# NOTICE

This scan only represents the application as filed. The information contained herein meets the requirements of K.A.R. 5-3-1 or K.A.R. 5-5-1, and has been found acceptable for filing in the office of the Chief Engineer. The application should not be considered to be a complete application as per K.A.R. 5-3-1b or K.A.R. 5-5-2a.

WATER RESOURCES RECEIVED



## OF KANSAS

AUG 4 2022 1132 KS DEPT OF AGRICULTURE

#### KANSAS DEPARTMENT OF AGRICULTURE

Mike Beam, Secretary of Agriculture

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

50842
File Number \_\_\_\_
This item to be completed by the Division of Water Resources.

## 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:

	Name of Applicant (Please P	rint): Rock Creek Storie	LLC (contact: Bryan Davis; e	mail: bddavis@msn.com)			
	Address: 434 Road 70						
	City: Olpe		State Kansas Z	Zip Code 66865			
	Telephone Number: (620)	412-3697					
2.	The source of water is:		nd drainage within the Rock (stream)				
	OR	☐ groundwater in	(drainage ba	asin)			
	when water is released from to these regulations on the	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.  Storage: 28.01 ac-ft; Evaporation: 5.12 ac-ft					
3.	The maximum quantity of v	vater desired is 33.13	acre-feet OR	gallons per calendar year,			
	to be diverted at a maximu	m rate of NF ga	allons 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 <b>NOT</b> 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 us	se 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	(I) ☐ Fire Protection			
			emediation				
	(m) ☐ Thermal Exchange	(n) ☐ Contamination Re					

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

8/11/2022 LMoody ck #1478

AUG 0 4 2022

5.	The	ocation of the proposed wells, pump sites or other works for diversion of water is:				
	Note	e: 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.  Point of diversion is the drawdown pipe. See Plan Sheets.				
	(A)	One in the <u>NE</u> quarter of the <u>SW</u> quarter of the <u>NW</u> quarter of Section <u>34</u> , more particularly described as				
		being near a point 3,490 feet North and 4,037 feet West of the Southeast corner of said section, in				
		Township <u>20</u> South, Range <u>10</u> East, <u>Lyon</u> 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.				
		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.  source of supply is groundwater, a separate application shall be filed for each proposed well or battery of				
	wells	e same local source of supply which do not exceed a maximum diversion rate of 20 gallons per minute per				
	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.		owner of the point of diversion, if other than the applicant is (please print):				
		(name, address and telephone number)				
		(name, address and telephone number)				
	lando	must provide evidence of legal access to, or control of, the point of diversion from the landowner or the owner's authorized representative. Provide a copy of a recorded deed, lease, easement or other ment 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				
	lando	<u>owner.</u> Failure to complete this portion of the application will cause it to be unacceptable for filing and the cation will be returned to the applicant.				
7.	The	proposed project for diversion of water will consist of embankment pond with drawdown pipe				
		(number of wells, pumps or dams, etc.)				
	,	(Month/Day/Year - each was or will be completed) WATER RESOURCES RECEIVED				

6.

7.

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9.	Nill pesticide, fertilizer, or other foreign substance be injected into the water pumped from the diversion wor	rks?
	□ Yes  ⊠ No   If "yes", a check valve shall be required.	
	All chemigation safety requirements must be met including a chemigation permit and reporting requirement	nts.
10.	f you are planning to impound water, please contact the Division of Water Resources for assistance, prices the application. Please attach a reservoir area capacity table and inform us of the total acresturface drainage area above the reservoir.	
	Have you also made an application for a permit for construction of this dam and reservoir with the Divisio Vater Resources? $\ \square$ Yes $\ \boxtimes$ No	n of
	If yes, show the Water Structures permit number here	
	If no, explain here why a Water Structures permit is not required Pond embankment does not required	re a
	DWR structures permit due to capacity at auxiliary spillway being less than 50 acre-feet. See attac	hed
	Registration Form for Exempt Class A Dams.	
11.	The application <u>must</u> be supplemented by a U.S.G.S. topographic map, aerial photograph or a detailed showing the following information. On the topographic map, aerial photograph, or plat, identify the center he section, the section lines or the section corners and show the appropriate section, township and randomnumbers. Also, please show the following information:	r of
	a) The location of the proposed point(s) of diversion (wells, stream-bank installations, dams, or of diversion works) should be plotted as described in Paragraph No. 5 of the application, showing the No 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 wi ½ mile of the proposed well or wells. Identify each existing well as to its use and furnish the name mailing address of the property owner or owners. If there are no wells within ½ mile, please advise use	and
	c) If the application is for surface water, the names and addresses of the landowner(s) ½ mile downstre and ½ mile upstream from your property lines must be shown.	∍am
	d) The location of the proposed place of use should be shown by crosshatching on the topographic maerial photograph or plat.	пар,
	<ul> <li>Show the location of the pipelines, canals, reservoirs or other facilities for conveying water from the p of diversion to the place of use.</li> </ul>	oint
	A 7.5 minute U.S.G.S. topographic map may be obtained by providing the section, township and ra numbers to: Kansas Geological Survey, 1930 Constant, Campus West, University of Kansas, Lawrer Kansas 66047.	
12.	list any application, appropriation of water, water right, or vested right file number that covers the sativersion points or any of the same place of use described in this application. Also list any other recondifications made to existing permits or water rights in conjunction with the filing of this application.	
	None	
	VALATES	
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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 a	s completed	☐ Drillers log	attached			
	Well location as shown in No.	paragraph	(A)	(B)	(C)	(D)			
	Date Drilled	-							
	Total depth of well	_							
	Depth to water bearing for	mation							
	Depth to static water level								
	Depth to bottom of pump i	ntake pipe							
14.	The relationship of the applowner (owner, tenant, agent or otherwise)		sed place w	here the water v	will be used is th	at of			
15.	The owner(s) of the propert	y where the wate	r is used, if o	other than the a	oplicant, is (plea	se print):			
	(name, address and telephone number)								
		(name, addre	ess and tele	phone 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 OLpe	, Kansas	, this <u>2</u>	day ofA_	gust (month)	, <u>2023</u> (year	<u>2</u> .		
_	Byan Jaw (Applicant Signatu	re)	_						
<u>By</u>	(Agent or Officer Sign	ature)	_						
-	(Agent or Officer - Pleas	se Print)	_						
Assiste	d by <u>Brian Severin, P.E.</u>	<u>S</u>		nvironmental C	onsultants Date	e: <u>7/22</u> /	/2022		

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File No. \_\_\_\_\_

#### **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

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 egual 3.07 acre-feet

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# RECREATIONAL USE SUPPLEMENTAL SHEET

		File No
	Name of Applicant	(Please Print): Rock Creek Stone LLC - Bryan Davis
. Please in		nal use (boating, fishing, swimming, etc.):
		sonal recreation (fishing, hunting).
Please s	ummarize how the wate	r will be used and justify the quantity of water requested:
surface	e water runoff will be	e impounded in the embankment pond. The water
will be	used to sustain and	d attract wildlife for personal recreation.
		<u> </u>
-		
		Δ.
Please c	omplete the following to	able showing estimated future water requirements:
	ESTIMATE	D FUTURE WATER DIVERTED/STORED
	NEXT 5 YEARS	WATER TO BE DIVERTED (ACRE-FEET OR GALLONS)
	Year 1	33.13 acre-feet
	Year 2	33.13 acre-feet
	Year 3	33.13 acre-feet
	Year 3 Year 4	33.13 acre-feet 33.13 acre-feet
Dlogge o	Year 4 Year 5	33.13 acre-feet 33.13 acre-feet
	Year 4 Year 5 ttach any additional info	33.13 acre-feet
water red Please d	Year 4 Year 5  ttach any additional infoquirements to substantia	33.13 acre-feet  33.13 acre-feet  ormation, tables, or curves showing past, present and estimated futurate the amount of water requested.
water red Please d fractiona	Year 4 Year 5  ttach any additional infequirements to substantial designate the legal description of the Section, To	33.13 acre-feet  33.13 acre-feet  ormation, tables, or curves showing past, present and estimated futurate the amount of water requested.
water red Please d fractiona	Year 4 Year 5  ttach any additional infequirements to substantial designate the legal description of the Section, To	33.13 acre-feet  ormation, tables, or curves showing past, present and estimated future the amount of water requested.  ription of the location where the water is to be used by providing the bynship and Range.
water red Please d fractiona	Year 4 Year 5  ttach any additional infequirements to substantial designate the legal description of the Section, To	33.13 acre-feet  ormation, tables, or curves showing past, present and estimated future the amount of water requested.  ription of the location where the water is to be used by providing the bynship and Range.

You may attach any additional information you believe will assist in informing the Division of the

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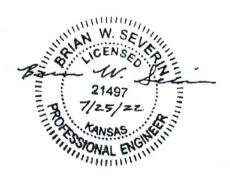
need for your request.

# Rock Creek Stone LLC Pond (As-Constructed)

Prepared by: Brian Severin, P.E., Director of Agricultural Engineering | July 25, 2022 785-207-0201 | bseverin@sustainableenviro.com



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Sustainability Risk Management | Agricultural Compliance & Engineering | Erosion Control



#### **Design Report**

#### **Project Information**

Name: Rock Creek Stone LLC

Legal: NW 1/4 Sec 34, T-20S; R-10E

Location: Lyon County, Kansas

#### **Project Description**

The project is located approximately seven miles west of Olpe, Kansas. The site is an active rock quarry. The earthen embankment dam was constructed as part of the mining reclamation. The embankment will capture 34.0 acres of runoff.

The top of dam elevation is 1320.9 feet, and the auxiliary spillway elevation is 1318.3 feet. The lowest point on the downstream toe has an elevation of 1299.0 feet. Therefore, the dam has a total height of 21.9 feet and an effective height of 19.3 feet. The storage at the auxiliary spillway is 28.01 acre-feet. The storage at the top of dam is 41.32 acre-feet.

The pond was not constructed with a principal spillway pipe. A shaped auxiliary spillway is located on the left abutment. The auxiliary spillway has capacity for a 25-year, 24-hour storm. A 10-inch diameter drawdown pipe was installed to assist with future maintenance. The drawdown outlets into the property's natural low upstream of the adjacent stream.

The project will not hydraulically affect adjacent landowners, as the permanent pool will be confined to the landowner's property. See the attached Plan Sheets for further detail.

#### **Hazard Classification**

The as-constructed pond has a hazard classification of Class A – Low. There are no potential downstream hazards within 1 mile (stream flow length) of the downstream toe. The same landowner has ownership control over the pond and land within 1 mile (stream flow length) of the downstream toe. Therefore, no future downstream development is expected.

#### Survey

The project area was surveyed by Matt Miller, Engineering Technician, Sustainable Environmental Consultants (SEC) using survey grade GPS equipment. The survey projection is Kansas State Plane, Zone South (1502) US Survey Feet, NAVD88 Vertical Datum. The project is tied to permanent benchmarks labeled and described on the Plan Sheets.

#### Design

Since the project is post construction, minimal design documentation was completed. An as-built stage storage table was created from the topographic data, and an as-built pond design was completed to size the auxiliary spillway. Average annual runoff is expected to maintain storage throughout the year. However, it will likely take multiple years of average runoff to fill the pond to permanent pool elevation (auxiliary spillway).

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#### Vegetation

The embankment top and downstream slope will be planted to permanent grass vegetation. The embankment upstream slope, auxiliary spillway, and terrace outlets will be protected with limestone rock slabs. Construction lanes and denuded areas adjacent to the pond embankment will be planted to permanent grass vegetation.

#### **Permits & Permissions**

The as-constructed pond does not meet the Kansas Department of Agriculture, Division of Water Resources (DWR) definition of a permittable structure. Therefore, a DWR structures permit is not required.

The as-constructed pond does have storage capacity which exceeds the State's requirement for beneficial use. Therefore, a DWR – Water Appropriation for Beneficial Use permit is required. See the attached DWR report for further details.

#### **Appendix**

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

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Project: Rock Creek Stone LLC

Practice: Pond (As-Constructed)

Location: NW 1/4 Sec 34, T-20S; R-10E

Lyon County, Kansas

Index to Drawings

Sheet No. Description

Cover Sheet

2 Location Map

3 Orthographic Plan Map

4 Pond Plan View and Storage Table

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

Brian Severin, P.E. Designed by

July 2022

Date



Approved by

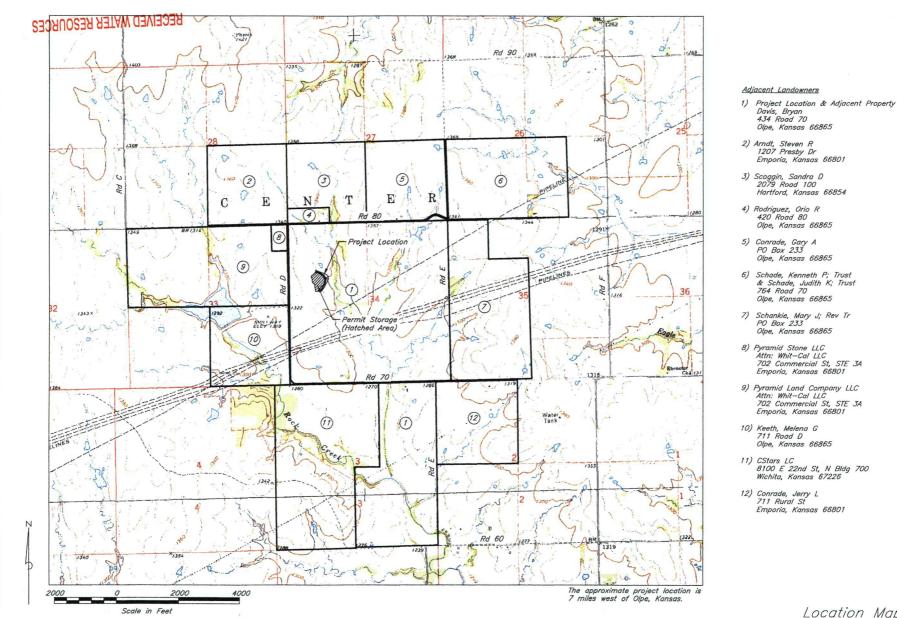
Date

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AUG 0 4 2022



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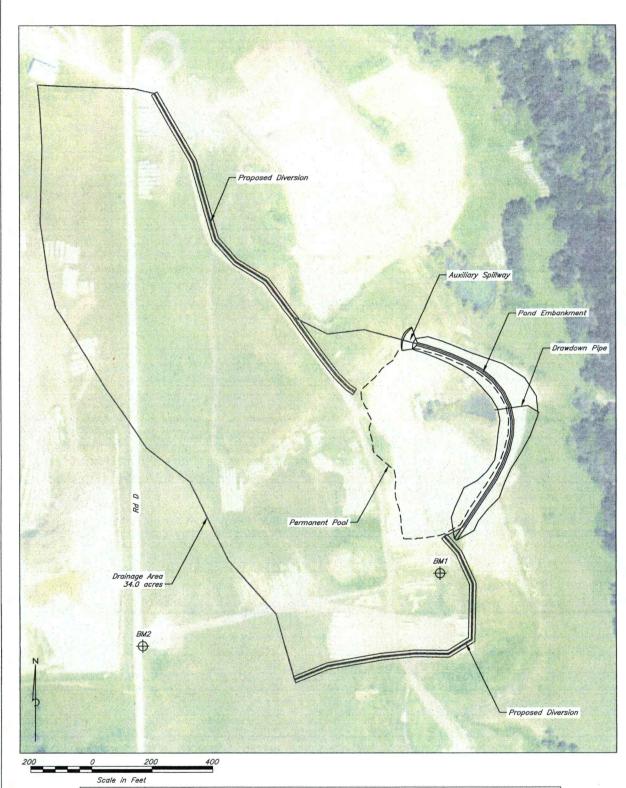
-10E

Rock Creek Stone LLC Pond (As-Constructed) 1/4 Sec 34, T-20S; R-10 Lyon County, Kansas

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Location Map





Benchmark Table Survey Elevation Benchmark Northing Easting Description RECEIVED WATER RESOURCES BM1 1903006.21 1944810.46 1326.07 Top of rebar, flag marked 1943834.94 1324.96 Top of culvert on centerline, BM2 1902767.67

Survey Area: Kansas State Plane (South)

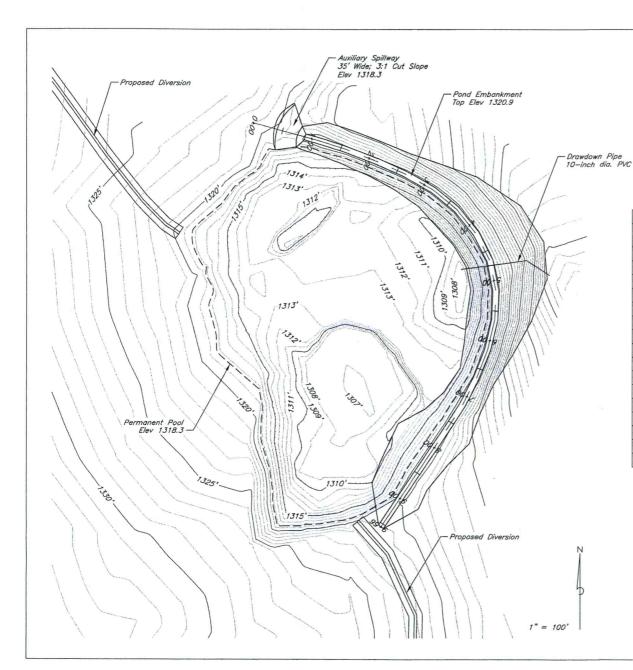
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Orthographic KS DEPT AGRICULTURE



Rock Creek Stone LLC Pond (As-Constructed) NW 1/4 Sec 34, T-20S; R-10E Lyon County, Kansas

Designed	B Severin	07/22
Drawn	B Severin	07/22
Checked	M Miller	07/22
Approved_	B Severin	07/22



Pond En	nbankment Stage St	orage Table
Elevation (ft)	Area (ac)	Total Storage (ac-ft,
1307.0	0.05	0.00
1308.0	0.49	0.27
1309.0	0.81	0.92
1310.0	1.08	1.87
1311.0	1.39	3.10
1312.0	1.72	4.66.
1313.0	2.76	6.90
1314.0	3.61	10.08
1315.0	3.89	13.83
1316.0	4.14	17.85
1317.0	4.38	22.11
1318.0	4.63	26.61
ASW 1318.3	4.72	28.01
1319.0	4.93	31.39
1320.0	5.24	36.48
TOD 1320.9	5.54	41.33

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Pond Plan View and Storage Table



Sheet 4 of 4

Rock Creek Stone LLC Pond (As-Constructed) v 1/4 Sec 34, T-20S; R-10E Lyon County, Kansas

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### KDA - Division of Water Resources (DWR) Project Report

#### **Surface Water Storage**

The Potential Net Evaporation (Annual Average Evaporation minus Annual Normal Precipitation) for the project location is 13 inches. The net storage for pond embankment was analyzed from the constructed auxiliary spillway. The Total Storage + Net Evaporation for the pond embankment is greater than 15 ac-ft. Therefore, a DWR Water Appropriations permit may be required.

Pond Embankment Stage Storage Table							
Elevation (ft)	Area (ac)	Total Storage (ac-ft)	Total Storage + Net				
		T.	Evaporation (ac-ft)				
1307.0	0.05	0.00	0.00				
1308.0	0.49	0.27	0.80				
1309.0	0.81	0.92	1.80				
1310.0	1.08	1.87	3.04				
1311.0	1.39	3.10	4.61				
1312.0	1.72	4.66	6.52				
1313.0	2.76	6.90	9.89				
1314.0	3.61	10.08	13.99				
1315.0	3.89	13.83	18.04				
1316.0	4.14	17.85	22.33				
1317.0	4.38	22.11	26.85				
1318.0	4.63	26.61	31.63				
1318.3 (Auxiliary Spillway)	4.72	28.01	33.13				
1319.0	4.93	31.39	36.73				
1320.0	5.24	36.48	42.15				
1320.9 (Top of Dam)	5.54	41.32	47.33				

#### **Direct Diversion**

Currently, no pumping or diversion of water is planned for the embankment's storage capacity. If plans change in the future, the DWR Water Appropriations permit will require a modification to include such activities.

#### **Base Flood Analysis**

The project earthfill is not located within the FEMA Zone A flood boundary. Therefore, a floodplain fill permit will not be required.

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## **DATA ENTRY SYSTEM ID NUMBER SHEET**

FILE NUMBER	50842						
APPLICANT PERSON ID & SEQ #		89740	PDIV ID	·	_	BATTERY ID	
68536					_		
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LANDOWNER PERSON ID & SEQ #		70980	PUSE ID		_		
68536				•	<del></del>		
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WATER USE CORRESP	ONDENT						
PERSON ID & SEQ #							
68536							
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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

August 29, 2022

BRYAN DAVIS ROCK CREEK STONE LLC 434 ROAD 70 OLPE KS 66865

RE: Application, File No(s). 50842

#### 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 <u>agriculture.ks.gov/divisions-programs/dwr</u>. If you have any other questions, please contact our office at 785-564-6640 or your local Topeka Field Office at 785-296-5733. 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