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 51350
This item to be completed by the Division of Water Resources.

11/1/2024, 8:55 AM
Water Resources Received
KS Dept Of Agriculture

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.)

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): Dallas & Kacey Schick (contact: Kacey Schick) [email: kc_giefer@yahoo.com]

   Address: 2830 Crestview Dr

   City: Emporia State KS Zip Code 66801

   Telephone Number: (620) 343-5270

   NEEDS STREAM NAME

2. The source of water is: ☒ surface water in overland flow runoff from contributing drainage area (stream)

   OR ☐ groundwater in NEOSHO RIVER BASIN (drainage basin)

   11/5/2024 KJN

   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 29 acre-feet OR _____ gallons per calendar year, to be diverted at a maximum rate of NF gallons per minute OR _____ cubic feet per second.

   Maximum quantity equals constructed pond storage at auxiliary spillway elevation plus net evaporation.

   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		

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* REC *Source* G / S *County* LY *By* KJN *Date* 11/5/24
Code REG *Fee $* 200 *TR #* PY2411LB354 *Receipt Date* 11/01/2024 *Check #* _____

DWR 1-100 (Revised 05/17/2019)

11/7/2024
KAnderson

11/1/2024

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

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) = Principal Spillway Pipe

(A) One in the SW quarter of the SE quarter of the NE quarter of Section 22, more particularly described as being near a point 3,216 feet North and 1,289 feet West of the Southeast corner of said section, in Township 18 South, Range 11 East, Lyon 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 _____ , _____ 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 _____ , _____ 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 _____ , _____ 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 (¼) 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):

_____
(name, address and telephone number)

_____
(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 October 23, 2024. Kelly Smith
> 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 one (1) pond embankment
(number of wells, pumps or dams, etc.)
and was completed (by) August / September 2024.
(Month/Day/Year - each was or will be completed)

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

File No. _____

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 Floodplain fill permit pending
- If no, explain here why a Water Structures permit is not required _____

_____

_____

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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KS Dept Of Agriculture

File No. _____

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 owner.
(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):

_____
(name, address and telephone number)

_____
(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 Emporia, Kansas, this 23 day of October (month), 2024 (year).

Kelly Sim
(Applicant Signature)

By _____
(Agent or Officer Signature)

_____
(Agent or Officer - Please Print)

Assisted by Brian Severin, P.E. Eocene Environmental Group (office/title) Date: 10/1/2024

FEE SCHEDULE

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

11/1/2024

Water Resources
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Design Report

Project Information

- Name: Dallas & Kacey Schick
- Practice: Pond (As Constructed)
- Legal: NE 1/4 Section 22, Township 18 South; Range 11 East
- Location: Lyon County, Kansas

Project Description

The project is located along and within the floodplain of Stillman Creek. The project includes one pond embankment with a principal spillway pipe. The pond embankment was constructed August / September 2024 (prior to securing permits). The pond project is located approximately 3.5 miles north of Emporia, Kansas. The pond embankment was constructed for recreational use and will capture 13.5 acres of surface water runoff.

The as constructed top of embankment elevation is 1137.0. The auxiliary spillway elevation is 1135.0. The lowest point on the downstream toe has an elevation of 1127.6. Therefore, the embankment has a total height of 9.4 feet and an effective height of 7.4 feet.

The principal spillway is a 10-inch diameter PVC pipe with canopy inlet. The principal spillway inlet elevation is 1133.0. At the principal spillway elevation, the pond has 5.54 acres of surface area and 23.05 acre-feet of storage. The auxiliary spillway is V-shaped and located on the left abutment (east end). The pond surface area at the auxiliary spillway is 7.33 acres with a total storage of 35.92 acre-feet. The pond surface area at the top of embankment is 9.25 acres with a total storage of 52.53 acre-feet.

There is not a supply / drawdown pipeline installed.

The project will not hydraulically affect adjacent landowners. The storage pool at the principal spillway, auxiliary spillway, and top of embankment will be confined to the landowner’s property.

Survey

The project area was surveyed by Matt Miller, Engineering Technician, Eocene Environmental Group using survey grade GPS equipment. The survey data was collected in the Kansas State Plane, Zone South coordinate system. The project is tied to permanent benchmarks labeled and described on the Plan Sheets. LiDAR topographic data was compared to the survey data and elevation corrected for planning and design use.

Permitting and Permissions

The following permits and permissions will be required for the as constructed pond and associated storage area. Pertinent information for the permits has been supplied on the permit applications.

- Kansas Department of Agriculture, Division of Water Resources: DWR 1-100 Water Appropriation for Beneficial Use (Natural Flow – Surface Water Storage)
- Kansas Department of Agriculture, Division of Water Resources: DWR 2-200 Floodplain Fill
    - The as constructed embankment pond will require a variance to K.A.R 5-45-12. Levees and floodplain fills; setback. Portions of the pond do not meet the required 100-ft setback from the adjacent creek bank. See plan sheets for additional detail.

      The pond embankment (Sta 0+50 – 12+85) averages 40 feet of setback from the creek bank, with the closest setback distance being 10 feet (Sta 5+00). The creek bank is stable and vegetated. Google Earth imagery over the past 20+ years shows little to no erosion and/or advancement of the creek bank.

Appendix

The attached Appendix includes Plan Sheets, KDA-DWR Report, and Permit Documentation.

Eocene SM
Environmental Group

Project: Dallas & Kacey Schick

Practice: Pond (As Constructed)

Location: NE 1/4 Sec 22, T–18S; R–11E

Lyon County, Kansas

Index to Drawings

Brian W. Severin, P.E. October 2024
Designed by Date

Approved by Date

Before any investigation or construction activity, the excavator is responsible for calling Kansas One–Call at 800–344–7233 (800–DIG–SAFE) or 811

11/1/2024

The approximate project location is 3.5 miles north of Emporia, Kansas.

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Upstream and Downstream Landowners

1) Project Location
Schick, Dallas E & Kacey L
2830 Crestview Dr
Emporia, Kansas 66801

2) Gatewood, Roy John & Laura Kay
1022 Road 220
Emporia, Kansas 66801

3) Rice, William E
1071 Road 220
Emporia, Kansas 66801

4) Kusmaul, Maynard C & Larry L
1340 Woodland St
Emporia, Kansas 66801

5) Bollinger, Timothy S & Lynnette M
2184 Road K
Emporia, Kansas 66801

6) Bair, Edward W & Glenda L & Bair Cathryn A
2178 Road K
Emporia, Kansas 66801

7) Altis, Arthur D
1025 Road 220
Emporia, Kansas 66801

8) Chrisman, John P & Kristina M
1033 Road 220
Emporia, Kansas 66801

9) Rice, William E
1071 Road 220
Emporia, Kansas 66801

10) Mitchell, Danny L & Francene M
2169 N Hwy 99
Emporia, Kansas 66801

11) DKS Family LLC
2830 Crestview Dr
Emporia, Kansas 66801

12) England Family; Revocable Trust
2153 N Hwy 99
Emporia, Kansas 66801

13) Gomez, Indalesio & Kevin & DeSoto-Gomez, Bertha
2312 Crestview Dr
Emporia, Kansas 66801

14) Blankley Family Trust
1348 Road 140
Emporia, Kansas 66801

15) Lyon Family Living Trust
120 Road 155
Emporia, Kansas 66801

16) Kraft, Samuel E
1302 Presby Dr
Emporia, Kansas 66801

17) Ziegler, Elsie M
923 Road 210
Emporia, Kansas 66801

Points of Diversion

A) Principal Spillway Pipe – Storage

Location Map and Adjacent Landowners

		Date
Designed	B Severin	09/24
Drawn	B Severin	10/24
Checked	M Miller	10/24
Approved	B Severin	10/24

Dallas & Kacey Schick
Pond (As Constructed)
NE 1/4 Sec 22, T-18S; R-11E
Lyon County, Kansas

Eocene SM Environmental Group

200 0 200 400

Scale in Feet

11/1/2024

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Benchmark Table				
Benchmark	Northing	Easting	Survey Elevation	Description
BM1	1978222.43	1978028.54	1138.27	Top of rebar
BM2	1978550.25	1977960.67	1151.14	Top of concrete, southwest corner

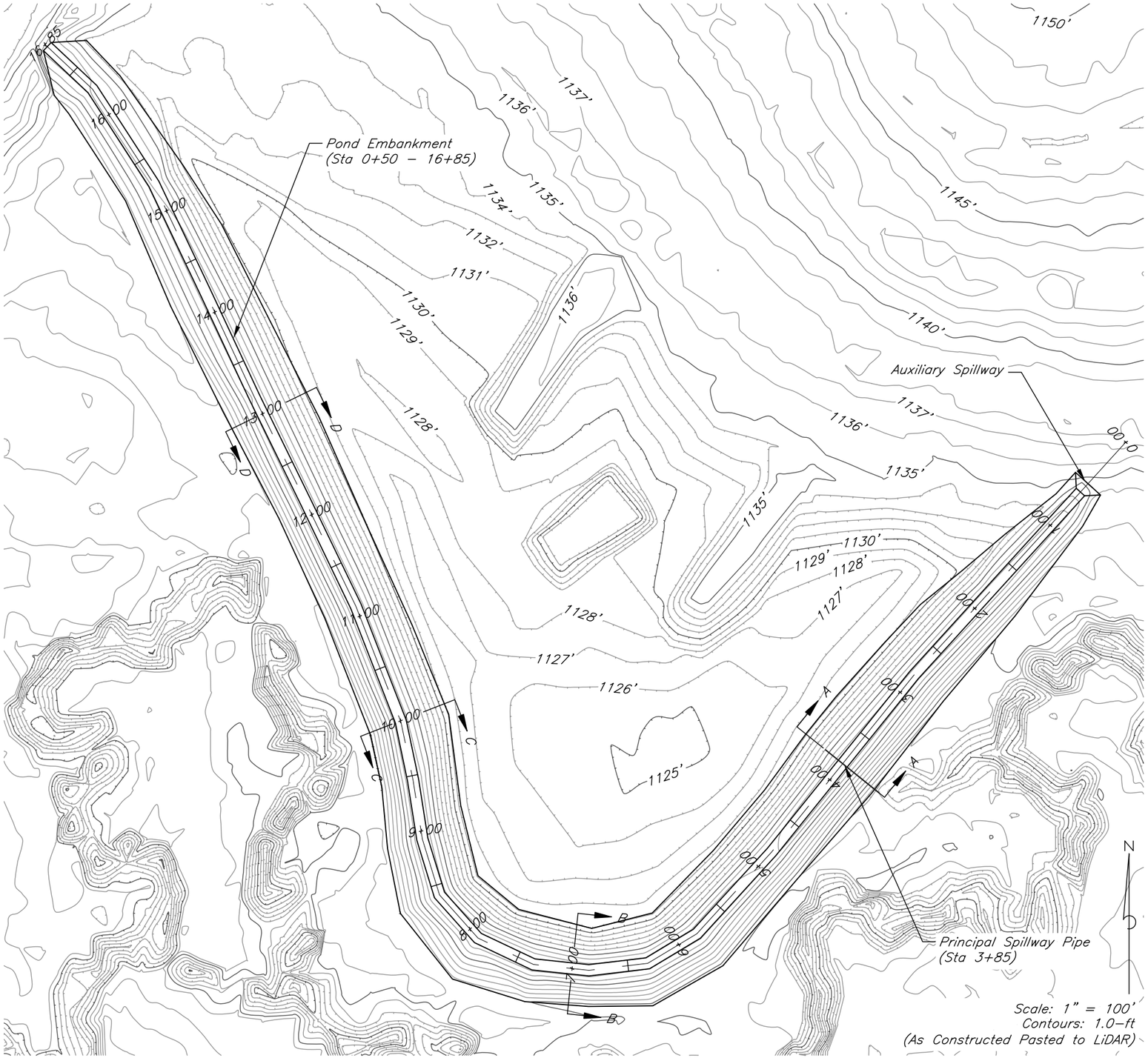
Survey Area:
Kansas State Plane (South)

Orthographic Plan Map

	Date
Designed B Severin	09/24
Drawn B Severin	10/24
Checked M Miller	10/24
Approved B Severin	10/24

Dallas & Kacey Schick
Pond (As Constructed)
NE 1/4 Sec 22, T-18S; R-11E
Lyon County, Kansas

Eocene SM Environmental Group



Pond Stage Storage Table				
	Elevation (ft)	Area (ac)	Storage (ac–ft)	Total Storage (ac–ft)
	1124.0	0.07	0.00	0.00
	1125.0	0.17	0.12	0.12
	1126.0	0.70	0.43	0.55
	1127.0	1.36	1.03	1.58
	1128.0	2.08	1.72	3.30
	1129.0	3.13	2.60	5.90
	1130.0	3.68	3.40	9.31
	1131.0	4.26	3.97	13.28
	1132.0	4.87	4.57	17.84
PS	1133.0	5.54	5.21	23.05
	1134.0	6.43	5.99	29.04
ASW	1135.0	7.33	6.88	35.92
	1136.0	8.32	7.82	43.74
TOD	1137.0	9.25	8.78	52.53

11/1/2024

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KS Dept Of Agriculture

Topographic Plan Map and Storage Tables

	Date
Designed B Severin	09/24
Drawn B Severin	10/24
Checked M Miller	10/24
Approved B Severin	10/24

Dallas & Kacey Schick
Pond (As Constructed)
NE 1/4 Sec 22, T–18S; R–11E
Lyon County, Kansas

Eocene SM Environmental Group

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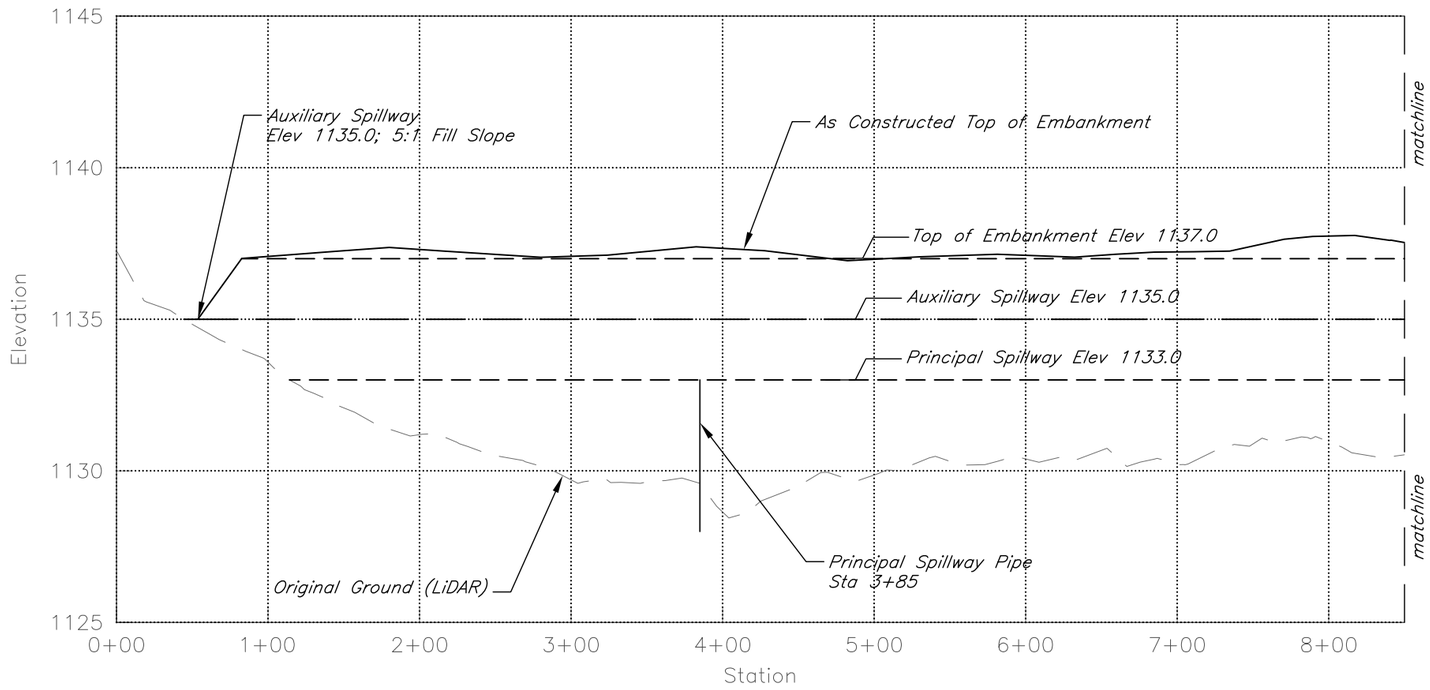
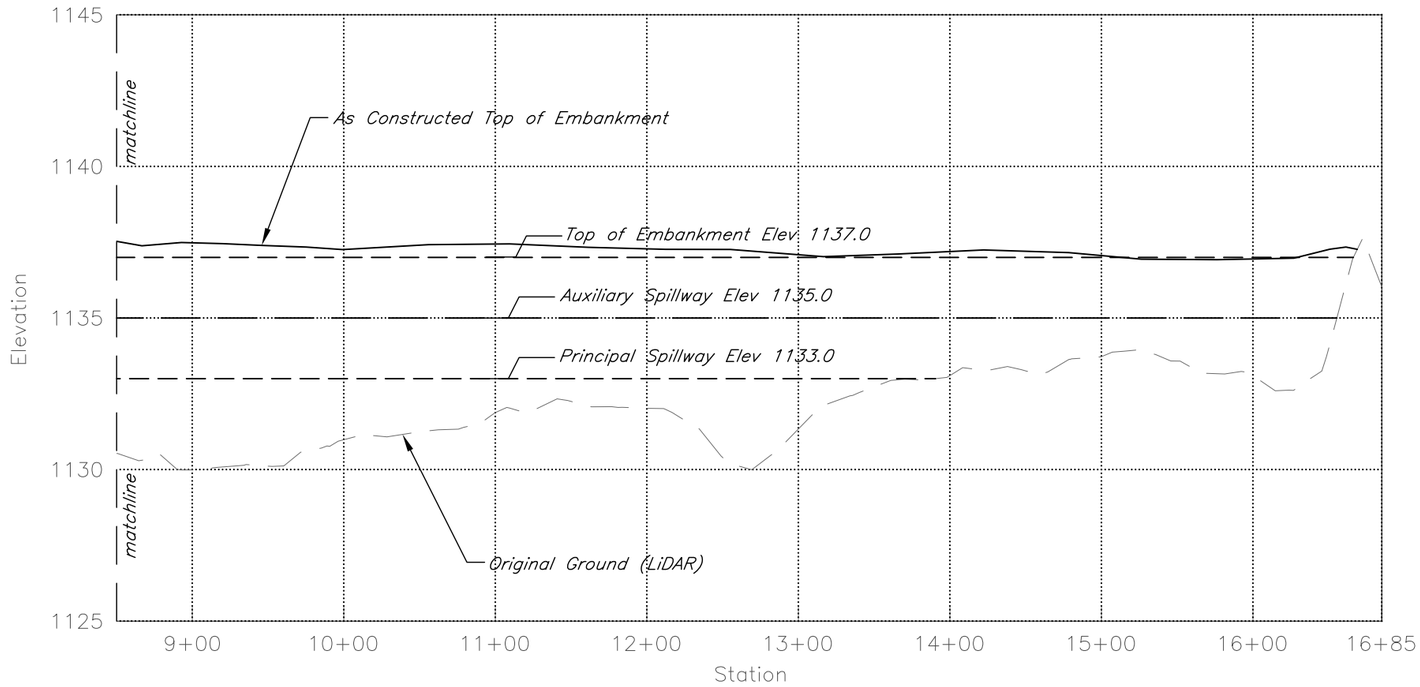
KS Dept Of Agriculture



Profile View of Pond Embankment



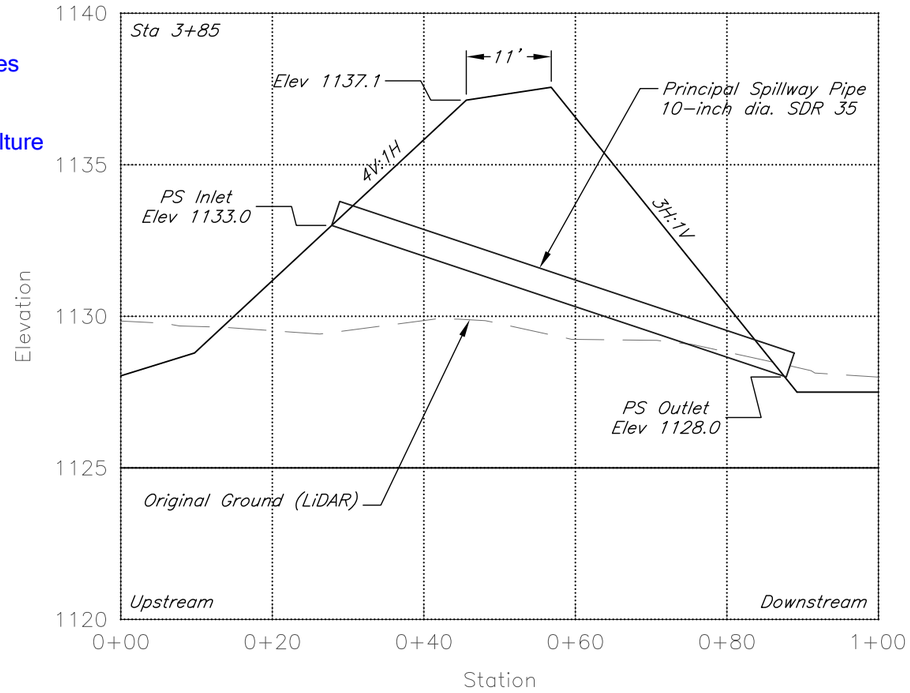
Profile View of Pond Embankment

Pond Embankment Profile

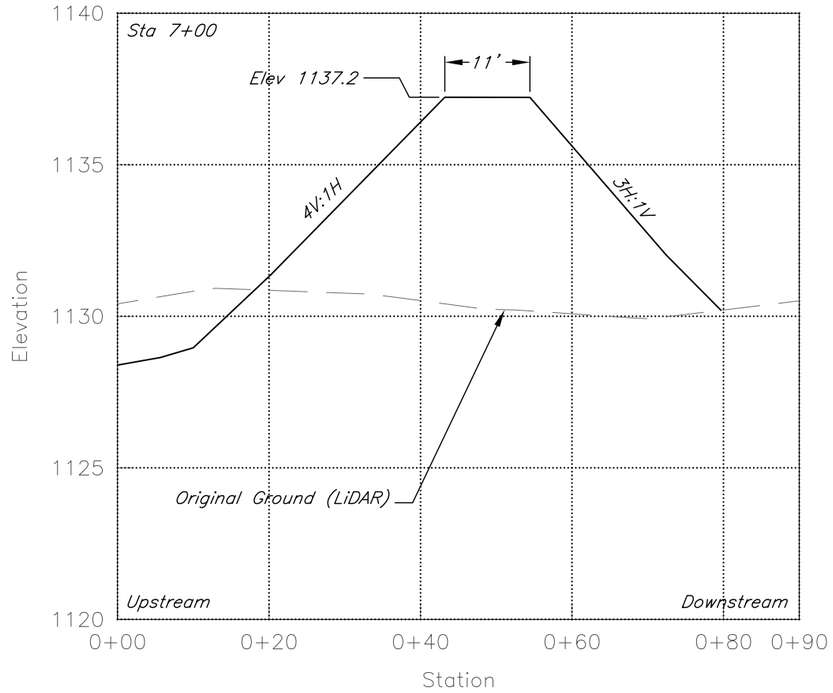
		Date
Designed	B Severin	09/24
Drawn	B Severin	10/24
Checked	M Miller	10/24
Approved	B Severin	10/24

Dallas & Kacey Schick
Pond (As Constructed)
NE 1/4 Sec 22, T-18S; R-11E
Lyon County, Kansas

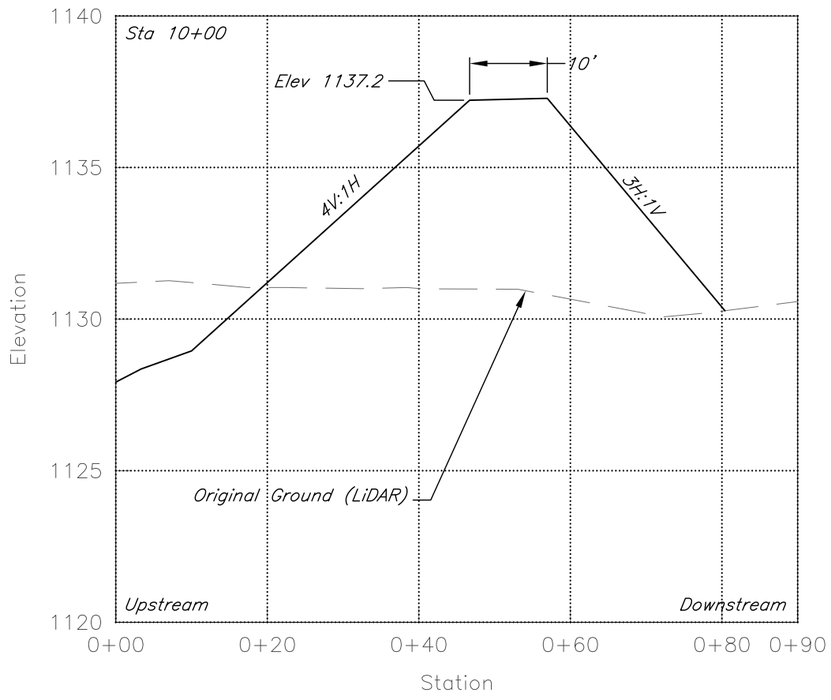
Eocene SM Environmental Group



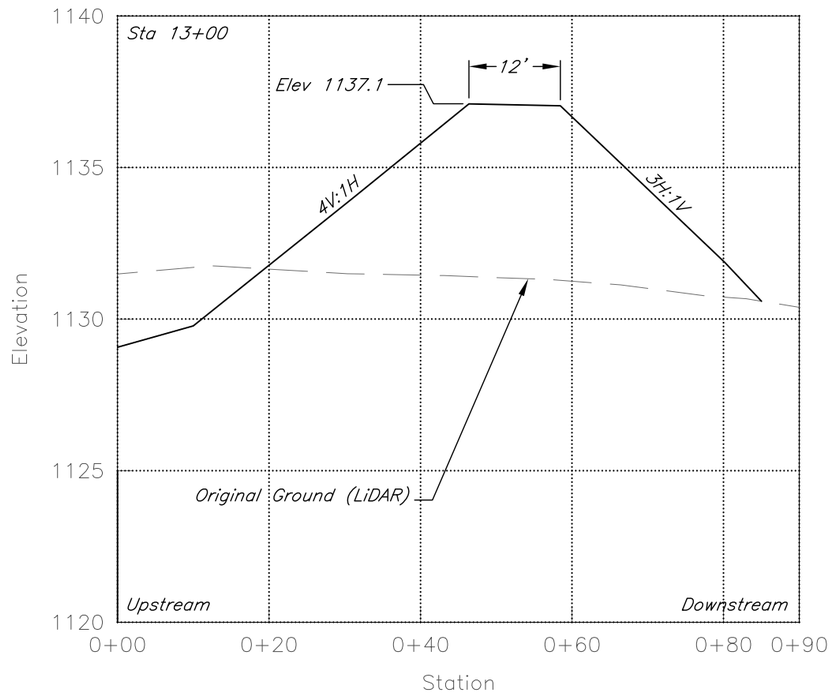
Section A–A



Section B–B



Section C–C



Section D–D

Pond Embankment Sections

	Date
Designed B Severin	09/24
Drawn B Severin	10/24
Checked M Miller	10/24
Approved B Severin	10/24

Dallas & Kacey Schick
Pond (As Constructed)
NE 1/4 Sec 22, T-18S; R-11E
Lyon County, Kansas

Eocene SM Environmental Group

11/1/2024

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Base Flood Analysis

		Date
Designed	B Severin	09/24
Drawn	B Severin	10/24
Checked	M Miller	10/24
Approved	B Severin	10/24

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Pond (As Constructed)
NE 1/4 Sec 22, T-18S; R-11E
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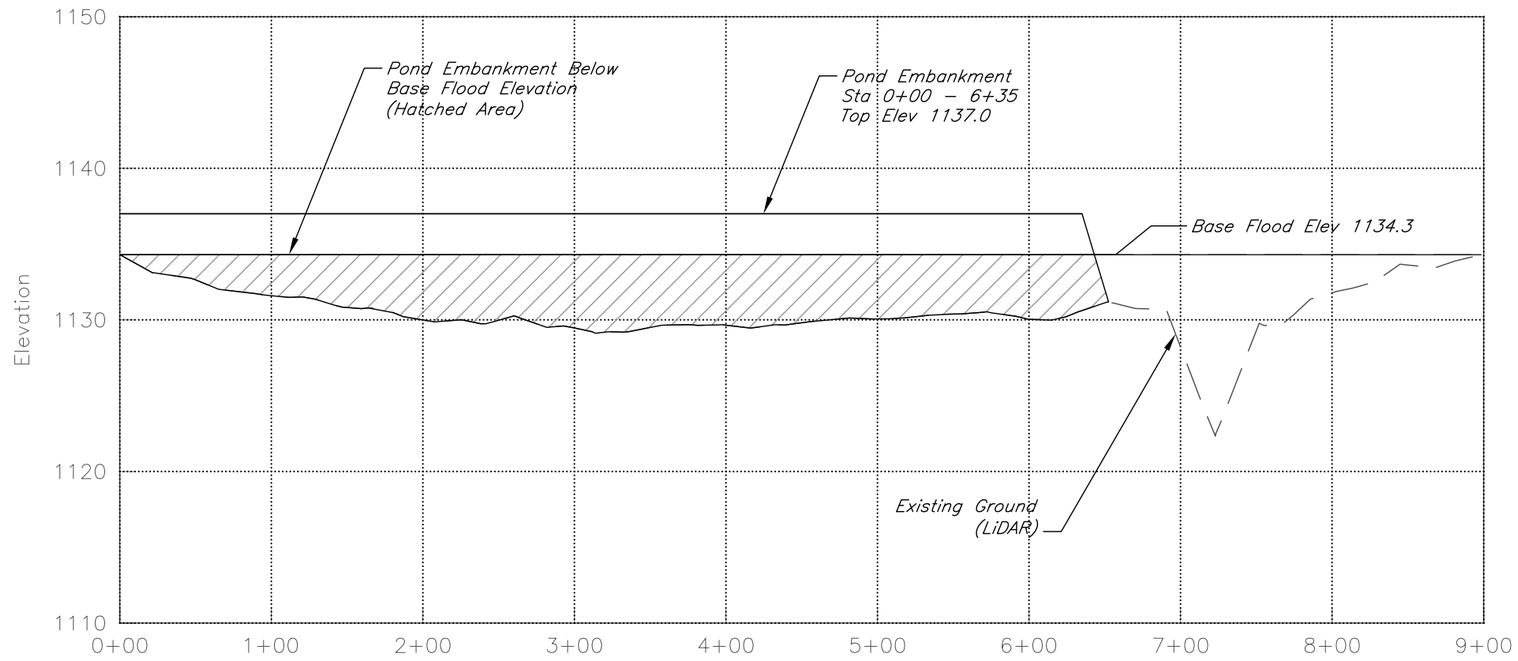

Profile View of Base Flood

References:

Existing ground and channels: LiDAR Topographic Data

Base Flood Elevation Determination: Keegan Schwartz, KDA – Division of Water Resources

FEMA Zone A Floodplain: National Flood Insurance Program, Flood Insurance Rate Map (FIRM) Map Number FM20111C0235E, Unincorporated areas of Lyon County, KS (06/15/2022)

No DWR permitted floodplain fills are located within 1/4 mile of the dike location. Therefore, a geometric base flood analysis was completed.

KDA–DWR Determined Base Flood Elevation = 1134.3
Base flood section area = 3,400 sq. ft.
Top width of base flood section = 900 ft
Maximum earthfill area below base flood elevation = 2,470 sq. ft.

Earthfill will increase base flood area by 73%
Earthfill will increase base flood elevation by 2.74 ft.

The base flood analysis was completed along the east end of the pond embankment. The embankment creates the greatest floodplain elevation effect in this location. Although the analysis shows a base flood elevation rise greater than one foot, the resulting increase will remain on the landowner's property. Once flood waters pass the embankment, it will have full access to the natural drainage ways and floodplain. Therefore, the floodplain will stabilize to the current base flood elevation once past the pinch point of the as constructed pond embankment.

Base Flood Analysis Completed By: Brian W Severin Date: 10/1/2024

Base Flood Analysis

		Date
Designed	B Severin	09/24
Drawn	B Severin	10/24
Checked	M Miller	10/24
Approved	B Severin	10/24

Dallas & Kacey Schick
Pond (As Constructed)
NE 1/4 Sec 22, T–18S; R–11E
Lyon County, Kansas

Eocene SM Environmental Group

KDA – Division of Water Resources (DWR) Report

Direct Diversion

There is no direct diversion of surface water planned with this project. Therefore, a DWR Water Appropriation for Beneficial Use (Direct Diversion) permit will not be required.

Surface Water Storage

The permanent pool, total storage for the pond embankment was analyzed from the principal spillway pipe elevation. The total storage at the pond principal spillway is greater than 15 ac-ft. Therefore, a DWR Water Appropriation for Beneficial Use (Storage) permit will be required.

Pond Stage Storage Table

Elevation (ft)	Area (ac)	Storage (ac-ft)	Total Storage (ac-ft)
1124.0	0.07	0.00	0.00
1125.0	0.17	0.12	0.12
1126.0	0.70	0.43	0.55
1127.0	1.36	1.03	1.58
1128.0	2.08	1.72	3.30
1129.0	3.13	2.60	5.90
1130.0	3.68	3.40	9.31
1131.0	4.26	3.97	13.28
1132.0	4.87	4.57	17.84
1133.0 (Principal Spillway)	5.54	5.21	23.05
1134.0	6.43	5.99	29.04
1135.0 (Auxiliary Spillway)	7.33	6.88	35.92
1136.0	8.32	7.82	43.74
1137.0 (Embankment Top)	9.25	8.78	52.53

Base Flood Analysis

The project is located within the FEMA Zone A flood boundary of Stillman Creek. Therefore, a floodplain fill permit will be required. A base flood analysis was completed to determine the increase in base flood area and flood elevation. The elevation of the existing ground and channels was approximated from Kansas LiDAR topographic data. The Base Flood Elevation (BFE) for the project location was determined by Keegan Schwartz, KDA-DWR. The base flood (FEMA Zone A, 100-yr floodplain) was approximated from the FEMA FIRM data (Map Number FM200111C0235E, Unincorporated Areas of Lyon County, KS). There are no DWR permitted floodplain fills located within ¼ mile of the pond embankment location. Therefore, a geometric base flood analysis was completed. The as constructed dikes will increase the base flood area by 73% and the base flood elevation by 2.74 feet. See Base Flood Analysis plan sheets for further detail.

The base flood analysis was completed along the east end of the pond embankment. The embankment creates the greatest floodplain elevation effect in this location. Although the analysis shows a base flood elevation rise greater than one foot, the resulting increase will remain on the landowner's property. Once flood waters pass the embankment, it will have full access to the natural drainage ways and floodplain. Therefore, the floodplain will stabilize to the current base flood elevation once past the pinch point of the as constructed pond embankment.

RECREATIONAL USE SUPPLEMENTAL SHEET

File No. _____

Name of Applicant (Please Print): Dallas & Kacey Schick (contact: Kacey Schick)

1. Please indicate type of recreational use (boating, fishing, swimming, etc.): Constructed pond embankment to impound water for wildlife and recreational use.

2. Please summarize how the water will be used and justify the quantity of water requested: Constructed pond storage plus net evaporation at the principal spillway elevation = 29 acre-feet. The installed principal spillway pipe will release runoff and stored water back into the adjacent creek.

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

ESTIMATED FUTURE WATER DIVERTED/STORED

NEXT 5 YEARS	WATER TO BE DIVERTED (ACRE-FEET OR GALLONS)
Year 1	29 acre-feet
Year 2	29 acre-feet
Year 3	29 acre-feet
Year 4	29 acre-feet
Year 5	29 acre-feet

Please attach any additional information, tables, or curves showing past, present and estimated future water requirements to substantiate the amount of water requested.

4. Please designate the legal description of the location where the water is to be used by providing the fractional part of the Section, Township and Range.

NE 1/4 Sec 22, T-18S; R-11E (see plan sheets)

You may attach any additional information you believe will assist in informing the Division of the need for your request.

Topeka Field Office
1131 SW Winding Rd, Suite 400
Topeka, KS 66615

Kansas
Department of Agriculture
Division of Water Resources

Phone: 785-296-5733
www.agriculture.ks.gov

Mike Beam, Secretary

Laura Kelly, Governor

11/1/2024

Water Resources
Received

KS Dept Of Agriculture

September 30, 2024

Brian Severin
1416 Presby Dr
Emporia, Kansas 66801

Re: Base Flood Elevation Determination
KS Hwy 99

Dear Brian Severin,

This is in response to your request for a Base Flood Elevation (BFE) for the property at KS Hwy 99. The subject property is mapped within Zone A on panel 20111C0235E with the current effective date of 6/15/2022. The base flood elevation for the subject property is 1134.3 Feet NAVD 88. Attached is a map of the property. The BFE calculation was developed using excess rainfall-on-grid hydrology and 2-D HEC-RAS hydraulics that utilized high resolution LiDAR data as the ground elevation source.

Based on the LiDAR, the approximate Lowest Adjacent Grade (LAG) for the user drawn polygon is 1127.8 Feet NAVD 88. LiDAR data is believed to be accurate to within a foot of actual ground elevation barring any land changes. This data is provided as a reference only and is not survey grade accurate and cannot be used in FEMA Letter of Map Amendment (LOMA) Applications.

Larger floods than the 1% event are possible and the source modeling for the BFE was developed using approximate methods. Structures located above the determined BFE are not guaranteed to be safe from flooding. The Kansas Department of Agriculture, Division of Water Resources recommends purchasing flood insurance. Talk to your insurance agent for more details.

Panel	Panel Type	Firm Panel	Effective Date
0235	CW	20111C0235E	6/15/2022

Sincerely,

Keegan Schwartz

Keegan Schwartz
Floodplain Outreach Specialist
Division of Water Resources

Romine, Deidre [KDA]

From: Phillips, Janelle [KDA]
Sent: Thursday, October 24, 2024 9:00 AM
To: Romine, Deidre [KDA]
Subject: FW: Dallas & Kacey Schick - As Constructed Pond - Design & Permit Applications
Attachments: Schick_Design Report_PE Stamped.pdf

App for LLY-0174

Janelle Phillips, P.E.
Water Structures Team Lead
Division of Water Resources
Kansas Department of Agriculture
1320 Research Park Drive
Manhattan KS 66502
785-564-6656 - office
785-307-8292 – cell
Janelle.phillips@ks.gov

From: Severin, Brian <BSeverin@eocene.com>
Sent: Thursday, October 24, 2024 8:03 AM
To: Phillips, Janelle [KDA] <Janelle.Phillips@ks.gov>
Cc: Kacey Giefer <kc_giefer@yahoo.com>
Subject: Dallas & Kacey Schick - As Constructed Pond - Design & Permit Applications

Janelle-

Good morning! I have attached the design report and DWR permit applications for the Dallas & Kacey Schick (As Constructed) Pond in Lyon County. The as constructed project is not within ¼ mile of DWR permitted floodplain fills. Therefore, a geometric base flood analysis was completed. Please let me know if you have questions or need additional information. Thank you!

Note: The landowner will contact DWR separately to pay for the permit application fees.

Brian Severin, P.E.
Director of Technical Services, Sustainability Division

Eocene Environmental Group

5930 Grand Avenue, West Des Moines, Iowa 50266
MOBILE 785.207.0201
EMAIL bseverin@eocene.com
eocene.com | **LinkedIn** | **Employee Owner**

Eocene Environmental Group

11/1/2024

Water Resources
Received

KS Dept Of Agriculture

Dallas & Kacey Schick

Pond (As Constructed)

October 11, 2024

Prepared By:

Brian W. Severin, P.E.

Director of Technical Services

bseverin@eocene.com

785.207.0201