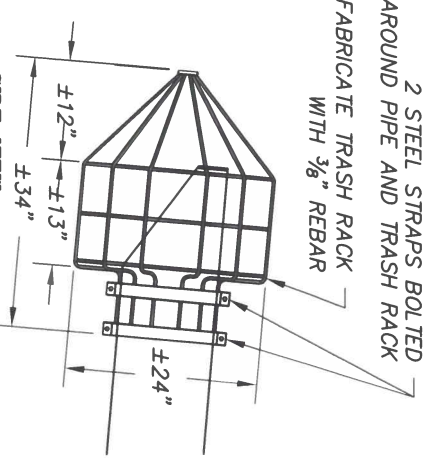
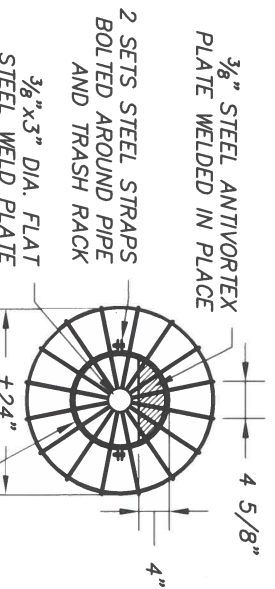
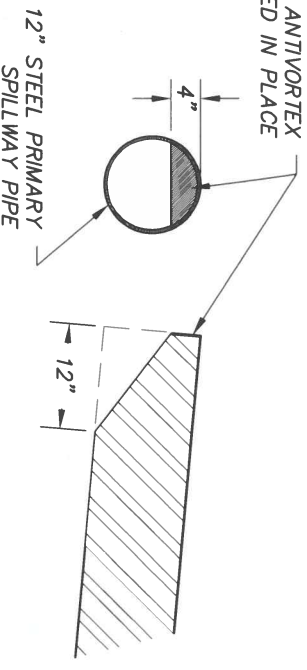
CHIMNEY DRAIN (SAND FILTER)

SCALE: 1" = 2'

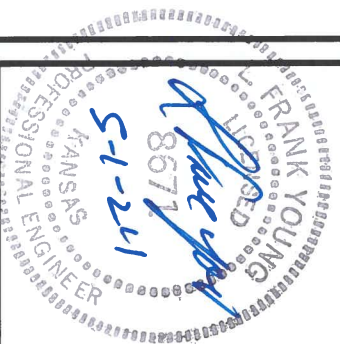


PRIMARY SPILLWAY HOODED INLET

SCALE: 1" = 2'



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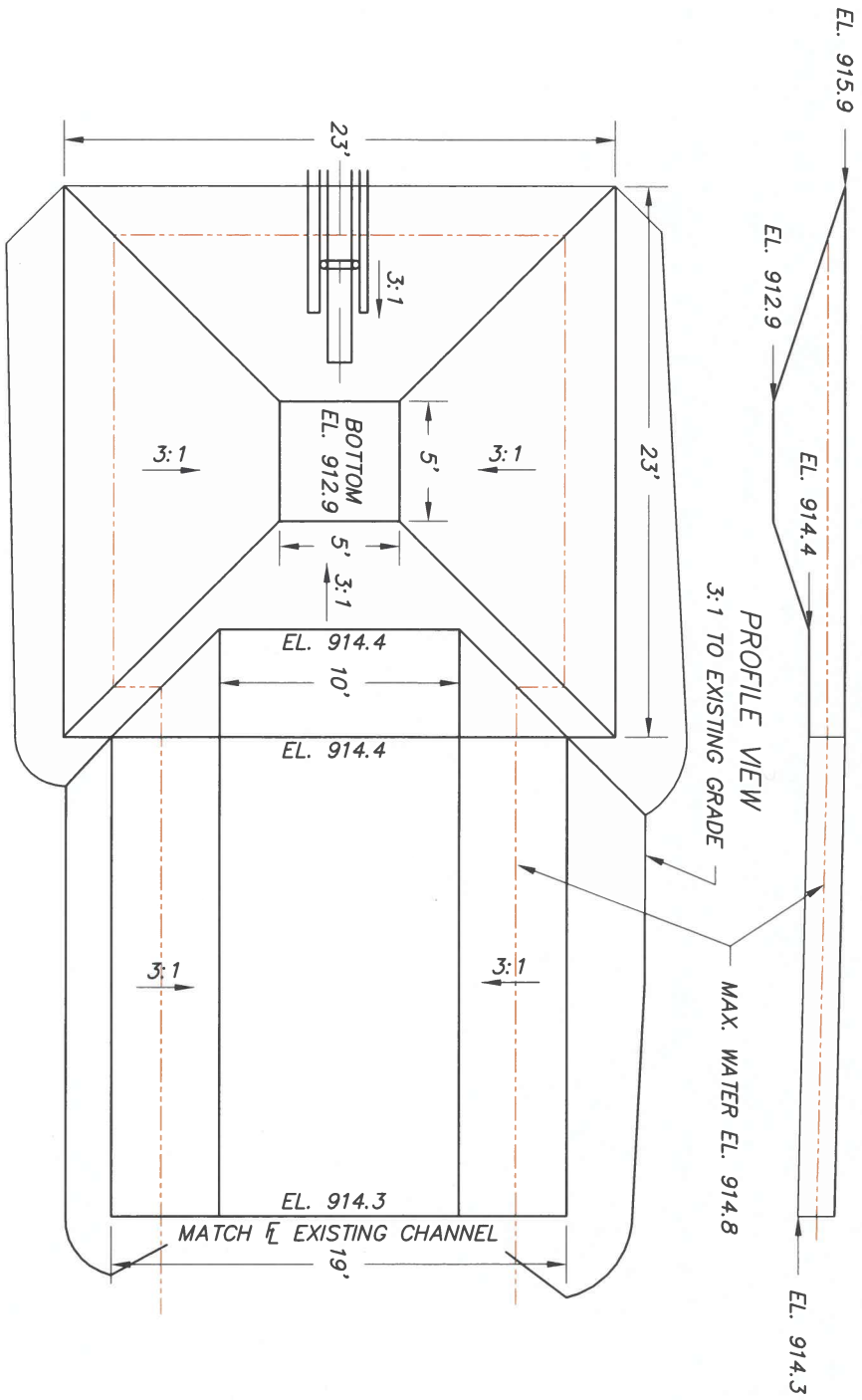
MARMATON WATERSHED GEIGER SITE PRIMARY SPILLWAY DETAILS

ENGINEER LFY
DATE 05-01-24
DRWN BY BCM
CHKD BY LFY
DATE 05-01-24

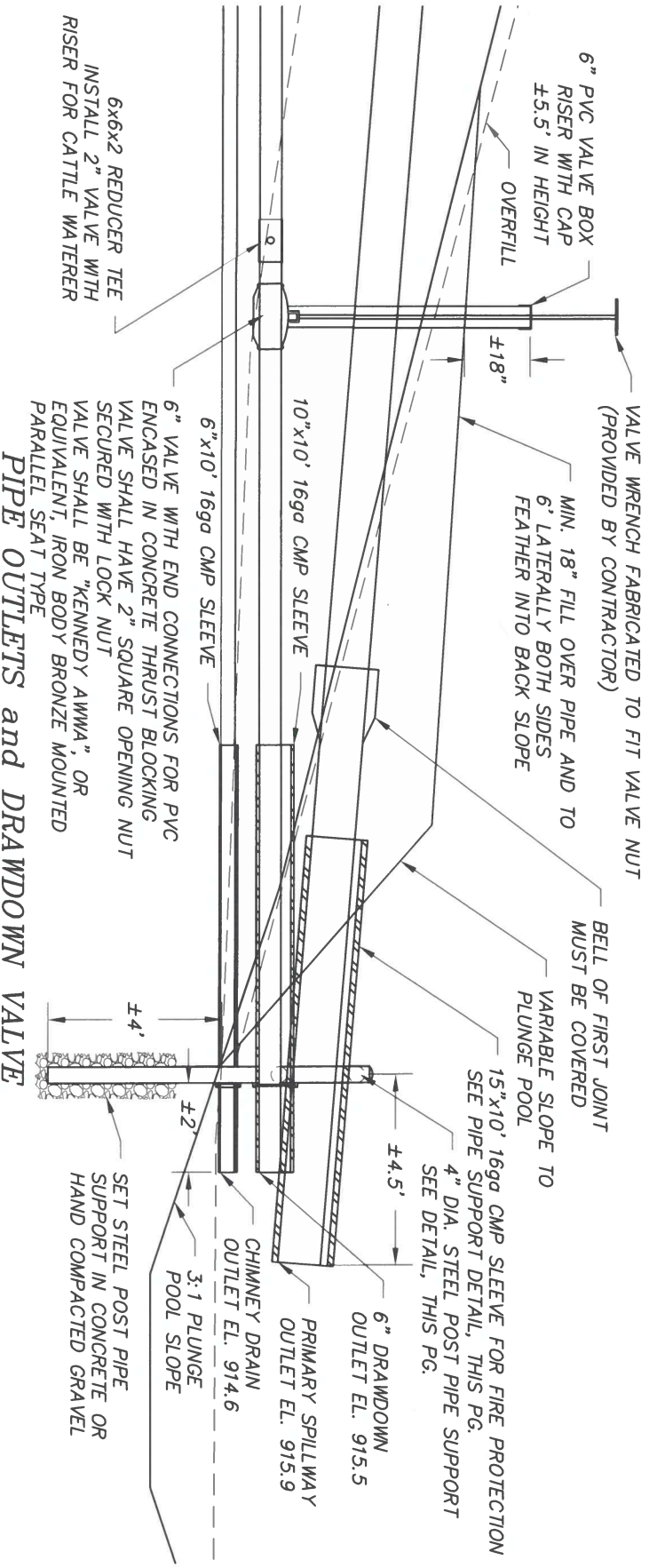
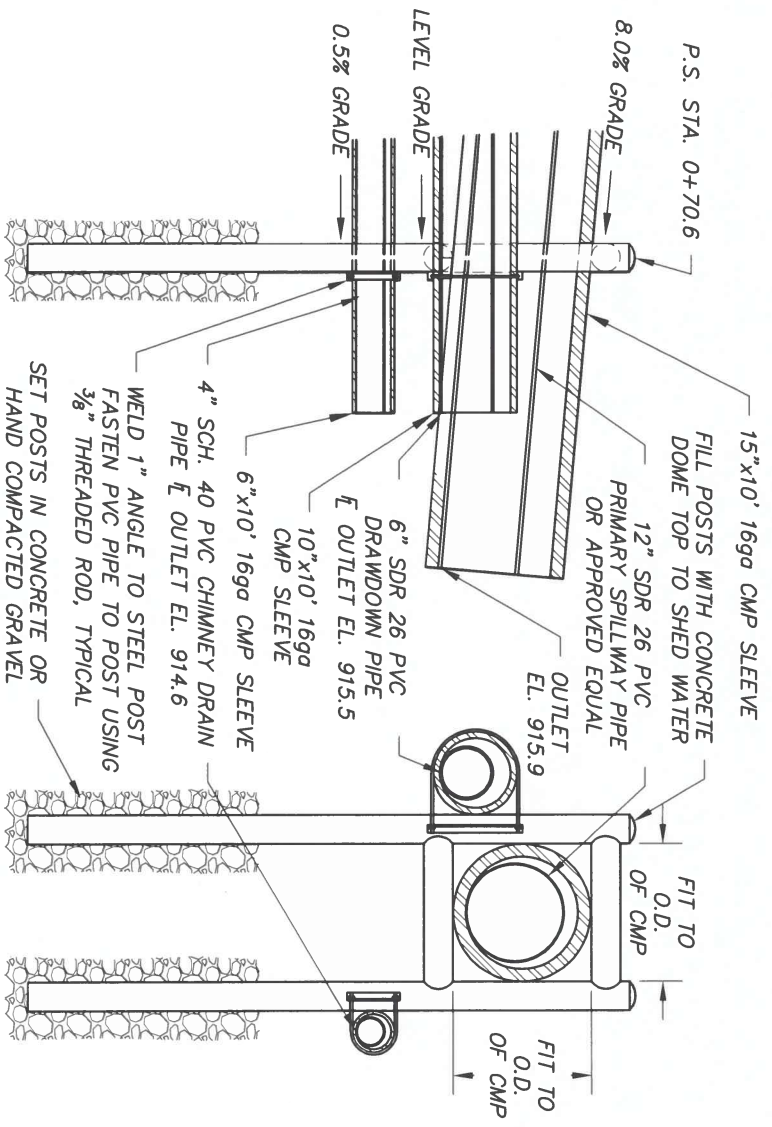
PROJECT NO.
6423

DRAWING NO.
7 of 10

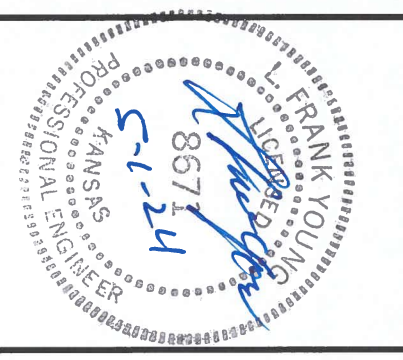
Rev. # **Date**



PLUNGE POOL
 PLAN VIEW
 SCALE: 1" = 8'



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MARMATON WATERSHED GEIGER SITE PLUNGE POOL and PIPE OUTLETS

ENGINEER LFY
DATE 05-01-24
DRAWN BY BCM
CHK'D BY LFY
DATE 05-01-24

PROJECT NO.
6423

DRAWING NO.
8 of 10

Rev. #	Date

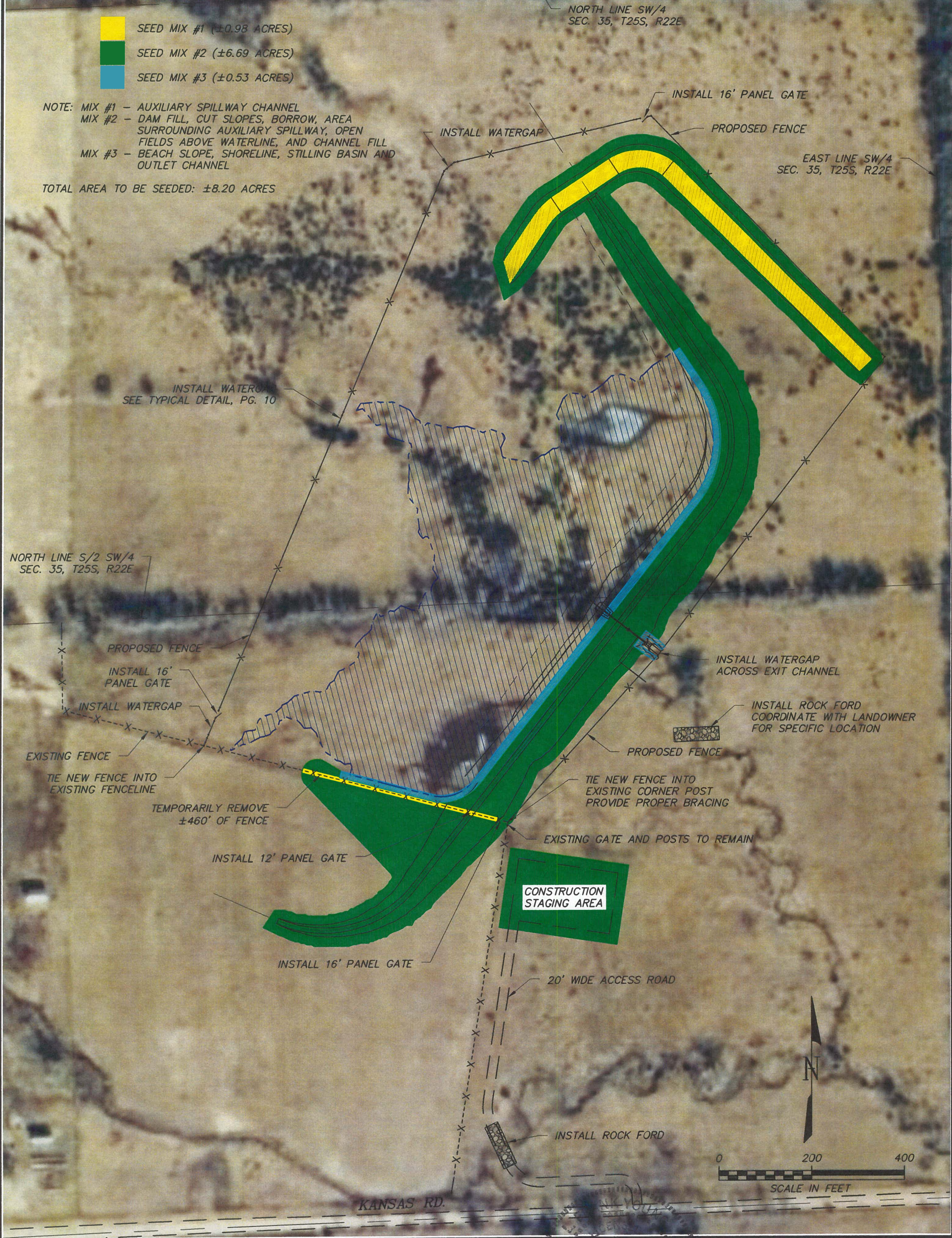
SUMMARY OF QUANTITIES

- ±3840' 5-5/8" AND BARBED WIRE FENCE
- 1 12' PANEL GATE
- 2 16' PANEL GATES
- 4 WATERGAPS
- ±103' 2" CATTLE WATERER SUPPLY LINE
- CAP FOR FUTURE WATERER INSTALLATION
- 30'x100' ROCK FORD

- SEED MIX #1 (±0.98 ACRES)
- SEED MIX #2 (±6.69 ACRES)
- SEED MIX #3 (±0.53 ACRES)

NOTE: MIX #1 - AUXILIARY SPILLWAY CHANNEL
 MIX #2 - DAM FILL, CUT SLOPES, BORROW, AREA SURROUNDING AUXILIARY SPILLWAY, OPEN FIELDS ABOVE WATERLINE, AND CHANNEL FILL
 MIX #3 - BEACH SLOPE, SHORELINE, STILLING BASIN AND OUTLET CHANNEL

TOTAL AREA TO BE SEEDED: ±8.20 ACRES



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 Uniontown, KS 66779
 Phone: 620-756-1000
 Fax: 620-756-4600

Marmaton Watershed
 Joint District No. 102
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 620-756-1000

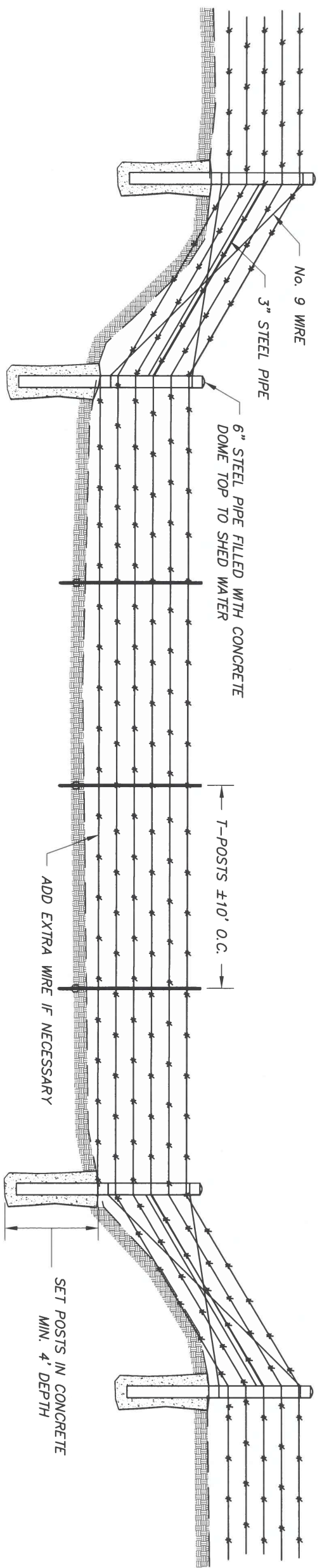
ENGINEER LFY
 DATE 05-01-24
 DRAWN BY BCM
 CHK'D BY LFY
 DATE 05-01-24

MARMATON WATERSHED
 GEIGER SITE
 SEC. 35, T25S, R22E
 BOURBON COUNTY, KS
 FENCING & SEEDING

5-1-24
 8671
 KANSAS
 PROFESSIONAL ENGINEER

REV#	DATE	DESCRIPTION

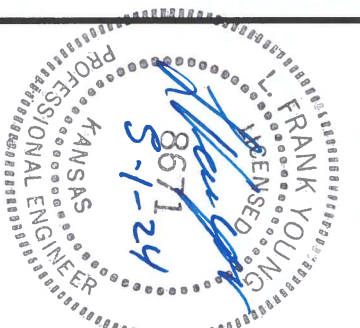
PROJECT NO. 6423	
DRAWING NO. 9 of 10	
Rev. #	Date



WATERGAP FENCING
SCALE: 1" = 6'



REV	DATE	DESCRIPTION




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Marmaton Watershed
 Joint District No. 102
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MARMATON WATERSHED
GEIGER SITE
MISCELLANEOUS DETAILS

ENGINEER LFY
DATE 05-01-24
DRAWN BY BCM
CHK'D BY LFY
DATE 05-01-24

PROJECT NO.
6423

DRAWING NO.
10 of 10

Rev. #	Date

From: Luttjohann, Bobbi [KDA]
Sent: Wed 11/13/2024 1:26 PM
To: Baum, Kristen [KDA]
Subject: FW: Marmaton water right
Attachments: PDF Drawings stamped.pdf, 2024-10-10 DBB-0159 Nonjurisdictional Ltr.pdf, Scanned from a Xerox Multifunction Printer.pdf

Hi Kristen-

Frank Young sent in an application for the Marmaton WJD #102. He should have included the letter from Ambrose and the drawing/map of the location with the landowners' names and addresses. He had sent them to me previously and I was hoping I could just forward these to the person that would be working the application so they would have the information or get them in the application that he sent in.

Please let me know if forwarding them to you is enough or I need to do something additional.

Thank you -Bobbi

Bobbi Luttjohann
Phone: 785-296-1886
Mobile: 785-296-9984

-----Original Message-----

From: Frank Young <frank@agengineering.com>
Sent: Thursday, October 24, 2024 11:49 AM
To: Luttjohann, Bobbi [KDA] <Bobbi.Luttjohann@ks.gov>
Subject: Marmaton water right

EXTERNAL: This email originated from outside of the organization. Do not click any links or open any attachments unless you trust the sender and know the content is safe.

Bobbie: Attached is the application, easement, plan set, and exemption letter for the Geiger Site. Please review and see if this is adequate, then I will have the Board Chair sign and send with the \$200 application fee, most likely at their next meeting in November.

Thanks for your assistance...frank

-Frank

L. Frank Young, P.E.
Senior Engineer
Agricultural Engineering Associates, Inc.
Phone: 620.756.1000
Fax: 620.756.4600
Email: frank@agengineering.com

1320 Research Park Drive
Manhattan, KS 66502
785-564-6700
www. agriculture.ks.gov



900 SW Jackson, Room 456
Topeka, KS 66612
785-296-3556

Mike Beam, Secretary

Laura Kelly, Governor

November 22, 2024

MAMATON WATERSHED JOINT DISTRICT #102
PO BOX 4
UNIONTOWN KS 66779

RE: Application, File No(s). **51359**

Dear Sir or Madam:

The Division of Water Resources (Division) has received your application(s) for a permit to appropriate water for beneficial use. Your application(s) has been assigned the file number(s) referenced above. Please be aware that the Division may have a large number of pending applications on hand at times and makes every attempt to process them in the order in which they are received. You will be contacted if additional information is required.

Please note, this letter only acknowledges receipt of your application(s) and does not guarantee approval. In accordance with the provisions of the Kansas Water Appropriation Act, the use of water as proposed prior to approval of the application(s) is unlawful.

Additional information about the process may be found on our website at agriculture.ks.gov/divisions-programs/dwr. If you have any other questions, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. If you call, please reference the file number so we can help you more efficiently.

Sincerely,

Kris Neuhauser
New Applications Lead
Water Appropriation Program