TCEQ Interoffice Memorandum

TO: Office of the Chief Clerk
Texas Commission on Environmental Quality

THRU: Chris Kozlowski, Team Leader
Water Rights Permitting Team

FROM: Natalia Ponebshek Project Manager
Water Rights Permitting Team

DATE: February 22, 2024

SUBJECT: Anna Crossing Partners LP
WRPERM 13834
CN606010601, RN111483970
Application No. 13834 for a Water Use Permit
Texas Water Code §§ 11.121 and 11.042, Requiring Mailed and Published Notice
Unnamed Tributary of Slayter Creek, Trinity River Basin
Collin County

The application and fees were received on April 18, 2022. Additional information was received on January 9, 12, 13, and May 9, 2023, January 17, 2024, and February 8 and 21, 2024. The application was declared administratively complete and accepted for filing with the Office of the Chief Clerk on February 22, 2024. Published and mailed notice to the water right holders of record in the Trinity River Basin is required pursuant to Title 30 Texas Administrative Code (TAC) §§ 295.152 and 295.153, and notice to the North Texas Groundwater Conservation District is required pursuant to Title 30 TAC § 295.153(b)(3). To use the bed and banks to convey groundwater, mailed notice is required to interjacent water right holders and to the Texas Parks and Wildlife Department and the Public Interest Counsel, pursuant to Title 30 TAC § 295.161(b) and (c).

All fees have been paid and the application is sufficient for filing.

Natalia Ponebshek

_____

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

OCC Mailed Notice Required ☒YES ☐NO

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 22, 2024

Mr. Kurt Kutter **VIA E-MAIL**
Project Manager
Cole and Associates, Inc.
1520 S. Fifth Street, Ste 307
St. Charles, MO 63303-4153

RE: Anna Crossing Partners LP
WRPERM 13834
CN606010601, RN111483970
Application No. 13834 for a Water Use Permit
Texas Water Code §§ 11.121 and 11.042, Requiring Mailed and Published Notice
Unnamed Tributary of Slayter Creek, Trinity River Basin
Collin County

Dear Mr. Kutter:

This acknowledges receipt, on February 8 and 21, 2024, of additional information.

The application was declared administratively complete and filed with the Office of the Chief Clerk on February 22, 2024. Staff will continue processing the application for consideration by the Executive Director.

Please be advised that additional information may be requested during the technical review phase of the application process.

If you have any questions concerning the application, please contact me via email at Natalia.Ponebshek@tceq.texas.gov or by telephone at (512) 239-4641.

Sincerely,

Natalia Ponebshek

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

Natalia Ponebshek

From: Jessica Lutton [redacted] >
Sent: Wednesday, February 21, 2024 11:18 AM
To: Natalia Ponebshek; Kurt Kutter
Cc: Chris Kozlowski; Humberto Galvan; Trent Gay
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 4
Attachments: 2023-02-21 TCEQ Rev 4 Comment Response Letter.pdf

Natalia,

Please see attached the response letter to the administrative comments below. Let me know if there is anything else you need.

Thank you,

Jessica Lutton, PE
Project Manager / *314.327 9255 cell* / [redacted]

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ST. LOUIS
Power House at Union Station
401 S. 18th Street, Suite 200
St. Louis, MO 63103
314.984.9887 *tel*

ST. CHARLES
1520 S. Fifth Street
Suite 307
St. Charles, MO 63303
636.978.7508 *tel*

DALLAS
6175 Main Street
Suite 367
Frisco, TX 75034
972.624.6000 *tel*

PHOENIX
2701 E. Camelback Road
Suite 175
Phoenix, AZ 85016
602.795.4111 *tel*

February 21, 2024

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
Texas Commission on Environmental Quality

RE: Anna Crossing Partners LP
WRPERM 13834
CN606010601, RN111483970
Application No. 13834 for a Water Use Permit
Texas Water Code (TWC) §§ 11.121 and 11.042, Requiring Mailed and Published Notice
Unnamed Tributary of Slayter Creek, Trinity River Basin
Collin County

Dear Natalia,

Please find our responses to the Water Rights Permitting Team comments received on February 5, 2024, for the referenced project. Our responses to the comments are in **bold**:

Natalia, Project Manager:

Before the application can be declared administratively complete, confirm that the coordinates of the diversion and discharge point, located on the perimeter of the reservoir, are Latitude 33.3400082 °N and Longitude 96.5547488 °W.

Response: The above coordinate is correct.

If you have any questions with respect to the referenced design documents or comment responses, please feel free to contact me at 636.978.7508 x 1208 or [redacted].

Sincerely,

Kurt Kutter, P.E.
Engineering Manager
Cole

Natalia Ponebshek

From: Jessica Lutton [redacted] >
Sent: Thursday, February 8, 2024 3:21 PM
To: Natalia Ponebshek; Kurt Kutter
Cc: Chris Kozlowski; Humberto Galvan
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 4
Attachments: Anna_Crossing_Partners_LP_13834_RFI 4_Sent_2.5.2024.pdf; 2023-05-09 TCEQ Submittal.pdf

Natalia,

Thank you for confirming the application. For your previous letter in RFI 4 we previously responded to this comment with the RFI 2 response. Please see the attached letter previously provided. Is this all that is required in order for this application to be considered administratively complete?

Dear Mr. Kutter:

This acknowledges receipt, on January 17, 2024, of additional informa

Before the application can be declared administratively complete, conf
of the diversion and discharge point, located on the perimeter of the r
33.3400082 °N and Longitude 96.5547488 °W.

Please provide the requested information by March 6, 2024, or the app
pursuant to Title 30 Texas Administrative Code § 281.18.

Additional information will be required prior to completion of technic

Natalia, Project Manager:

1. Required – Confirm that the coordinates for the requested discharge a
   Latitude 33.339986 North, Longitude 96.554769 West. Staff notes that
   representing the perimeter of a reservoir should be identified by the po
   centerline of the dam.

   Response: Cole has reviewed the above comment and confirmed
   at the following Coordinates: Latitude 33.3400082° North, Longitu
   updated Water Rights Permitting Exhibit and updated sheet 12 of

Thank you,

Jessica Lutton, PE
Project Manager / *314.327 9255 cell* / [redacted]

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From: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>
Sent: Thursday, February 8, 2024 1:36 PM
To: Jessica Lutton [redacted]>; Kurt Kutter [redacted]>
Cc: Chris Kozlowski <chris.kozlowski@tceq.texas.gov>; Humberto Galvan <Humberto.Galvan@tceq.texas.gov>
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 4

Hello,

I have spoken with our dam safety team. At this time, we are requesting that you fill out TCEQ form-20345.

Thank you,

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
(512) 239-4641

From: Jessica Lutton [redacted]>
Sent: Monday, February 5, 2024 5:14 PM
To: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>; Kurt Kutter [redacted]
Cc: Chris Kozlowski <chris.kozlowski@tceq.texas.gov>; Humberto Galvan <Humberto.Galvan@tceq.texas.gov>
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 4

Natalia,

TCEQ Form 20344 is the existing Dam Condition form. Do we need to fill out sheet TCEQ form-20345 or 20344?

https://www.tceq.texas.gov/downloads/compliance/enforcement/dam-safety/20344.pdf
https://www.tceq.texas.gov/downloads/compliance/enforcement/dam-safety/20345.pdf

Thank you for the updated letter!

Jessica Lutton, PE
Project Manager / *314.327 9255 cell* [redacted]

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Natalia Ponebshek

From: Natalia Ponebshek
Sent: Monday, February 5, 2024 5:06 PM
To: Kurt Kutter; Jessica Lutton
Cc: Chris Kozlowski; Humberto Galvan
Subject: Anna Crossing Partners LP Application 13834 RFI 4
Attachments: Anna_Crossing_Partners_LP_13834_RFI 4_Sent_2.5.2024.pdf

Additional information is required before the referenced application can be declared administratively complete. Please find the attached request for information and provide a response by March 6, 2024.

Thank you,

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
(512) 239-4641

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

February 5, 2024

Mr. Kurt Kutter **VIA E-MAIL**
Project Manager
Cole and Associates, Inc.
1520 S. Fifth Street
St. Charles, MO 63303-4153

RE: Anna Crossing Partners LP
WRPERM 13834
CN606010601, RN111483970
Application No. 13834 for a Water Use Permit
Texas Water Code §§ 11.121 and 11.042, Requiring Mailed and Published Notice
Unnamed Tributary of Slayter Creek, Trinity River Basin
Collin County

Dear Mr. Kutter:

This acknowledges receipt, on January 17, 2024, of additional information.

Before the application can be declared administratively complete, confirm that the coordinates of the diversion and discharge point, located on the perimeter of the reservoir, are Latitude 33.3400082 °N and Longitude 96.5547488 °W.

Please provide the requested information by March 6, 2024, or the application may be returned pursuant to Title 30 Texas Administrative Code § 281.18.

Additional information will be required prior to completion of technical review.

1. Provide a completed *Information Sheet: Proposed New Construction, Modification, Repair, Alteration* (Form TCEQ -20344), *or Removal of a Dam* for the proposed modifications to the dam (Form TCEQ – 20345).

2. Provide a downstream hazard assessment for the proposed dam per *TCEQ Dam Safety Hydrologic and Hydraulic Guidelines for Dams in Texas* (GI-364). The guidelines and forms are located at: https://www.tceq.texas.gov/downloads/compliance/publications/gi/gi-364.pdf

3. Review *Design and Construction Guidelines for Dams in Texas* (RG 473) and submit the items required in Chapter 2 for review and approval. The guidelines and forms are located at: https://www.tceq.texas.gov/downloads/publications/rg/rg-473.pdf

If you have any questions concerning this matter, please contact me via e-mail at Natalia.Ponebshek@tceq.texas.gov or by telephone at (512) 239-4641.

Sincerely,

Natalia Ponebshek

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

Natalia Ponebshek

From: Jessica Lutton [redacted] >
Sent: Wednesday, January 17, 2024 4:43 PM
To: Natalia Ponebshek
Cc: Kurt Kutter; Humberto Galvan; Chris Kozlowski; Lindsey Diekemper
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 3 Ext Letter 20-0085
Attachments: 20-0085 Certified Mail Picture.jpeg; 20-0085 Certified Mail Receipts.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Natalia,

Please see attached proof of the notification letters sent out for the subject property. Let me know what is needed next.

Thank you,

Jessica Lutton, PE
Project Manager / *314.327 9255 cell* / [redacted]

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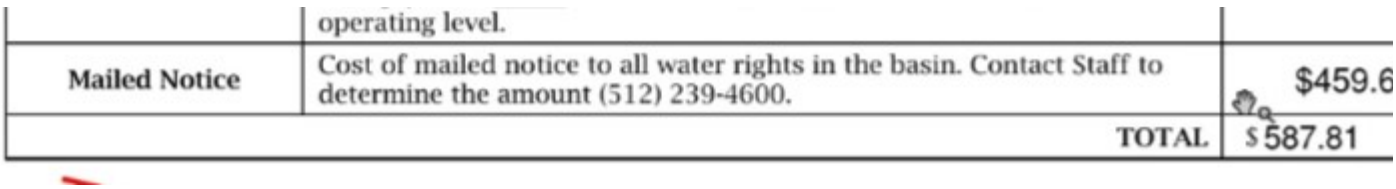
From: Jessica Lutton
Sent: Tuesday, December 26, 2023 1:22 PM
To: Natalia.Ponebshek@tceq.texas.gov
Cc: Kurt Kutter [redacted] >; Humberto Galvan <Humberto.Galvan@tceq.texas.gov>; Chris Kozlowski <chris.kozlowski@tceq.texas.gov>
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 3 Ext Letter 20-0085

Natalia,

I hope you had a good holiday!

Was reviewing and wanted to see if you are available this week for a quick call to make sure we have all the correct information for the notification letter. Also wanted to clarify we have all the correct parties for the notification. Previously we paid a fee for a mailed noticed, so wanted to double check before we send anything out.

Let me know what times work best for you this week.



	operating level.	
Mailed Notice	Cost of mailed notice to all water rights in the basin. Contact Staff to determine the amount (512) 239-4600.	$459.6
	TOTAL	$587.81

Thank you,

Jessica Lutton, PE
Project Manager / *314.327 9255 cell* [redacted]

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From: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>
Sent: Thursday, December 21, 2023 5:09 PM
To: Kurt Kutter [redacted]>
Cc: Humberto Galvan <Humberto.Galvan@tceq.texas.gov>; Chris Kozlowski <chris.kozlowski@tceq.texas.gov>
Subject: Anna Crossing Partners LP Application 13834 RFI 3 Ext Letter

Good afternoon,

Please find the attached extension letter for the request for information for the abovementioned application. A response is due by January 22, 2024.

Thank you,

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
(512) 239-4641

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St. Charles, MO 63303

7019 2970 0000 7046 2839

Ryan Henderson
City of Anna Manager's Office
P.O. Box 776
Anna, TX 75409

U.S. POSTAGE PAID
FCM LETTER
SAINT CHARLES, MO 63301
JAN 17, 2024
$7.21
R2305K133982-11

75409

Retail

RDC 99

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St. Charles, MO 63303

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Judge Chris Hill
Administration Building
2300 Bloomdale Rd.
McKinney, TX 75071

U.S. POSTAGE PAID
FCM LETTER
SAINT CHARLES, MO 63301
JAN 17, 2024
$7.21
R2305K133982-11

75071

Retail

RDC 99

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7019 2970 0000 7046 2822

Administration Building- commissioners Court
2300 Bloomdale Rd
McKinney, TX 75071

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FCM LETTER
SAINT CHARLES, MO 63301
JAN 17, 2024
$7.21
R2305K133982-11

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RDC 99

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City of Anna City Council
P.O. Box 776
Anna, TX 75409

U.S. POSTAGE PAID
FCM LETTER
SAINT CHARLES, MO 63301
JAN 17, 2024
$7.21
R2305K133982-11

75409

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RDC 99

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- ☐ Certified Mail Restricted Delivery $
- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage $0.66

Total Postage and Fees $7.21

Postmark Here

SAINT CHARLES MO 63301 JAN 17 2024 USPS 0801 11

01/17/2024

Sent To

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PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage $0.66

Total Postage and Fees $7.21

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01/17/2024

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- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage $0.66

Total Postage and Fees $7.21

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01/17/2024

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City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

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Extra Services & Fees *(check box, add fee as appropriate)*
- ☐ Return Receipt (hardcopy) $
- ☐ Return Receipt (electronic) $
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- ☐ Adult Signature Required $
- ☐ Adult Signature Restricted Delivery $

Postage $0.66

Total Postage and Fees $7.21

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SAINT CHARLES MO 63301 JAN 17 2024 USPS 0801 11

01/17/2024

Sent To

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City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Texas Commission on Environmental Quality
TELEPHONE MEMO TO THE FIILE

Call to:	Call from: TECQ Staff
Ms. Jessica Lutton, PE	Sarah Henderson
Date:	Applicant:
12/27/2023	Anna Crossing Partners LP; WRPERM No. 13834

Information for File follows:

Regarding Request for Information Letter No. 3, dated November 21, 2023, Ms. Lutton had a question regarding the difference between the public notice fees that were previously paid by the applicant and the fees associated with the notification letter to governing bodies.

I explained that the notification letter to governing bodies was to be mailed certified to each recipient at the Applicants expense and that those associated certified mailing fees were separate from the public notice fees previously paid by the Applicant.

I also reminded Ms. Lutton that the application requires published public notice as well and that those associated fees were to be paid by the applicant to the newspaper at the time of publication.

Signed Sarah E Henderson

Natalia Ponebshek

From: Natalia Ponebshek
Sent: Thursday, December 21, 2023 5:07 PM
To: Kurt Kutter
Cc: Humberto Galvan; Chris Kozlowski
Subject: Anna Crossing Partners LP Application 13834 RFI 3 Ext Letter
Attachments: Anna_Crossing_Partners_LP_13834_RFI_3_Ext_Letter_12-21-23.pdf; Anna_Crossing_Partners_LP_13834_RFI_3.pdf

Good afternoon,

Please find the attached extension letter for the request for information for the abovementioned application. A response is due by January 22, 2024.

Thank you,

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
(512) 239-4641

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 21, 2023

Mr. Kurt Kutter **VIA E-MAIL**
Project Manager
Cole and Associates, Inc.
1520 S. Fifth Street
St. Charles, MO 63303

RE: Anna Crossing Partners LP
WRPERM 13834
CN606010601, RN111483970
Application No. 13834 for a Water Use Permit
Texas Water Code §§ 11.121 and 11.042, Requiring Mailed and Published Notice
Unnamed Tributary of Slayter Creek, Trinity River Basin
Collin County

Dear Mr. Kutter:

This acknowledges receipt, on December 21, 2023, of the applicant's request for an extension of time to respond to the Texas Commission on Environmental Quality's request for information, dated November 21, 2023 (attached).

An extension is granted until January 22, 2024, and after that date the application may be returned pursuant to Title 30 Texas Administrative Code § 281.18.

If you have any questions concerning this matter, please contact Ms. Natalia Ponebshek via e-mail at Natalia.Ponebshek@tceq.texas.gov or by telephone at (512) 239-4641.

Sincerely,

Bert Galvan, Manager
Water Rights Permitting and Availability Section
Water Availability Division

BG/np

Attachment

Natalia Ponebshek

From: Jessica Lutton [redacted] >
Sent: Thursday, December 21, 2023 2:39 PM
To: Natalia Ponebshek; Kurt Kutter
Cc: Jim Roth; Humberto Galvan; Chris Kozlowski
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 2 20-0085

Natalia,

I left a VM yesterday evening and wanted to request an extension on the application. We have been working with Trina and Johnny to get all of the required items for the application in order. Please let me know if you need anything else from us for the extension.

Thank you,

Jessica Lutton, PE
Project Manager / *314.327 9255 cell* / [redacted]

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Natalia Ponebshek

From: Joshua Schauer
Sent: Tuesday, November 21, 2023 1:10 PM
To: [redacted]
Cc: Natalia Ponebshek; Humberto Galvan; Chris Kozlowski
Subject: Anna Crossing Partners LP; 13834 RFI
Attachments: Anna_Crossing_Partners_LP_13834_RFI_3.pdf

Mr. Kutter,

Additional information is required before the referenced application can be declared administratively complete. Please see the attached letter and provide a response by 12/21/2023.

Regards,

Joshua Schauer
Project Manager
Water Rights Permitting Team, Water Availability Division
Texas Commission on Environmental Quality
512-239-1371 *Joshua.Schauer@tceq.texas.gov*

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 21, 2023

Mr. Kurt Kutter **VIA E-MAIL**
Project Manager
Cole and Associates, Inc.
1520 S. Fifth Street
St. Charles, MO 63303

RE: Anna Crossing Partners LP
WRPERM 13834
CN606010601, RN111483970
Application No. 13834 for a Water Use Permit
Texas Water Code §§ 11.121 and 11.042, Requiring Mailed and Published Notice
Unnamed Tributary of Slayter Creek, Trinity River Basin
Collin County

Dear Mr. Kutter:

This acknowledges receipt, on May 9, 2023, of additional information.

Before the application can be declared administratively complete, provide copies of the notice, with certified mail proof of delivery, sent to each governmental body of each county and municipality in which the proposed reservoir, or any part of the reservoir, will be located, in accordance with Title 30 Texas Administrative Code (TAC) § 295.42. Staff recognizes that there were existing dams on the property. However, the revisions to the original application would be considered to be a request to construct a new reservoir. Therefore, notification under 30 TAC § 295.42 is required in order to process the application.

Please provide the requested information by December 21, 2023, or the application may be returned pursuant to Title 30 TAC § 281.18.

Additional information will be required prior to completion of technical review.

1. Provide a completed *Information Sheet: Proposed New Construction, Modification, Repair, Alteration* (Form TCEQ -20344), *or Removal of a Dam* for the proposed modifications to the dam (Form TCEQ – 20345).

2. Provide a downstream hazard assessment for the proposed dam per *TCEQ Dam Safety Hydrologic and Hydraulic Guidelines for Dams in Texas* (GI-364). The guidelines and forms are located at: https://www.tceq.texas.gov/downloads/compliance/publications/gi/gi-364.pdf

3. Review *Design and Construction Guidelines for Dams in Texas* (RG 473) and submit the items required in Chapter 2 for review and approval. The guidelines and forms are located at: https://www.tceq.texas.gov/downloads/publications/rg/rg-473.pdf

If you have any questions concerning this matter, please contact me via e-mail at Natalia.Ponebshek@tceq.texas.gov or by telephone at (512) 239-4641.

Sincerely,

Natalia Ponebshek

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section

Natalia Ponebshek

From: Natalia Ponebshek
Sent: Wednesday, November 1, 2023 4:36 PM
To: Kurt Kutter
Cc: Jim Roth; Jessica Lutton; Humberto Galvan; Chris Kozlowski
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 2 20-0085

Hello,

We are currently working on a request for information for this application. Please let me know if you have any additional questions.

Thank you,

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
(512) 239-4641

From: Kurt Kutter [redacted]>
Sent: Wednesday, November 1, 2023 1:23 PM
To: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>
Cc: Jim Roth [redacted]>; Jessica Lutton [redacted]>
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 2 20-0085

Natalia,

Just wanted to follow up to see where this was in the process of approvals?

Thank you,

Kurt Kutter PE
Manager of Engineering / 314.759.0770 *cell* / [redacted]

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636.978.7508 x1208 / *colestl.com*

Natalia Ponebshek

From: Kurt Kutter [redacted] >
Sent: Tuesday, May 9, 2023 2:52 PM
To: Natalia Ponebshek
Cc: Jim Roth; John Hickman; Jessica Lutton
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 2 20-0085
Attachments: 2023-05-09 TCEQ Submittal.pdf

Natalia,

Please see attached resubmittal with respect to TCEQ comments. Please let me know if you have any questions or require any additional information.

Thank you,

Kurt Kutter PE
Manager of Engineering / 314.759.0770 *cell* / [redacted]

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Power House at Union Station
401 S. 18th Street, Suite 200
St. Louis, MO 63103
314.984.9887 *tel*

ST. CHARLES
1520 S. Fifth Street
Suite 307
St. Charles, MO 63303
636.978.7508 *tel*

DALLAS
6175 Main Street
Suite 367
Frisco, TX 75034
972.624.6000 *tel*

PHOENIX
2701 E. Camelback Road
Suite 175
Phoenix, AZ 85016
602.795.4111 *tel*

May 9, 2023

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
Texas Commission on Environmental Quality

RE: Anna Crossing Partners LP
WRPERM 13834
CN606010601, RN111483970
Application No. 13834 for a Water Use Permit
Texas Water Code (TWC) §§ 11.121 and 11.042, Requiring Mailed and Published Notice
Unnamed Tributary of Slayter Creek, Trinity River Basin
Collin County

Dear Natalia,

Please find our responses to the Water Rights Permitting Team comments received on April 11, 2023, for the referenced project. Our responses to the comments are in **bold**:

Natalia, Project Manager:

1. Required – Confirm that the coordinates for the requested discharge and diversion points are Latitude 33.339986 North, Longitude 96.554769 West. Staff notes that the coordinates for a point representing the perimeter of a reservoir should be identified by the point representing the centerline of the dam.

   Response: Cole has reviewed the above comment and confirmed the centerline of the dam at the following Coordinates: Latitude 33.3400082˚ North, Longitude 96.5547488˚ West. An updated Water Rights Permitting Exhibit and updated sheet 12 of 23 of the application.

Addition Information will be required prior to completion of technical review.

1. Required - Provide a completed Information Sheet: Existing Dam worksheet for each requested reservoir (Form TCEQ – 20344, copy attached).

   Response: Existing dam worksheets were previously provided per your request. Please note that these dams are not proposed to remain and were constructed before 1985 and most likely predate code. These dams are not registered, and no records are available. These appear to have been constructed as stock ponds for agricultural purposes. Nevertheless, we contacted Trina Lancaster with Dam Safety on May 9th, 2023 to ensure additional information is not required and if required, provided per TCEQ's request.

If you have any questions with respect to the referenced design documents or comment responses, please feel free to contact me at 636.978.7508 x 1208 or [redacted]

Sincerely,

Kurt Kutter, P.E.
Engineering Manager
Cole

3. Applicants **shall** give notice by certified mail to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir to be constructed, will be located. (30 TAC § 295.42). Applicant must submit a copy of all the notices and certified mailing cards with this Application. Notices and cards are included? **Y / N**___ Not required since there is an existing dam that is being replaced.

iii. Additional information required for **on-channel** storage:

1. Surface area (in acres) of on-channel reservoir at normal maximum operating level: 1.35 acres.

2. Based on the Application information provided, Staff will calculate the drainage area above the on-channel dam or reservoir. If Applicant wishes to also calculate the drainage area they may do so at their option.
Applicant has calculated the drainage area. **Y** / **N**_____
If yes, the drainage area is 0.28 sq. miles.
(*If assistance is needed, call the Surface Water Availability Team prior to submitting the application, (512) 239-4600).*

2. Structure Location (Instructions, Page. 23)

a. On Watercourse (if on-channel) (USGS name): Unnamed tributary to Slayter Creek

b. Zip Code: 75409

c. In the Granderson Stark Original Survey No._____, Abstract No. 798, Collin County, Texas.

* ***A copy of the deed(s) with the recording information from the county records must be submitted describing the tract(s) that include the structure and all lands to be inundated.***

*****If the Applicant is not currently the sole owner of the land on which the structure is or will be built and sole owner of all lands to be inundated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.***

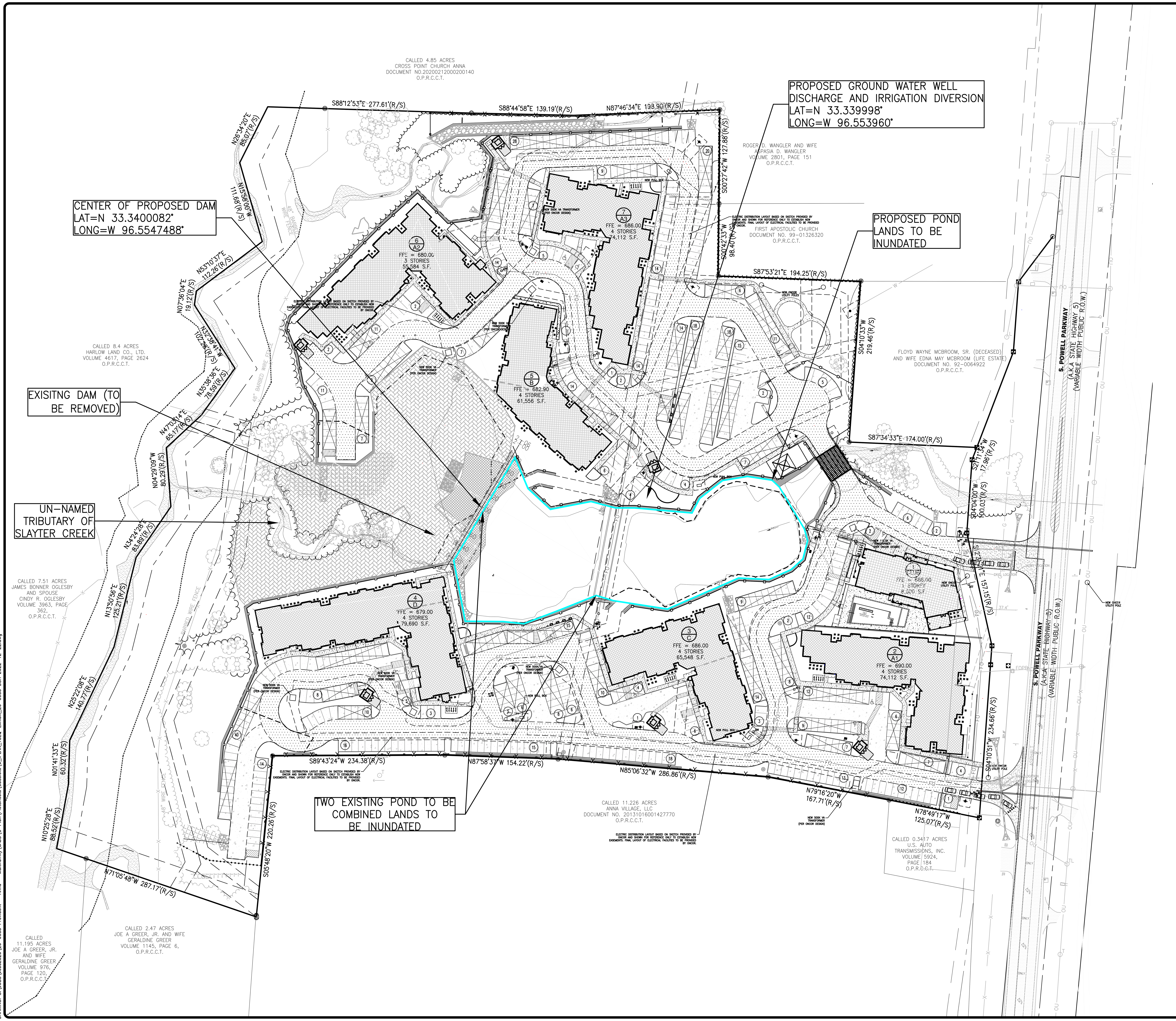
d. A point on the centerline of the dam (on-channel) or anywhere within the impoundment (off-channel) is:

Latitude 33.3400082 °N, Longitude 96.5547488 °W.

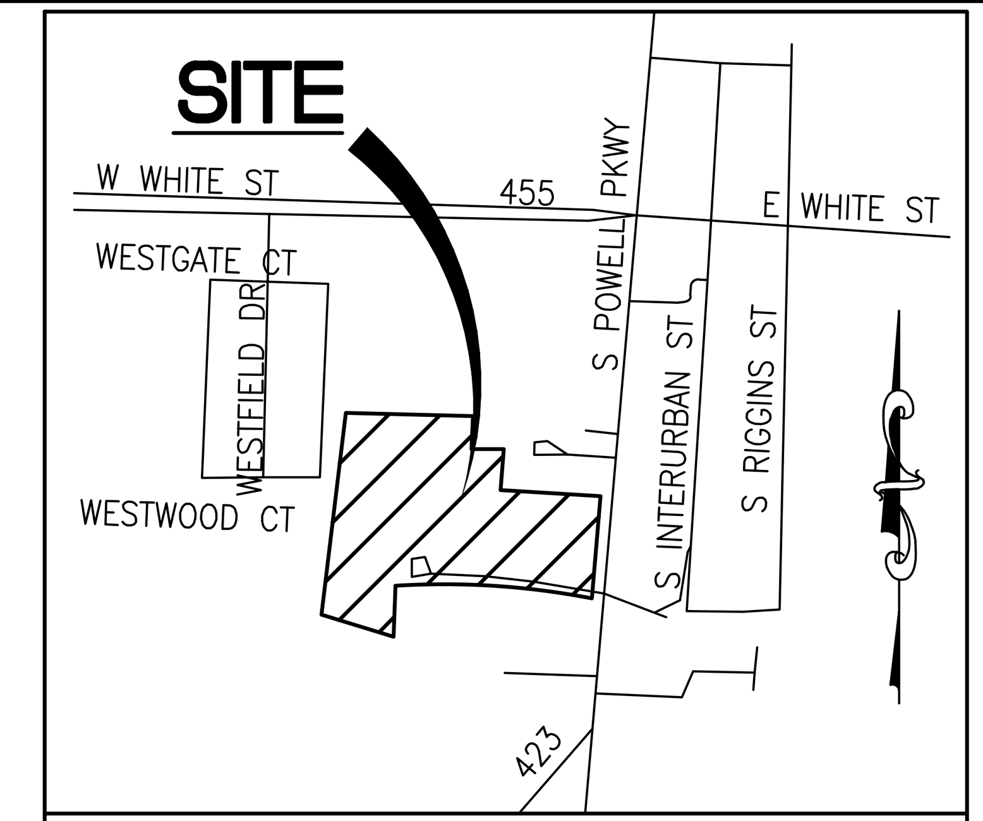
****Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places***

di. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): Civil 3d

dii. Map submitted which clearly identifies the Impoundment, dam (where applicable), and the lands to be inundated. See instructions Page. 15. **Y** / **N**_____



CALLED 4.85 ACRES
CROSS POINT CHURCH ANNA
DOCUMENT NO.20200212000200140
O.P.R.C.C.T.
PROPOSED GROUND WATER WELL DISCHARGE AND IRRIGATION DIVERSION
LAT=N 33.339998°
LONG=W 96.553960°
CENTER OF PROPOSED DAM
LAT=N 33.3400082°
LONG=W 96.5547488°
PROPOSED POND LANDS TO BE INUNDATED
ROGER D. WANGLER AND WIFE
ARPASIA D. WANGLER
VOLUME 2801, PAGE 151
O.P.R.C.C.T.
FIRST APOSTOLIC CHURCH
DOCUMENT NO. 99-01326320
O.P.R.C.C.T.
CALLED 8.4 ACRES
HARLOW LAND CO., LTD.
VOLUME 4617, PAGE 2624
O.P.R.C.C.T.
EXISITNG DAM (TO BE REMOVED)
FLOYD WAYNE MCBROOM, SR. (DECEASED)
AND WIFE EDNA MAY MCBROOM (LIFE ESTATE)
DOCUMENT NO. 92-0064922
O.P.R.C.C.T.
S. POWELL PARKWAY
(A.K.A STATE HIGHWAY 5)
(VARIABLE WIDTH PUBLIC R.O.W.)
UN-NAMED TRIBUTARY OF SLAYTER CREEK
CALLED 7.51 ACRES
JAMES BONNER OGLESBY
AND SPOUSE
CINDY R. OGLESBY
VOLUME 3963, PAGE 362,
O.P.R.C.C.T.
TWO EXISTING POND TO BE COMBINED LANDS TO BE INUNDATED
CALLED 11.226 ACRES
ANNA VILLAGE, LLC
DOCUMENT NO. 20131016001427770
O.P.R.C.C.T.
CALLED 0.3417 ACRES
U.S. AUTO
TRANSMISSIONS, INC.
VOLUME 5924,
PAGE 184
O.P.R.C.C.T.
CALLED 2.47 ACRES
JOE A GREER, JR. AND WIFE
GERALDINE GREER
VOLUME 1145, PAGE 6,
O.P.R.C.C.T.
CALLED 11.195 ACRES
JOE A GREER, JR.
AND WIFE
GERALDINE GREER
VOLUME 976,
PAGE 120,
O.P.R.C.C.T.
S88°12'53"E 277.61'(R/S)
S88°44'58"E 139.19'(R/S)
N87°46'34"E 138.90'(R/S)
S00°27'42"W 127.88'(R/S)
S87°53'21"E 194.25'(R/S)
S04°10'33"W 219.46'(R/S)
S87°34'33"E 174.00'(R/S)
S89°43'24"W 234.38'(R/S)
N87°58'37"W 154.22'(R/S)
N85°06'32"W 286.86'(R/S)
N79°16'20"W 167.71'(R/S)
N78°49'17"W 125.07'(R/S)
N71°05'48"W 287.17'(R/S)
S05°48'20"W 220.26'(R/S)
6 A2 FFE = 680.00 3 STORIES 55,584 S.F.
7 A3 FFE = 686.00 4 STORIES 74,112 S.F.
5 B FFE = 682.90 4 STORIES 61,556 S.F.
4 D FFE = 679.00 4 STORIES 79,690 S.F.
3 C FFE = 686.00 4 STORIES 65,548 S.F.
2 A1 FFE = 690.00 4 STORIES 74,112 S.F.



LOCATION MAP
NOT TO SCALE

SCALE: 1" = 60'

WATER RIGHTS NOTES

POND VOLUME: 91229 CUBIC YARDS, (5.66 AC-FT)

POND SURFACE AREA: 58815 SQ FT OR 1.35 ACRES

DATE	No.	REVISION DESCRIPTION
03/28/2023	20	GRADING AND UTILITY MODIFICATIONS
02/02/2023	18	OWNER REVISIONS
01/10/2023	17	FIRE HYDRANT ADDED
05/17/2022	8	PER UNCOVERED FIELD CONDITIONS
04/14/2022	7	SUBMITTAL CONFORMING SITE PLAN RFS
02/24/2022	6	ACCESSIBLE/OWNER COMMENTS
10/22/2021	5	PER ARCHITECTURAL PLANS

DEVELOPER/OWNER:
PROVIDENT REALTY ADVISORS
10210 N CENTRAL EXPRESSWAY
SUITE 300 DALLAS, TEXAS 75231
PHONE: (972) 385-4112

DATE: 03/28/2023

WATERVIEW APARTMENTS
1220 SOUTH POWELL PARKWAY
ANNA, TEXAS 75409

TCEQ WATER RIGHTS PERMITTING EXHIBIT

cole + DALLAS
Frisco Square
6175 Main Street
Suite 367
Frisco, TX 75034
972.624.6000 tel
www.coletx.com

CIVIL ENGINEERING / SURVEYING / PLANNING / LANDSCAPE ARCHITECTURE
Texas Board of Professional Engineers and Land Surveyors
Registered Engineering Firm, F-16123 Corporate Land Surveying Firm, #10193871

SITE PLAN
CITY PROJECT NO. SP 2021-0009

WATERVIEW APARTMENTS
20.799 ACRES
LOT 1, BLOCK A
GRANDERSON STARK SURVEY, ABSTRACT NO. 798
CITY OF ANNA, COLLIN COUNTY, TEXAS
PREPARATION DATE 00/00/00

OWNER
PROVIDENT REALTY ADVISORS
JOHN HICKMAN
10210 N. CENTRAL EXPRESSWAY,
SUITE 300
DALLAS, TX 75203
972-385-4112

LANDSCAPE ARCHITECT
COLE DESIGN GROUP, INC.
JEREMY DON ROACH
POWER HOUSE AT UNION STATION,
401 S. 18TH STREET, SUITE 200,
ST. LOUIS, MO 63103
314-984-9887

ENGINEER
COLE DESIGN GROUP, INC.
JAMES T. ROTH P.E.
6175 MAIN ST, STE 367
FRISCO, TX 75034
972-624-6000

SURVEYOR
COLE DESIGN GROUP, INC.
DANIEL L. JACKSON
6175 MAIN ST, STE 367
FRISCO, TX 75034
972-624-6000

DESIGN/CALC BY	MAB/LLW/CMK
DRAWN BY	MAB/LLW/CMK
CHECKED BY	KAK/EJM/JTR
DRAWING SCALE	AS SHOWN
DATE	10/03/2022
JOB NUMBER	20-0085-00B
SHEET NUMBER	EX-1

USER: Michael Burnett TAB: EX-1-TCEQ
DATE: May 9, 2023 - 2:48:56 PM

Natalia Ponebshek

From: Kurt Kutter <[redacted]>
Sent: Tuesday, May 9, 2023 2:03 PM
To: Trina Lancaster
Cc: Natalia Ponebshek; Jessica Lutton; John Hickman; Jim Roth
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 2

Thank you!

Kurt Kutter PE
Manager of Engineering / 314.759.0770 *cell* / [redacted]

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From: Trina Lancaster <Trina.Lancaster@tceq.texas.gov>
Sent: Tuesday, May 9, 2023 2:03 PM
To: Kurt Kutter [redacted]>
Cc: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>; Jessica Lutton [redacted]>; John Hickman [redacted]
Subject: Re: Anna Crossing Partners LP Application 13834 RFI 2

Hi Kurt,

I am working in the field today. When I get back to the office tomorrow, I will send you my availability for a call.

Trina Lancaster

Sent from my iPhone

> On May 9, 2023, at 2:00 PM, Kurt Kutter [redacted] wrote:
>
> Trina,
>
> I received your information from Natalia Ponebshek with the Water Rights Permitting Team and I wanted to discuss the existing pond embankments/dams with you. We previously provided the attached document for review. There is allot with these dams that are unknown as they most likely predate current regulations and appear to have been installed for exempt stock ponds. Do you have any availability this week?
>
> Thank you,
>
> **Kurt Kutter** PE
> Manager of Engineering / 314.759.0770 *cell* [redacted]
> <image001.png>

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From: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>
Sent: Wednesday, May 3, 2023 5:00 PM
To: Kurt Kutter [redacted]
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 2

Hello,

I apologize for the delay. For any questions regarding the existing dam worksheet, please contact Ms. Trina Lancaster in dam safety at trina.lancaster@tceq.texas.gov or 512-239-4283. She should be able to better answer your questions. Please let me know if you need further assistance.

Thank you,

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
(512) 239-4641

From: Kurt Kutter [redacted]
Sent: Thursday, April 13, 2023 4:43 PM
To: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>
Subject: RE: Anna Crossing Partners LP Application 13834 RFI 2

Natalia,

Do you have any availability to discuss the existing dam worksheet or can point me in the right direction of the individual that made the comment? There is no information on the existing dams as they most likely predated code.

Thank you,

Kurt Kutter PE
Manager of Engineering / 314.759.0770 *cell* / [redacted]
<image001.png>
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Texas Dam Safety Program, MC 174
Field Operations Support Division, Office of Compliance and Enforcement
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711

INFORMATION SHEET: EXISTING DAM

(PLEASE PRINT OR TYPE)

Reference 30 Texas Administrative Code, Chapter 299, Dams and Reservoirs

SECTION 1: OWNER INFORMATION

Owner's Name _____ Title _____

Organization _____

_____ _____

(Signature of Owner) *(Date)*

Owner's Address _____

City _____ State _____ Zip Code _____

Phone Number ( ) _____ Emergency Contact Phone ( ) _____

Fax Number ( ) _____ E-mail _____

Owner Code *(Please check one)*: ❑ Federal (F) ❑ Local Government (L) ❑ Utility (U) ❑ Private (P) ❑ State (S)
❑ Other (O) please specify: _____

Year Built _____ Year Modified _____

Dam and Reservoir Use *(Please check one)*:

❑ Augmentation	❑ Diversion	❑ Domestic	❑ Erosion Control		
❑ Evaporation	❑ Flood Control	❑ Fire Control	❑ Fish	❑ Hydroelectric	❑ Industrial
❑ Irrigation	❑ Mining	❑ Municipal	❑ Pollution Control	❑ Recreation	❑ Stock Water
❑ Settling Ponds	❑ Tailings	❑ Waste Disposal	❑ Other, please specify: _____		

Engineering Firm _____

Project Engineer _____ Texas P.E. License Number _____

Engineering Firm Address _____

City _____ State _____ Zip Code _____

Phone ( ) _____ Fax ( ) _____

E-mail _____

SECTION 2: GENERAL INFORMATION

Name of Dam _____

Other Name(s) of Dam _____

Reservoir Name _____

Location _____ Latitude _____ Longitude _____

County _____ Stream Name _____

River Basin _____ Topographic Map No. _____

Distance & Direction from Nearest City or Town _____

Last Inspection Date _____ Inspected by (name of company or agency) _____

TX Number _____ Water Rights Number _____

Date of Emergency Action Plan (EAP), if one exists _____

Describe the current operating condition of dam _____

_____

If you have questions on how to fill out this form or about the Dam Safety Program, please contact us at 512-239-5195.
Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

SECTION 3: INFORMATION ON DAM

Classification

Size Classification: ❑ Large ❑ Medium ❑ Small

Hazard Classification: ❑ High ❑ Significant ❑ Low

Number of People at Risk _____ Study Year _____

Type of Dam: ❑ Concrete ❑ Gravity ❑ Earthfill ❑ Rockfill ❑ Masonry ❑ Other (specify) _____

Dam Structure (dimensions to nearest tenth of foot, volume to nearest acre-foot or cubic yard, areas to nearest acre):

Spillway Height _____ ft *(natural surface of ground to bottom of emergency spillway at longitudinal centerline)*

Embankment Height _____ ft *(natural surface of ground to crest of dam at centerline)*

Structural Height _____ ft *(bottom of cutoff trench to crest of dam at centerline)*

Length of Dam _____ ft Crest Width _____ ft

Normal Pool Elevation _____ ft-MSL Principal Spillway Elevation _____ ft-MSL

Emergency Spillway Elevation _____ ft-MSL Top of Dam Elevation _____ ft-MSL

Embankment Volume _____ cu yd

Maximum Impoundment Capacity _____ ac-ft *(at top of dam)*

Normal Reservoir Capacity _____ ac-ft *(at normal or conservation pool)*

Reservoir Surface Area _____ acres *(at normal or conservation pool)*

Outlet

Outlet Diameter: _____ ❑ in ❑ ft *(check one)*

Type: _____

Principal Spillway

Type: ❑ Natural ❑ Riprap ❑ Concrete ❑ CMP ❑ RCP ❑ Other

Width (Diam.): _____ ft Capacity: _____ cfs

Emergency Spillway

Type: ❑ Natural ❑ Riprap ❑ Concrete ❑ CMP ❑ RCP ❑ Other

Width (Diam.): _____ ft Capacity: _____ cfs

Total Spillway Capacity: _____ cfs (crest of the dam)

SECTION 4: HYDROLOGIC INFORMATION

Required Hydrologic Criteria (% PMF) _____ % PMF Passing _____

PMF Study Year _____

Drainage Area: _____ acres, or _____ sq mi

Curve Number (AMC III condition) _____

Time of Concentration _____ hr

Peak Discharge _____ cfs

Peak Stage _____ ft-MSL

Storm Duration Causing Peak Stage _____ hr

Texas Dam Safety Program, MC 174
Field Operations Support Division, Office of Compliance and Enforcement
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711

INFORMATION SHEET: EXISTING DAM

(PLEASE PRINT OR TYPE)

Reference 30 Texas Administrative Code, Chapter 299, Dams and Reservoirs

SECTION 1: OWNER INFORMATION

Owner's Name _____ Title _____

Organization _____

_____ _____

(Signature of Owner) *(Date)*

Owner's Address _____

City _____ State _____ Zip Code _____

Phone Number ( ) _____ Emergency Contact Phone ( ) _____

Fax Number ( ) _____ E-mail _____

Owner Code *(Please check one)*: ❑ Federal (F) ❑ Local Government (L) ❑ Utility (U) ❑ Private (P) ❑ State (S)
❑ Other (O) please specify: _____

Year Built _____ Year Modified _____

Dam and Reservoir Use *(Please check one)*:

❑ Augmentation	❑ Diversion	❑ Domestic	❑ Erosion Control		
❑ Evaporation	❑ Flood Control	❑ Fire Control	❑ Fish	❑ Hydroelectric	❑ Industrial
❑ Irrigation	❑ Mining	❑ Municipal	❑ Pollution Control	❑ Recreation	❑ Stock Water
❑ Settling Ponds	❑ Tailings	❑ Waste Disposal	❑ Other, please specify: _____		

Engineering Firm _____

Project Engineer _____ Texas P.E. License Number _____

Engineering Firm Address _____

City _____ State _____ Zip Code _____

Phone ( ) _____ Fax ( ) _____

E-mail _____

SECTION 2: GENERAL INFORMATION

Name of Dam _____

Other Name(s) of Dam _____

Reservoir Name _____

Location _____ Latitude _____ Longitude _____

County _____ Stream Name _____

River Basin _____ Topographic Map No. _____

Distance & Direction from Nearest City or Town _____

Last Inspection Date _____ Inspected by (name of company or agency) _____

TX Number _____ Water Rights Number _____

Date of Emergency Action Plan (EAP), if one exists _____

Describe the current operating condition of dam _____

_____

If you have questions on how to fill out this form or about the Dam Safety Program, please contact us at 512-239-5195.
Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

SECTION 3: INFORMATION ON DAM

Classification

Size Classification: ❑ Large ❑ Medium ❑ Small

Hazard Classification: ❑ High ❑ Significant ❑ Low

Number of People at Risk _____ Study Year _____

Type of Dam: ❑ Concrete ❑ Gravity ❑ Earthfill ❑ Rockfill ❑ Masonry ❑ Other (specify) _____

Dam Structure (dimensions to nearest tenth of foot, volume to nearest acre-foot or cubic yard, areas to nearest acre):

Spillway Height _____ ft *(natural surface of ground to bottom of emergency spillway at longitudinal centerline)*

Embankment Height _____ ft *(natural surface of ground to crest of dam at centerline)*

Structural Height _____ ft *(bottom of cutoff trench to crest of dam at centerline)*

Length of Dam _____ ft Crest Width _____ ft

Normal Pool Elevation _____ ft-MSL Principal Spillway Elevation _____ ft-MSL

Emergency Spillway Elevation _____ ft-MSL Top of Dam Elevation _____ ft-MSL

Embankment Volume _____ cu yd

Maximum Impoundment Capacity _____ ac-ft *(at top of dam)*

Normal Reservoir Capacity _____ ac-ft *(at normal or conservation pool)*

Reservoir Surface Area _____ acres *(at normal or conservation pool)*

Outlet

Outlet Diameter: _____ ❑ in ❑ ft *(check one)*

Type: _____

Principal Spillway

Type: ❑ Natural ❑ Riprap ❑ Concrete ❑ CMP ❑ RCP ❑ Other

Width (Diam.): _____ ft Capacity: _____ cfs

Emergency Spillway

Type: ❑ Natural ❑ Riprap ❑ Concrete ❑ CMP ❑ RCP ❑ Other

Width (Diam.): _____ ft Capacity: _____ cfs

Total Spillway Capacity: _____ cfs (crest of the dam)

SECTION 4: HYDROLOGIC INFORMATION

Required Hydrologic Criteria (% PMF) _____ % PMF Passing _____

PMF Study Year _____

Drainage Area: _____ acres, or _____ sq mi

Curve Number (AMC III condition) _____

Time of Concentration _____ hr

Peak Discharge _____ cfs

Peak Stage _____ ft-MSL

Storm Duration Causing Peak Stage _____ hr

Natalia Ponebshek

From: Natalia Ponebshek
Sent: Tuesday, April 11, 2023 4:09 PM
To: Kurt Kutter
Subject: Anna Crossing Partners LP Application 13834 RFI 2
Attachments: Anna_Crossing_Partners_LP_13834_RFI 2_ Sent_4.11.2023.pdf

Please find the attached request for information for the abovementioned application. A response is due by May 11, 2023.

Thank you,

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
(512) 239-4641

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

April 11, 2023

Mr. Kurt Kutter **VIA E-MAIL**
Project Manager
Cole and Associates, Inc.
1250 S. Fifth Street
St. Charles, MO 63303

RE: Anna Crossing Partners LP
WRPERM 13834
CN606010601, RN111483970
Application No. 13834 for a Water Use Permit
Texas Water Code (TWC) §§ 11.121 and 11.042, Requiring Mailed and Published Notice
Unnamed Tributary of Slayter Creek, Trinity River Basin
Collin County

Dear Mr. Kutter:

This acknowledges receipt, on January 9 and January 13, 2023, of additional information.

Before the application can be declared administratively complete, confirm that the coordinates for the requested discharge and diversion points are Latitude 33.339986° North, Longitude 96.554769° West. Staff notes that the coordinates for a point representing the perimeter of a reservoir should be identified by the point representing the centerline of the dam.

Please provide the requested information by May 11, 2023, or the application may be returned pursuant to 30 Texas Administrative Code § 281.18.

Additional information will be required prior to completion of technical review.

Provide a completed *Information Sheet: Existing Dam* for each requested reservoir (Form TCEQ – 20344, copy attached).

If you have any questions concerning this matter, please contact me via e-mail at Natalia.Ponebshek@tceq.texas.gov or by telephone at (512) 239-4641.

Sincerely,

Natalia Ponebshek

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
Texas Commission on Environmental Quality

Attachment

Texas Dam Safety Program, MC 174
Field Operations Support Division, Office of Compliance and Enforcement
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711

INFORMATION SHEET: EXISTING DAM

(PLEASE PRINT OR TYPE)

Reference 30 Texas Administrative Code, Chapter 299, Dams and Reservoirs

SECTION 1: OWNER INFORMATION

Owner's Name _____ Title _____

Organization _____

_____ _____

(Signature of Owner) *(Date)*

Owner's Address _____

City _____ State _____ Zip Code _____

Phone Number ( ) _____ Emergency Contact Phone ( ) _____

Fax Number ( ) _____ E-mail _____

Owner Code *(Please check one)*: ❑ Federal (F) ❑ Local Government (L) ❑ Utility (U) ❑ Private (P) ❑ State (S)
❑ Other (O) please specify: _____

Year Built _____ Year Modified _____

Dam and Reservoir Use *(Please check one)*: ❑ Augmentation ❑ Diversion ❑ Domestic ❑ Erosion Control
❑ Evaporation ❑ Flood Control ❑ Fire Control ❑ Fish ❑ Hydroelectric ❑ Industrial
❑ Irrigation ❑ Mining ❑ Municipal ❑ Pollution Control ❑ Recreation ❑ Stock Water
❑ Settling Ponds ❑ Tailings ❑ Waste Disposal ❑ Other, please specify: _____

Engineering Firm _____

Project Engineer _____ Texas P.E. License Number _____

Engineering Firm Address _____

City _____ State _____ Zip Code _____

Phone ( ) _____ Fax ( ) _____

E-mail _____

SECTION 2: GENERAL INFORMATION

Name of Dam _____

Other Name(s) of Dam _____

Reservoir Name _____

Location _____ Latitude _____ Longitude _____

County _____ Stream Name _____

River Basin _____ Topographic Map No. _____

Distance & Direction from Nearest City or Town _____

Last Inspection Date _____ Inspected by (name of company or agency) _____

TX Number _____ Water Rights Number _____

Date of Emergency Action Plan (EAP), if one exists _____

Describe the current operating condition of dam _____

_____

If you have questions on how to fill out this form or about the Dam Safety Program, please contact us at 512-239-5195. *Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.*

SECTION 3: INFORMATION ON DAM

Classification

Size Classification: ❑ Large ❑ Medium ❑ Small

Hazard Classification: ❑ High ❑ Significant ❑ Low

Number of People at Risk _____ Study Year _____

Type of Dam: ❑ Concrete ❑ Gravity ❑ Earthfill ❑ Rockfill ❑ Masonry ❑ Other (specify) _____

Dam Structure (dimensions to nearest tenth of foot, volume to nearest acre-foot or cubic yard, areas to nearest acre):

Spillway Height _____ ft *(natural surface of ground to bottom of emergency spillway at longitudinal centerline)*

Embankment Height _____ ft *(natural surface of ground to crest of dam at centerline)*

Structural Height _____ ft *(bottom of cutoff trench to crest of dam at centerline)*

Length of Dam _____ ft Crest Width _____ ft

Normal Pool Elevation _____ ft-MSL Principal Spillway Elevation _____ ft-MSL

Emergency Spillway Elevation _____ ft-MSL Top of Dam Elevation _____ ft-MSL

Embankment Volume _____ cu yd

Maximum Impoundment Capacity _____ ac-ft *(at top of dam)*

Normal Reservoir Capacity _____ ac-ft *(at normal or conservation pool)*

Reservoir Surface Area _____ acres *(at normal or conservation pool)*

Outlet

Outlet Diameter: _____ ❑ in ❑ ft *(check one)*

Type: _____

Principal Spillway

Type: ❑ Natural ❑ Riprap ❑ Concrete ❑ CMP ❑ RCP ❑ Other

Width (Diam.): _____ ft Capacity: _____ cfs

Emergency Spillway

Type: ❑ Natural ❑ Riprap ❑ Concrete ❑ CMP ❑ RCP ❑ Other

Width (Diam.): _____ ft Capacity: _____ cfs

Total Spillway Capacity: _____ cfs (crest of the dam)

SECTION 4: HYDROLOGIC INFORMATION

Required Hydrologic Criteria (% PMF) _____ % PMF Passing _____

PMF Study Year _____

Drainage Area: _____ acres, or _____ sq mi

Curve Number (AMC III condition) _____

Time of Concentration _____ hr

Peak Discharge _____ cfs

Peak Stage _____ ft-MSL

Storm Duration Causing Peak Stage _____ hr

Natalia Ponebshek

From: Kurt Kutter [redacted]
Sent: Friday, January 13, 2023 3:44 PM
To: Daniel Rosas; Natalia Ponebshek
Cc: John Hickman
Subject: RE: RFI Anna Crossing Partners LP Application 13834 20-0085
Attachments: Waterview Application & Permission Doc Received

Natalia,

Please see attached correspondence regarding the Groundwater Conservation Permit.

Thank you,

Kurt Kutter PE
Manager of Engineering / 314.759.0770 *cell* / [redacted]

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Natalia Ponebshek

From: Steve Peralez <[redacted]>
Sent: Thursday, January 12, 2023 10:52 AM
To: John Hickman; Will Clark; Jennie Furstenberg; Kurt Kutter
Subject: Waterview Application & Permission Doc Received

Please see the email correspondence below for evidence of permit application.

Thank you,

Steve Peralez
Provident General Contractors
10210 N. Central Expressway
Suite 212
Dallas, Texas 75231
Mobile: 214.566.9358
Office: 972.972.7517
Email:[redacted]

PROVIDENT
GENERAL CONTRACTORS

From: Dale Chepulis [redacted]
Sent: Thursday, January 12, 2023 10:48 AM
To: Steve Peralez [redacted]>
Subject: Fwd: Application & Permission Doc Received

Here is proof of submission

Sent from my Verizon, Samsung Galaxy smartphone
Get Outlook for Android

From: Stacy Patrick [redacted]
Sent: Thursday, January 12, 2023 10:28:03 AM
To: Dale Chepulis [redacted]
Subject: Application & Permission Doc Received

Good morning Dale,

The application and permission document for Village Communities Development Corp has been received and submitted. As soon as the District's technical lead approves the location of the well and the deposits are received the District will send out a Notice to Proceed.

Let me know if you need anything else.

Thank you ,
Stacy Patrick

Registration Coordinator
North Texas GCD
903-786-3501
855-426-4433
[redacted]

Natalia Ponebshek

From: Daniel Rosas [redacted] >
Sent: Monday, January 9, 2023 9:07 AM
To: Natalia Ponebshek
Cc: Kurt Kutter
Subject: RE: RFI Anna Crossing Partners LP Application 13834 20-0085
Attachments: 3B_Provident Anna- Accounting Plan.xlsx; 2022-12-28 Comment Response Letter.pdf; 2022-12-28 TCEQ Submittal Changes.pdf

Good Morning Natalia,

In the attachments are the PDF for the TCEQ Submittals, Accounting Plan Excel Sheet, and a Comment Response Letter. The submittals only include the PDF's that changed from the previous submittals.

If you have any question on the PDF pages, feel free to contact me.

Thank you,

Dan Rosas
Project Engineer II / 636.284.4112 cell / [redacted]

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972.624.6000 *tel*

PHOENIX
2701 E. Camelback Road
Suite 175
Phoenix, AZ 85016
602.795.4111 *tel*

December 28, 2022

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
Texas Commission on Environmental Quality

RE: Anna Crossing Partners LP
WRPERM 13834
CN606010601, RN111483970
Application No. 13834 for a Water Use Permit
Texas Water Code (TWC) §§ 11.121 and 11.042, Requiring Mailed and Published Notice
Unnamed Tributary of Slayter Creek, Trinity River Basin
Collin County

Dear Natalia,

The original application specified modifying and rebuilding the dam for Pond A in a new location. The existing dam for Pond B, located between Pond A and B, would remain. Please note the construction documents have been revised due to a design and constructability preference to remove the existing dam between Pond A and B, thus providing one combined pond. Please note that the application has been altered to reflect this change. Please find our responses to the Water Rights Permitting Team comments received on November 28, 2022, for the referenced project. Our responses to the comments are in **bold**:

Natalia, Project Manager:

1. Required – Confirm whether the applicant is requesting to proceed under TWC § 11.143. Staff notes that this request was made for Pond B on Worksheet 2.0, item 1.d.2.a.; however, the same section was left blank for Pond A

   Response: Per the application submitted on April xx, 2022, the dam for Pond A was proposed to be reconstructed at a new location. There were no changes proposed for the location or elevation of the dam for Pond B. It was under the assumption that Pond A was going to be changed and constructed while Pond B would remain. Per the revised application and above narrative, the application has been revised to reflect one combined pond.

2. Required – Confirm that the application requests to impound 4.65 acre-feet of water in the reservoirs, to divert 8.77 acre-feet of water, and to compensate for evaporation from the reservoirs and any diversions with groundwater from the Woodbine aquifer.

   Response: Please note this application has been revised to reflect one combined pond. The application requests to impound 5.66 acre-feet of water in the reservoir, divert 8.77 acre-feet of water for irrigation purposes, and will compensate for evaporation with groundwater pumping water from the Woodbine aquifer.

3. Required – Provide a completed Worksheet 3.0 Diversion Point Information Sheet for each requested diversion point. Staff notes that the application requests two diversion points, located on the perimeter of each reservoir; however, only one Worksheet 3.0 is included with the submitted application.

   Response: The original application requested one diversion point located either on Pond A or B. The revised application reflects a single diversion for irrigation and discharge for the ground water well as located on the TCEQ Water Rights Permitting Exhibit attached later in this application.

4. Required – Confirm evaporative losses are 9.92 acre-feet per year. Staff notes, item b on Worksheet 4.0 indicates losses to be 0.

   Response: No changes were made to Worksheet 4.0 item b. There will be no carriage losses from the proposed well as it pumps directly from the aquifer into the pond. The 9.43 acre-feet per year are the evaporative losses for the impounded water on channel.

5. Required - Provide evidence that an application for a groundwater well permit has been submitted to the North Texas Groundwater Conservation District or evidence that a permit is not required.

   Response: This item will be provided by the Developer.

6. Required – Provide a completed Worksheet 4.1 Discharge Location Information Sheet for each requested discharge point. Staff notes that the application requests two discharge points, located on the perimeter of each reservoir; however, only one Worksheet 4.1 is included with the submitted application.

   Response: The Worksheet 4.1 Discharge Location Information Sheet has been revised to reflect the combined pond and updated Discharge Location Map has been included. The groundwater well discharge location has been added to the map and Lat/Long updated.

7. Required - Confirm the ZIP code for all diversion and discharge points and both reservoirs.

   Response: The ZIP code has been updated to reflect the correct ZIP code of 75409.

Addition Information will be required prior to completion of technical review.

1. Required - Provide a completed Information Sheet: Existing Dam worksheet for each requested reservoir (copy attached).

   Response: Existing dam worksheets have been provided per your request. Please note that these dams are not proposed to remain and were constructed before 1985 and most likely predated code. These dams are not registered, and no records are available. These appear to have been constructed as stock ponds for agricultural purposes.

2. Required - Provide an electronic copy of the accounting plan described in the application.

   Response: An electronic copy of the accounting plan has been provided per your request.

If you have any questions with respect to the referenced design documents or comment responses, please feel free to contact me at 636.978.7508 x 1208 or [redacted]

Sincerely,

Kurt Kutter, P.E.
Engineering Manager
Cole

WORKSHEET 1.0
Quantity, Purpose and Place of Use

1. New Authorizations (Instructions, Page. 16)

Submit the following information regarding quantity, purpose and place of use for requests for new or additional appropriations of State Water or Bed and Banks authorizations:

Quantity (acre-feet) (*Include losses for Bed and Banks*)	**State Water Source (River Basin) or Alternate Source** *each *alternate source* (*and new appropriation based on return flows of others*) *also requires completion of Worksheet 4.0*	**Purpose(s) of Use**	**Place(s) of Use** **requests to move state water out of basin also require completion of Worksheet 1.1 Interbasin Transfer*
8.77	Groundwater from Proposed Well	Irrigation	Existing pond
9.43	Groundwater from Proposed Well	Recreation (evap)	Existing pond

Evaporation quantity based on record evaporation provided by the Army Corps of Engineers for Lavon Lake (see worksheet 7). Irrigation was assumed 3 days per week (1/3" per day) 10 hours per day. Irrigation calculations were calculated via the AgriLIFE extension and provided by James Pole Irrigation Consultants. See attached.

18.20 Total amount of water (in acre-feet) to be used annually (*include losses for Bed and Banks applications*)

If the Purpose of Use is Agricultural/Irrigation for any amount of water, provide:

a. Location Information Regarding the Lands to be Irrigated

i) Applicant proposes to irrigate a total of 3.44 acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of 20.8 acres in Collin County, TX.

ii) Location of land to be irrigated: In the Granderson Stark Original Survey No. _____, Abstract No. 798.

A copy of the deed(s) or other acceptable instrument describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds.
If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.

Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

WORKSHEET 2.0
Impoundment/Dam Information

This worksheet **is required** for any impoundment, reservoir and/or dam. Submit an additional Worksheet 2.0 for each impoundment or reservoir requested in this application.

If there is more than one structure, the numbering/naming of structures should be consistent throughout the application and on any supplemental documents (e.g. maps).

1. Storage Information (Instructions, Page. 21)

a. Official USGS name of reservoir, if applicable:_____

b. Provide amount of water (in acre-feet) impounded by structure at normal maximum operating level: 5.66 ac-ft.

c. The impoundment is on-channel x or off-channel_____(mark one)

i. Applicant has verified on-channel or off-channel determination by contacting Surface Water Availability Team at (512) 239-4600? **Y** / **N**

ii. If on-channel, will the structure have the ability to pass all State Water inflows that Applicant does not have authorization to impound? **Y** / **N**

d. Is the impoundment structure already constructed? **Y** / **N**

New dam will replace existing dam. Date of construction of existing dam is unknown and dam was assumed to be an exempt structure for agriculture. Proposed Dam have an increase in impoundment.

i. For already constructed **on-channel** structures:

1. Date of Construction:_____

2. Was it constructed to be an exempt structure under TWC § 11.142? **Y** / **N**
   a. If Yes, is Applicant requesting to proceed under TWC § 11.143? **Y** / **N**
   b. If No, has the structure been issued a notice of violation by TCEQ? **Y** / **N**

3. Is it a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure? **Y** / **N**
   a. If yes, provide the Site No._____and watershed project name_____;
   b. Authorization to close "ports" in the service spillway requested? **Y** / **N**

ii. For **any** proposed new structures or modifications to structures:

1. Applicant **must** contact TCEQ Dam Safety Section at (512) 239-0326, *prior to submitting an Application.* Applicant has contacted the TCEQ Dam Safety Section regarding the submission requirements of 30 TAC, Ch. 299? **Y** / **N**
   Provide the date and the name of the Staff Person Warren Samuelson 6/7/21

2. As a result of Applicant's consultation with the TCEQ Dam Safety Section, TCEQ has confirmed that:
   a. No additional dam safety documents required with the Application. **Y** / **N**
   b. Plans (with engineer's seal) for the structure required. **Y** / **N**
   c. Engineer's signed and sealed hazard classification required. **Y** / **N**
   d. Engineer's statement that structure complies with 30 TAC, Ch. 299 Rules required. **Y** / **N**

3. Applicants **shall** give notice by certified mail to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir to be constructed, will be located. (30 TAC § 295.42). Applicant must submit a copy of all the notices and certified mailing cards with this Application. Notices and cards are included? **Y / N**___ Not required since there is an existing dam that is being replaced.

iii. Additional information required for **on-channel** storage:

1. Surface area (in acres) of on-channel reservoir at normal maximum operating level: 1.35 acres.

2. Based on the Application information provided, Staff will calculate the drainage area above the on-channel dam or reservoir. If Applicant wishes to also calculate the drainage area they may do so at their option.
Applicant has calculated the drainage area. **Y** / **N**_____
If yes, the drainage area is 0.28 sq. miles.
(*If assistance is needed, call the Surface Water Availability Team prior to submitting the application, (512) 239-4600).*

2. Structure Location (Instructions, Page. 23)

a. On Watercourse (if on-channel) (USGS name): Unnamed tributary to Slayter Creek

b. Zip Code: 75409

c. In the Granderson Stark Original Survey No._____, Abstract No. 798, Collin County, Texas.

* ***A copy of the deed(s) with the recording information from the county records must be submitted describing the tract(s) that include the structure and all lands to be inundated.***

*****If the Applicant is not currently the sole owner of the land on which the structure is or will be built and sole owner of all lands to be inundated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.***

d. A point on the centerline of the dam (on-channel) or anywhere within the impoundment (off-channel) is:

Latitude 33.339986 °N, Longitude 96.554769 °W.

****Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places***

di. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): Civil 3d

dii. Map submitted which clearly identifies the Impoundment, dam (where applicable), and the lands to be inundated. See instructions Page. 15. **Y** / **N**_____

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. 1 Diversion Point No.
2. ____Upstream Limit of Diversion Reach No.
3. ____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point**_____cfs (cubic feet per second) or 60 gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y** / **N**_____
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N**_____

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
✓	Directly from stream	
	From an on-channel reservoir	Proposed
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y** / **N**_____

If yes, the drainage area is 0.28 acres sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4600, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Unnamed tributary to Slayter Creek

b. Zip Code: 75409

c. Location of point: In the Granderson Stark Original Survey No. _____, Abstract No. 798, Collins County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure.

For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:
Latitude 33.339998 °N, Longitude 96.553960 °W.
Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): Civil 3d

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.
map is included

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.
diversion from any point on perimeter- shown on map

WORKSHEET 4.1
DISCHARGE POINT INFORMATION

This worksheet is required for **each** discharge point. Submit one Worksheet 4.1 for each discharge point. If there is more than one discharge point, the numbering of the points should be consistent throughout the application and on any supplemental documents (e.g. maps). **Instructions, Page 27.**

For water discharged at this location provide:

a. The amount of water that will be discharged at this point is 18.20 acre-feet per year. The discharged amount should include the amount needed for use and to compensate for any losses.

b. Water will be discharged at this point at a maximum rate of _____ cfs or 40 gpm.

c. Name of Watercourse as shown on Official USGS maps: Unnamed tributary of Slayter Creek

d. Zip Code 75409

f. Location of point: In the Granderson Clark Original Survey No. _____, Abstract No. 798, Collin County, Texas.

g. Point is at:

Latitude 33.339999 °N, Longitude 96.554025 °W.

****Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal***

Point is at center of dam for Pond B, actual discharge location to be located anywhere around the perimeter of the pond

h. Indicate the method used to calculate the discharge point location (examples: Handheld GPS Device, GIS, Mapping Program): Civil 3D

Map submitted must clearly identify each discharge point. See instructions Page. 15.

WORKSHEET 7.0
ACCOUNTING PLAN INFORMATION WORKSHEET

The following information provides guidance on when an Accounting Plan may be required for certain applications and if so, what information should be provided. An accounting plan can either be very simple such as keeping records of gage flows, discharges, and diversions; or, more complex depending on the requests in the application. Contact the Surface Water Availability Team at 512-239-4600 for information about accounting plan requirements, if any, for your application. **Instructions, Page 34.**

1. Is Accounting Plan Required

Accounting Plans are generally required:

- For applications that request authorization to divert large amounts of water from a single point where multiple diversion rates, priority dates, and water rights can also divert from that point;
- For applications for new major water supply reservoirs;
- For applications that amend a water right where an accounting plan is already required, if the amendment would require changes to the accounting plan;
- For applications with complex environmental flow requirements;
- For applications with an alternate source of water where the water is conveyed and diverted; and
- For reuse applications.

2. Accounting Plan Requirements

a. A **text file** that includes:
   1. an introduction explaining the water rights and what they authorize;
   2. an explanation of the fields in the accounting plan spreadsheet including how they are calculated and the source of the data;
   3. for accounting plans that include multiple priority dates and authorizations, a section that discusses how water is accounted for by priority date and which water is subject to a priority call by whom; and
   4. Should provide a summary of all sources of water.

b. A **spreadsheet** that includes:
   1. Basic daily data such as diversions, deliveries, compliance with any instream flow requirements, return flows discharged and diverted and reservoir content;
   2. Method for accounting for inflows if needed;
   3. Reporting of all water use from all authorizations, both existing and proposed;
   4. An accounting for all sources of water;
   5. An accounting of water by priority date;
   6. For bed and banks applications, the accounting plan must track the discharged water from the point of delivery to the final point of diversion;
   7. Accounting for conveyance losses;
   8. Evaporation losses if the water will be stored in or transported through a reservoir. Include changes in evaporation losses and a method for measuring reservoir content resulting from the discharge of additional water into the reservoir;
   9. An accounting for spills of other water added to the reservoir; and
   10. Calculation of the amount of drawdown resulting from diversion by junior rights or diversions of other water discharged into and then stored in the reservoir.

ANNA CROSSING PARTNERS, LP ACCOUNTING PLAN
FOR APPLICATION NO. XXXXXXX
_____, Year 2023

INTRODUCTION

This memorandum describes the accounting plan submitted for Application No. XXXXXX. The application authorizes the storage of supplemental water in one amenity pond with a total storage capacity of 5.66 acre-feet and a total surface area of 1.35 acres.

The applicant will not be diverting any state waters and will provide supplemental water from private groundwater produced by the applicant to offset evaporation and irrigation losses.

The accounting plan assumes that storage in the reservoirs is constant. Change in storage is minimal and can be ignored. Thus, this accounting plan is premised on a fundamental mass balance equation of water inflows and outflows from the impoundment:

Groundwater = Evaporation Losses + Irrigation

The applicant will install meters on the discharges of groundwater and the irrigation system and will read those meters daily. The accounting plan will use the 75th percentile evaporation amount for the closest lake with Army Corps of Engineers documented evaporation, which is Lavon Lake. Data is available from October 1981 through October 2021.

ACCOUNTING PLAN SUMMARY

The accounting plan has been created as an Excel spreadsheet which includes cells in which the applicant will insert irrigation and well meter readings. The spreadsheet includes other cells that contain the default evaporation rate. The accounting plan covers one calendar year, and a new Excel document will need to be created for each year.

There are 16 tabs in the accounting plan spreadsheet:

1. ACOE Lavon Lake Data- monthly total evaporation rates based on Army Corps of Engineers Data for Lavon Lake and calculation of 75th percentile
2. Evaporation Summary- conversion to average daily evaporation rates per month

3-14. Monthly tabs- allow applicant to enter daily irrigation well meter data and calculates supplemental discharges needed

15. ANNUAL Tab – summarizes groundwater discharge volume, evaporative losses, and supplemental groundwater discharges.
16. Evap Data Source- shows the ACOE data source website, including map showing nearest lake

ACOE LAVON LAKE DATA TAB (<u>There are no adjustments to be made to this tab by the applicant)</u>

This worksheet contains data for the Army Corps of Engineers website and a calculation for the 75th percentile. The worksheet includes thirteen columns, all of which have been populated with data. The applicant will not enter any data. There are no adjustments to be made to this tab by the applicant.

Column A Year. Lists each year with available data

Column B-M Months. Lists the months

Row 55 75th percentile Row 55 determines the 75th percentile evaporation amount for each month over the 20 years of available data

EVAP SUMMARY TAB (There are no adjustments to be made to this tab by the applicant)

This worksheet uses the 75th percentile data calculated in row 55 on the previous sheet and dives by the days in each month to determine a daily evaporation rate for each month. Daily rates are shown on column D. There are no adjustments to be made to this tab by the applicant.

MONTHLY TABS (Updated monthly by applicant)

The accounting plan includes 12 monthly spreadsheets, labeled JAN through DEC. Each worksheet contains nine columns (A through I), but the number of rows varies between 28 and 31 based on the number of days in the month. The applicant will enter daily the groundwater volume in gallons into Column B "Groundwater Volume (gal). All other cells will be filled automatically based on those entries.

Column A Day. Lists the day of the month. No data entry is required by the applicant.

Column B Groundwater Volume (gal). Cells for the applicant to enter daily meter readings from the water well meter. Water well meter records used in gallons. Applicant to read the meter and enter the amount of water (in gallons) discharged into pond daily.

Column C Irrigation Volume (gal). Cells for the applicant to enter daily meter readings from the irrigation meter. Irrigation meter records used in gallons. Applicant to read the meter and enter the amount of water (in gallons) pulled from the pond daily.

Column D Evaporation Rate (in). This column displays the 75th percentile daily pan rate from Column D, cells D6-D17 "Daily Evap Rate (in)" of the EVAP SUMMARY Worksheet. No data entry is required by the applicant.

Column E Evaporation (ac-ft). Calculated Default Evaporation obtained by converting the Default Evaporation Rate in Column C to feet and multiplying it by the total surface area of the lake in cell C6 (Column C "Default Evaporation Rate (in) divided by 12, to convert to feet, multiplied by C6 Lake Surface Area (acres). No data entry is required by the applicant.

Column F — Evaporation (gal). Calculated Default Evaporation in gallons obtained by converting the Column D Default Evaporation (ac-ft) multiplied by 325851 gallons per acre-foot. No data entry is required by the applicant.

Column G — Total Diversions (Evaporation plus Irrigation) (gal). The total diversions are determined by adding the calculated evaporation (Column D) to the Applicant entered irrigation volume (Column C). No data entry is required by the applicant.

Column H — Calculated Net Change (gal). The calculated net change is determined by subtracting the groundwater inflow to the lake (Column B) from the Total Diversions (Column G). If the calculated net change is negative, then there is more inflow into the impoundment than can be held and this amount flows downstream. the positive calculated net inflow from Column F. If the "Calculated Net Inflow" is less than zero, this value is equal to zero. The depleted net inflow represents the amount needed to be made up through supplemental groundwater pumping. (Column G "Total Diversions (gal)" minus Column B "Groundwater Volume (gal).") No data entry is required by the applicant.

Column I — Net Water Lost (gal). The net water lost is the positive calculated value from Column H. If the "Calculated Net Change" is less than zero, this value is equal to zero. The net water lost represents the amount needed to be made up through supplemental groundwater pumping. (The “greater than zero” value of Column H "Calculated Net Change (gal).") No data entry is required by the applicant.

Column J — Supplemental Groundwater Required (gal). The supplemental groundwater required (gal) (Column J) is the sum of the net water lost (gal) (Column I). The applicant should review these numbers biweekly in December, January, and February (i.e., winter months) when evapotranspiration rates are typically low. For the remainder of the year (i.e., spring and summer months), the applicant should review these numbers on a weekly basis when evapotranspiration rates typically are higher. The monthly tab is set up with equations to sum these amounts at the appropriate times. For winter months, these values are shown in cells J22, J36 and either J38 or J39 depending on the number of days in a month. For the summer months, these values are shown in cells J14, J22, J29, J36 and either J38 or J39 depending on the number of days in a month.

Applicant should review these numbers biweekly/weekly to determine if an adequate amount of groundwater is being discharged. If a positive number is present, then applicant needs to increase the volume of groundwater discharged on future releases that month to reduce the values to zero. Discharges of supplemental groundwater volumes should be recorded in Column B, and a note with the amount would be included in Comments (Column L). Applicant to review supplemental groundwater number. Record a supplemental groundwater discharges and enter the amount of water (in gallons) discharged into the pond in Column B. Supplemental groundwater discharges to be combined with normal groundwater volume discharges.

Column K — Daily Required Increase in Groundwater Release (gal). This converts the Supplemental Groundwater Release into an average daily increase needed and will allow the applicant to increase the daily groundwater rate the rest of the month and avoid future supplemental releases. Applicant to review daily supplemental groundwater number weekly/biweekly and increase future daily groundwater discharges by that amount.

Column L — Comments. This Column allows the applicant to enter any relevant notes and observations. Applicant to enter comments daily.

ANNUAL TAB (Updated automatically based on data entered in monthly tabs, no data entry is required by the applicant.)

The ANNUAL tab calculates a mass balance for the impoundment covered by Application 13619. All figures on the ANNUAL tab are populated from the monthly tabs or calculated in the ANNUAL tab, so the applicant will not enter any data into the ANNUAL tab. The exception is in cell B6, where the applicant enters the current year.

The ANNUAL tab contains columns (A through G) and 14 rows. The columns in the table are as follows:

Column A — Month. Labels for each month in a separate row. Corresponds to Monthly Tabs (JAN through DEC) within the spreadsheet.

Column B — Groundwater Volume (ac-ft). Contains the monthly Groundwater Volume in acre-feet (This number comes from cell B40, which is the calculated total groundwater volume on each monthly spreadsheet, converted in each spreadsheet to acre-feet. The annual total will populate automatically once the Monthly Tabs are completed.)

Column C — Irrigation Volume (ac-ft). Contains the monthly irrigation from the respective monthly worksheet (This number comes from cell C40, which is the calculated total irrigation volume on each monthly spreadsheet, converted in each spreadsheet to acre-feet. The annual total will populate automatically once the Monthly Tabs are completed.)

Column D — Evaporation (ac-ft). Contains the monthly evaporation imported from the respective monthly worksheet (This number comes from cell D40, which is the calculated total evaporation volume on each monthly spreadsheet, converted in each spreadsheet to acre-feet. The annual total will populate automatically once the Monthly Tabs are completed.)

Column E — Calculated Net Change (ac-ft). Contains the monthly calculated net changes in acre-feet. This number comes from cell H40, which is a conversion of the sum of column H "Calculated net change" to acre-feet in each monthly tab. (This number will populate automatically once the Monthly Tabs are completed).

Column F — Net Water Lost (ac-ft). Contains the monthly depleted net inflows in acre-feet. This number comes from cell I40, which is a conversion of the sum of column I "Net water Lost" to acre-feet in each monthly tab. This number will populate automatically once the Monthly Tabs are completed).

Column G — Supplemental Groundwater Required (ac-ft). Contains the monthly supplemental groundwater required in acre-feet. This number comes from cell J40, which is a conversion of the sum of column J "Supplemental Groundwater Required" to acre-feet in each monthly tab This number will populate automatically once the Monthly Tabs are completed).

DATA SOURCE For refence only. Provides the source website for the evaporation data.

ACOE LAVON LAKE DATA

Calculated Results
Applicant data entry
Calculation
Data from ACOE
Other Project Specific Data
References Other Sheet
Not used

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1981										5.37	3.49	2.99
1982	2.75	2.48	4.81	5.67	6.90	7.98	10.01	10.52	8.12	5.54	3.53	3.00
1983	2.19	2.54	5.18	6.45	8.18	7.54	10.12	9.52	8.48	6.28	3.88	2.86
1984	1.92	4.39	5.38	6.44	8.78	8.26	9.97	10.59	9.38	4.31	4.18	2.87
1985	1.94	2.45	5.48	7.11	8.82	10.73	11.27	12.29	9.41	4.92	3.26	2.46
1986	3.80	3.79	6.82	6.28	7.52	8.43	12.60	10.67	8.03	4.88	2.82	1.92
1987	2.78	3.37	5.87	9.00	7.98	8.21	11.02	13.01	8.41	6.43	4.18	2.45
1988	2.93	3.63	7.39	8.81	10.12	10.72	11.36	12.20	8.20	5.89	5.41	3.55
1989	3.32	2.74	5.78	8.22	8.73	8.53	8.78	8.58	8.28	7.13	4.85	2.89
1990	4.48	4.85	4.89	6.27	7.73	10.95	11.33	10.28	7.38	5.72	4.36	2.62
1991	2.18	4.82	7.64	7.08	7.02	7.81	10.56	8.48	5.59	5.94	3.26	2.39
1992	2.12	3.45	5.92	6.13	6.70	7.77	9.96	7.83	7.08	6.06	3.38	2.13
1993	1.98	2.87	4.63	6.74	7.10	7.77	12.24	11.57	7.37	4.70	3.33	2.94
1994	2.75	3.48	4.75	6.50	5.89	8.91	9.35	8.67	6.68	4.79	3.03	2.13
1995	2.34	3.33	4.02	5.60	5.88	8.84	9.28	9.27	6.76	6.85	4.14	2.69
1996	2.96	4.44	5.92	7.53	9.20	9.28	10.24	7.95	5.75	5.60	2.88	2.77
1997	2.19	2.76	4.85	5.72	7.10	8.77	9.66	9.26	8.08	5.23	3.23	2.57
1998	2.49	3.63	5.51	8.09	8.38	12.40	14.25	11.15	7.59	5.29	2.72	2.37
1999	2.79	4.17	4.72	6.79	6.55	8.15	10.55	11.35	8.10	6.15	4.49	3.21
2000	3.83	4.52	5.16	6.13	8.33	7.47	10.63	12.31	9.16	5.64	2.45	2.70
2001	2.54	3.34	3.90	5.40	7.74	9.50	11.35	9.83	5.81	5.58	3.65	2.87
2002	2.75	3.88	4.44	5.67	7.39	8.65	8.29	9.33	7.52	3.97	3.73	2.76
2003	2.57	2.59	4.41	7.53	7.87	7.94	10.47	9.39	5.86	5.26	4.25	3.57
2004	2.60	3.14	5.17	6.26	8.02	7.29	9.29	8.84	7.48	4.90	2.86	3.13
2005	2.95	2.96	5.42	7.12	7.57	9.76	9.66	9.95	9.36	6.16	5.14	3.92
2006	5.53	3.83	6.49	7.76	9.68	10.18	12.94	12.37	7.69	6.63	4.09	3.50
2007	2.99	3.32	5.15	5.67	6.34	7.09	6.92	9.07	6.54	5.62	4.21	2.84
2008	3.12	4.29	5.57	7.33	8.39	10.05	11.09	8.67	6.52	6.36	5.16	3.35
2009	3.70	4.57	6.14	7.17	5.83	10.11	10.44	9.62	5.82	3.95	3.55	2.46
2010	2.60	2.41	5.44	7.01	9.46	9.80	10.00	11.53	8.17	6.28	4.35	4.45
2011	3.48	2.77	6.67	8.98	8.90	12.18	11.14	13.11	9.70	6.97	5.13	2.95

2012	3.83	4.14	5.31	6.16	9.19	9.67	10.94	10.17	8.43	5.40	4.77	3.88
2013	3.17	4.27	6.32	6.34	7.84	9.69	9.66	7.75	8.46	3.10	3.63	2.21
2014	4.07	3.39	4.89	6.56	8.09	8.62	9.30	8.94	6.99	5.73	3.86	2.37
2015	2.85	2.49	3.95	6.47	5.87	9.74	10.22	10.11	8.07	5.98	3.29	4.13
2016	3.12	4.71	5.70	6.42	6.49	8.22	10.44	9.30	8.19	6.43	4.89	3.34
2017	3.48	4.68	6.33	7.04	7.68	8.75	10.01	8.84	7.66	5.90	4.66	3.23
2018	2.67	3.46	5.91	5.63	9.15	10.16	11.04	9.76	7.62	5.54	3.50	3.29
2019	2.84	3.62	5.00	6.50	8.02	8.56	9.75	10.26	8.77	5.94	4.14	3.65
2020	3.73	4.50	6.88	7.43	8.79	9.72	10.50	9.90	7.14	5.64	4.60	3.60
2021	3.51	4.20	6.51	7.31	8.70	9.09	10.17	9.71	8.12	3.05		
75th Percentile:	3.48	4.28	5.98	7.32	8.74	9.77	11.05	10.79	8.31	6.15	4.39	3.34

EVAP SUMMARY

Month	Days in Month	TWDB 75th Percentile Monthly Rate (in)	Daily Evap Rate (in)
January	31	3.48	0.11
February	28	4.28	0.15
March	31	5.98	0.19
April	30	7.32	0.24
May	31	8.74	0.28
June	30	9.77	0.33
July	31	11.05	0.36
August	31	10.79	0.35
September	30	8.31	0.28
October	31	6.15	0.20
November	30	4.39	0.15
December	31	3.34	0.11

Water Accounting Record
January - Monthly Tab

Lake Surface Area (acres) 1.35

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.11	0.01	4032	4032	4032	4032			
2			0.11	0.01	4032	4032	4032	4032			
3			0.11	0.01	4032	4032	4032	4032			
4			0.11	0.01	4032	4032	4032	4032			
5			0.11	0.01	4032	4032	4032	4032			
6			0.11	0.01	4032	4032	4032	4032			
7			0.11	0.01	4032	4032	4032	4032			
8			0.11	0.01	4032	4032	4032	4032			
9			0.11	0.01	4032	4032	4032	4032			
10			0.11	0.01	4032	4032	4032	4032			
11			0.11	0.01	4032	4032	4032	4032			
12			0.11	0.01	4032	4032	4032	4032			
13			0.11	0.01	4032	4032	4032	4032			
14			0.11	0.01	4032	4032	4032	4032	56453.68575	4032.406125	
15			0.11	0.01	4032	4032	4032	4032			
16			0.11	0.01	4032	4032	4032	4032			
17			0.11	0.01	4032	4032	4032	4032			
18			0.11	0.01	4032	4032	4032	4032			
19			0.11	0.01	4032	4032	4032	4032			
20			0.11	0.01	4032	4032	4032	4032			
21			0.11	0.01	4032	4032	4032	4032			
22			0.11	0.01	4032	4032	4032	4032	56453.68575	4032.406125	
23			0.11	0.01	4032	4032	4032	4032			
24			0.11	0.01	4032	4032	4032	4032			
25			0.11	0.01	4032	4032	4032	4032			
26			0.11	0.01	4032	4032	4032	4032			
27			0.11	0.01	4032	4032	4032	4032			
28			0.11	0.01	4032	4032	4032	4032			
29			0.11	0.01	4032	4032	4032	4032			
30			0.11	0.01	4032	4032	4032	4032			
31			0.11	0.01	4032	4032	4032	4032			
32			0.11	0.01	4032	4032	4032	4032			
33			0.11	0.01	4032	4032	4032	4032			
34			0.11	0.01	4032	4032	4032	4032			
35			0.11	0.01	4032	4032	4032	4032			
36			0.11	0.01	4032	4032	4032	4032	56453.68575	4032.406125	
37			0.11	0.01	4032	4032	4032	4032			
38			0.11	0.01	4032	4032	4032	4032			
39			0.11	0.01	4032	4032	4032	4032	12097.21838	4032.406125	
Total (ac-ft)	0.00	0.00	0.38	0.38	0.38	0.38	0.38	0.38	0.38		
Total (gal)	0	0	125,005	125,005	125,005	125,005	125,005	125,005	125,005		

Water Accounting Record
February - Monthly Tab

Signed: _____
Date: _____

Lake Surface Area (acres) 1.35

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.15	0.02	5499	5499	5499	5499			
2			0.15	0.02	5499	5499	5499	5499			
3			0.15	0.02	5499	5499	5499	5499			
4			0.15	0.02	5499	5499	5499	5499			
5			0.15	0.02	5499	5499	5499	5499			
6			0.15	0.02	5499	5499	5499	5499			
7			0.15	0.02	5499	5499	5499	5499			
8			0.15	0.02	5499	5499	5499	5499			
9			0.15	0.02	5499	5499	5499	5499			
10			0.15	0.02	5499	5499	5499	5499			
11			0.15	0.02	5499	5499	5499	5499			
12			0.15	0.02	5499	5499	5499	5499			
13			0.15	0.02	5499	5499	5499	5499			
14			0.15	0.02	5499	5499	5499	5499	76982.29875	5498.735625	
15			0.15	0.02	5499	5499	5499	5499			
16			0.15	0.02	5499	5499	5499	5499			
17			0.15	0.02	5499	5499	5499	5499			
18			0.15	0.02	5499	5499	5499	5499			
19			0.15	0.02	5499	5499	5499	5499			
20			0.15	0.02	5499	5499	5499	5499			
21			0.15	0.02	5499	5499	5499	5499			
22			0.15	0.02	5499	5499	5499	5499	76982.29875	5498.735625	
23			0.15	0.02	5499	5499	5499	5499			
24			0.15	0.02	5499	5499	5499	5499			
25			0.15	0.02	5499	5499	5499	5499			
26			0.15	0.02	5499	5499	5499	5499			
27			0.15	0.02	5499	5499	5499	5499			
28			0.15	0.02	5499	5499	5499	5499			
29			0.15	0.02	5499	5499	5499	5499			
30			0.15	0.02	5499	5499	5499	5499			
31			0.15	0.02	5499	5499	5499	5499			
32			0.15	0.02	5499	5499	5499	5499			
33			0.15	0.02	5499	5499	5499	5499			
34			0.15	0.02	5499	5499	5499	5499			
35			0.15	0.02	5499	5499	5499	5499			
36			0.15	0.02	5499	5499	5499	5499	76982.29875	5498.735625	
37											
38											
39											
Total (ac-ft)	0.00	0.00	0.47	0.47	0.47	0.47	0.47	0.47	0.47		
Total (gal)	0	0	153,965	153,965	153,965	153,965	153,965	153,965	153,965		

Water Accounting Record
March - Monthly Tab

Lake Surface Area (acres) 1.35

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.19	0.02	6965	6965	6965	6965			
2			0.19	0.02	6965	6965	6965	6965			
3			0.19	0.02	6965	6965	6965	6965			
4			0.19	0.02	6965	6965	6965	6965			
5			0.19	0.02	6965	6965	6965	6965			
6			0.19	0.02	6965	6965	6965	6965			
7			0.19	0.02	6965	6965	6965	6965	48755.45588	6965.065125	
8			0.19	0.02	6965	6965	6965	6965			
9			0.19	0.02	6965	6965	6965	6965			
10			0.19	0.02	6965	6965	6965	6965			
11			0.19	0.02	6965	6965	6965	6965			
12			0.19	0.02	6965	6965	6965	6965			
13			0.19	0.02	6965	6965	6965	6965			
14			0.19	0.02	6965	6965	6965	6965	48755.45588	6965.065125	
15			0.19	0.02	6965	6965	6965	6965			
16			0.19	0.02	6965	6965	6965	6965			
17			0.19	0.02	6965	6965	6965	6965			
18			0.19	0.02	6965	6965	6965	6965			
19			0.19	0.02	6965	6965	6965	6965			
20			0.19	0.02	6965	6965	6965	6965			
21			0.19	0.02	6965	6965	6965	6965			
22			0.19	0.02	6965	6965	6965	6965	48755.45588	6965.065125	
23			0.19	0.02	6965	6965	6965	6965			
24			0.19	0.02	6965	6965	6965	6965			
25			0.19	0.02	6965	6965	6965	6965			
26			0.19	0.02	6965	6965	6965	6965			
27			0.19	0.02	6965	6965	6965	6965			
28			0.19	0.02	6965	6965	6965	6965			
29			0.19	0.02	6965	6965	6965	6965	48755.45588	6965.065125	
30			0.19	0.02	6965	6965	6965	6965			
31			0.19	0.02	6965	6965	6965	6965			
32			0.19	0.02	6965	6965	6965	6965			
33			0.19	0.02	6965	6965	6965	6965			
34			0.19	0.02	6965	6965	6965	6965			
35			0.19	0.02	6965	6965	6965	6965			
36			0.19	0.02	6965	6965	6965	6965	48755.45588	6965.065125	
37			0.19	0.02	6965	6965	6965	6965			
38			0.19	0.02	6965	6965	6965	6965			
39			0.19	0.02	6965	6965	6965	6965	20895.19538	6965.065125	
Total (ac-ft)	0.00	0.00	0.66	0.66	0.66	0.66	0.66	0.66	0.66		
Total (gal)	0	0	215,917	215,917	215,917	215,917	215,917	215,917	215,917		

Water Accounting Record
April - Monthly Tab

Lake Surface Area (acres): 1.35

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.24	0.03	8798	8798	8798	8798			
2			0.24	0.03	8798	8798	8798	8798			
3			0.24	0.03	8798	8798	8798	8798			
4			0.24	0.03	8798	8798	8798	8798			
5			0.24	0.03	8798	8798	8798	8798			
6			0.24	0.03	8798	8798	8798	8798			
7			0.24	0.03	8798	8798	8798	8798	61585.839	8797.977	
8			0.24	0.03	8798	8798	8798	8798			
9			0.24	0.03	8798	8798	8798	8798			
10			0.24	0.03	8798	8798	8798	8798			
11			0.24	0.03	8798	8798	8798	8798			
12			0.24	0.03	8798	8798	8798	8798			
13			0.24	0.03	8798	8798	8798	8798			
14			0.24	0.03	8798	8798	8798	8798	61585.839	8797.977	
15			0.24	0.03	8798	8798	8798	8798			
16			0.24	0.03	8798	8798	8798	8798			
17			0.24	0.03	8798	8798	8798	8798			
18			0.24	0.03	8798	8798	8798	8798			
19			0.24	0.03	8798	8798	8798	8798			
20			0.24	0.03	8798	8798	8798	8798			
21			0.24	0.03	8798	8798	8798	8798	61585.839	8797.977	
22			0.24	0.03	8798	8798	8798	8798			
23			0.24	0.03	8798	8798	8798	8798			
24			0.24	0.03	8798	8798	8798	8798			
25			0.24	0.03	8798	8798	8798	8798			
26			0.24	0.03	8798	8798	8798	8798			
27			0.24	0.03	8798	8798	8798	8798			
28			0.24	0.03	8798	8798	8798	8798	61585.839	8797.977	
29			0.24	0.03	8798	8798	8798	8798			
30			0.24	0.03	8798	8798	8798	8798			
31			0.24	0.03	8798	8798	8798	8798			
32			0.24	0.03	8798	8798	8798	8798			
33			0.24	0.03	8798	8798	8798	8798			
34			0.24	0.03	8798	8798	8798	8798			
35			0.24	0.03	8798	8798	8798	8798	61585.839	8797.977	
36			0.24	0.03	8798	8798	8798	8798			
37			0.24	0.03	8798	8798	8798	8798	17595.954	8797.977	
38			0.24	0.03	8798	8798	8798	8798			
39											
Total (ac-ft)	0.00	0.00	0.81	0.81	0.81	0.81	0.81	0.81	0.81		
Total (gal)	0	0	263,939	263,939	263,939	263,939	263,939	263,939	263,939		

Water Accounting Record
May - Monthly Tab

Lake Surface Area (acres): 1.35

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.28	0.03	10264	10264	10264	10264			
2			0.28	0.03	10264	10264	10264	10264			
3			0.28	0.03	10264	10264	10264	10264			
4			0.28	0.03	10264	10264	10264	10264			
5			0.28	0.03	10264	10264	10264	10264			
6			0.28	0.03	10264	10264	10264	10264			
7			0.28	0.03	10264	10264	10264	10264	71850.1455	10264.3065	
8			0.28	0.03	10264	10264	10264	10264			
9			0.28	0.03	10264	10264	10264	10264			
10			0.28	0.03	10264	10264	10264	10264			
11			0.28	0.03	10264	10264	10264	10264			
12			0.28	0.03	10264	10264	10264	10264			
13			0.28	0.03	10264	10264	10264	10264			
14			0.28	0.03	10264	10264	10264	10264			
15			0.28	0.03	10264	10264	10264	10264			
16			0.28	0.03	10264	10264	10264	10264			
17			0.28	0.03	10264	10264	10264	10264			
18			0.28	0.03	10264	10264	10264	10264			
19			0.28	0.03	10264	10264	10264	10264			
20			0.28	0.03	10264	10264	10264	10264			
21			0.28	0.03	10264	10264	10264	10264			
22			0.28	0.03	10264	10264	10264	10264	71850.1455	10264.3065	
23			0.28	0.03	10264	10264	10264	10264			
24			0.28	0.03	10264	10264	10264	10264			
25			0.28	0.03	10264	10264	10264	10264			
26			0.28	0.03	10264	10264	10264	10264			
27			0.28	0.03	10264	10264	10264	10264			
28			0.28	0.03	10264	10264	10264	10264			
29			0.28	0.03	10264	10264	10264	10264	71850.1455	10264.3065	
30			0.28	0.03	10264	10264	10264	10264			
31			0.28	0.03	10264	10264	10264	10264			
32			0.28	0.03	10264	10264	10264	10264			
33			0.28	0.03	10264	10264	10264	10264			
34			0.28	0.03	10264	10264	10264	10264			
35			0.28	0.03	10264	10264	10264	10264			
36			0.28	0.03	10264	10264	10264	10264	71850.1455	10264.3065	
37			0.28	0.03	10264	10264	10264	10264			
38			0.28	0.03	10264	10264	10264	10264			
39			0.28	0.03	10264	10264	10264	10264	30792.9195	10264.3065	
40	0.00	0.00	0.98	0.98	0.98	0.98	0.98	0.98	0.98		
41	0	0	318,194	318,194	318,194	318,194	318,194	318,194	318,194		

Total (ac-ft)
Total (gal)

Water Accounting Record
June - Monthly Tab

Signed: _____
Date: _____

Lake Surface Area (acres) 1.35

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.33	0.04	12097	12097	12097	12097			
2			0.33	0.04	12097	12097	12097	12097			
3			0.33	0.04	12097	12097	12097	12097			
4			0.33	0.04	12097	12097	12097	12097			
5			0.33	0.04	12097	12097	12097	12097			
6			0.33	0.04	12097	12097	12097	12097			
7			0.33	0.04	12097	12097	12097	12097	84680.52863	12097.21838	
8			0.33	0.04	12097	12097	12097	12097			
9			0.33	0.04	12097	12097	12097	12097			
10			0.33	0.04	12097	12097	12097	12097			
11			0.33	0.04	12097	12097	12097	12097			
12			0.33	0.04	12097	12097	12097	12097			
13			0.33	0.04	12097	12097	12097	12097			
14			0.33	0.04	12097	12097	12097	12097	84680.52863	12097.21838	
15			0.33	0.04	12097	12097	12097	12097			
16			0.33	0.04	12097	12097	12097	12097			
17			0.33	0.04	12097	12097	12097	12097			
18			0.33	0.04	12097	12097	12097	12097			
19			0.33	0.04	12097	12097	12097	12097			
20			0.33	0.04	12097	12097	12097	12097			
21			0.33	0.04	12097	12097	12097	12097			
22			0.33	0.04	12097	12097	12097	12097	84680.52863	12097.21838	
23			0.33	0.04	12097	12097	12097	12097			
24			0.33	0.04	12097	12097	12097	12097			
25			0.33	0.04	12097	12097	12097	12097			
26			0.33	0.04	12097	12097	12097	12097			
27			0.33	0.04	12097	12097	12097	12097			
28			0.33	0.04	12097	12097	12097	12097			
29			0.33	0.04	12097	12097	12097	12097	84680.52863	12097.21838	
30			0.33	0.04	12097	12097	12097	12097			
31			0.33	0.04	12097	12097	12097	12097			
32			0.33	0.04	12097	12097	12097	12097			
33			0.33	0.04	12097	12097	12097	12097			
34			0.33	0.04	12097	12097	12097	12097			
35			0.33	0.04	12097	12097	12097	12097			
36			0.33	0.04	12097	12097	12097	12097	84680.52863	12097.21838	
37			0.33	0.04	12097	12097	12097	12097			
38			0.33	0.04	12097	12097	12097	12097	24194.43675	12097.21838	
39											
Total (ac-ft)	0.00		1.11	1.11	1.11	1.11	1.11	1.11	1.11		
Total (gal)	0		362,917	362,917	362,917	362,917	362,917	362,917	362,917		

Water Accounting Record
July - Monthly Tab

Lake Surface Area (acres) 1.35

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.36	0.04	13197	13197	13197	13197			
2			0.36	0.04	13197	13197	13197	13197			
3			0.36	0.04	13197	13197	13197	13197			
4			0.36	0.04	13197	13197	13197	13197			
5			0.36	0.04	13197	13197	13197	13197			
6			0.36	0.04	13197	13197	13197	13197			
7			0.36	0.04	13197	13197	13197	13197	92378.7585	13196.9655	
8			0.36	0.04	13197	13197	13197	13197			
9			0.36	0.04	13197	13197	13197	13197			
10			0.36	0.04	13197	13197	13197	13197			
11			0.36	0.04	13197	13197	13197	13197			
12			0.36	0.04	13197	13197	13197	13197			
13			0.36	0.04	13197	13197	13197	13197			
14			0.36	0.04	13197	13197	13197	13197	92378.7585	13196.9655	
15			0.36	0.04	13197	13197	13197	13197			
16			0.36	0.04	13197	13197	13197	13197			
17			0.36	0.04	13197	13197	13197	13197			
18			0.36	0.04	13197	13197	13197	13197			
19			0.36	0.04	13197	13197	13197	13197			
20			0.36	0.04	13197	13197	13197	13197			
21			0.36	0.04	13197	13197	13197	13197	92378.7585	13196.9655	
22			0.36	0.04	13197	13197	13197	13197			
23			0.36	0.04	13197	13197	13197	13197			
24			0.36	0.04	13197	13197	13197	13197			
25			0.36	0.04	13197	13197	13197	13197			
26			0.36	0.04	13197	13197	13197	13197			
27			0.36	0.04	13197	13197	13197	13197			
28			0.36	0.04	13197	13197	13197	13197			
29			0.36	0.04	13197	13197	13197	13197	92378.7585	13196.9655	
30			0.36	0.04	13197	13197	13197	13197			
31			0.36	0.04	13197	13197	13197	13197			
32			0.36	0.04	13197	13197	13197	13197			
33			0.36	0.04	13197	13197	13197	13197			
34			0.36	0.04	13197	13197	13197	13197			
35			0.36	0.04	13197	13197	13197	13197			
36			0.36	0.04	13197	13197	13197	13197	92378.7585	13196.9655	
37			0.36	0.04	13197	13197	13197	13197			
38			0.36	0.04	13197	13197	13197	13197			
39			0.36	0.04	13197	13197	13197	13197	39590.8965	13196.9655	
Total (ac-ft)	0.00	0.00	1.26	1.26	1.26	1.26	1.26	1.26	1.26		
Total (gal)	0	0	409,106	409,106	409,106	409,106	409,106	409,106	409,106		

Water Accounting Record
August - Monthly Tab

Lake Surface Area (acres) 1.35

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.35	0.04	12830	12830	12830	12830			
2			0.35	0.04	12830	12830	12830	12830			
3			0.35	0.04	12830	12830	12830	12830			
4			0.35	0.04	12830	12830	12830	12830			
5			0.35	0.04	12830	12830	12830	12830			
6			0.35	0.04	12830	12830	12830	12830			
7			0.35	0.04	12830	12830	12830	12830	89812.68188	12830.38313	
8			0.35	0.04	12830	12830	12830	12830			
9			0.35	0.04	12830	12830	12830	12830			
10			0.35	0.04	12830	12830	12830	12830			
11			0.35	0.04	12830	12830	12830	12830			
12			0.35	0.04	12830	12830	12830	12830			
13			0.35	0.04	12830	12830	12830	12830			
14			0.35	0.04	12830	12830	12830	12830	89812.68188	12830.38313	
15			0.35	0.04	12830	12830	12830	12830			
16			0.35	0.04	12830	12830	12830	12830			
17			0.35	0.04	12830	12830	12830	12830			
18			0.35	0.04	12830	12830	12830	12830			
19			0.35	0.04	12830	12830	12830	12830			
20			0.35	0.04	12830	12830	12830	12830			
21			0.35	0.04	12830	12830	12830	12830	89812.68188	12830.38313	
22			0.35	0.04	12830	12830	12830	12830			
23			0.35	0.04	12830	12830	12830	12830			
24			0.35	0.04	12830	12830	12830	12830			
25			0.35	0.04	12830	12830	12830	12830			
26			0.35	0.04	12830	12830	12830	12830			
27			0.35	0.04	12830	12830	12830	12830			
28			0.35	0.04	12830	12830	12830	12830			
29			0.35	0.04	12830	12830	12830	12830	89812.68188	12830.38313	
30			0.35	0.04	12830	12830	12830	12830			
31			0.35	0.04	12830	12830	12830	12830			
32			0.35	0.04	12830	12830	12830	12830			
33			0.35	0.04	12830	12830	12830	12830			
34			0.35	0.04	12830	12830	12830	12830			
35			0.35	0.04	12830	12830	12830	12830			
36			0.35	0.04	12830	12830	12830	12830	89812.68188	12830.38313	
37			0.35	0.04	12830	12830	12830	12830			
38			0.35	0.04	12830	12830	12830	12830			
39			0.35	0.04	12830	12830	12830	12830	38491.14938	12830.38313	
40	**Total (ac-ft)**	0.00	1.22	1.22	1.22	1.22	1.22	1.22	1.22		
41	**Total (gal)**	0	397,742	397,742	397,742	397,742	397,742	397,742	397,742		

Water Accounting Record
September - Monthly Tab

Signed: _____

Date: _____

Lake Surface Area (acres) 1.35

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.28	0.03	10264	10264	10264	10264			
2			0.28	0.03	10264	10264	10264	10264			
3			0.28	0.03	10264	10264	10264	10264			
4			0.28	0.03	10264	10264	10264	10264			
5			0.28	0.03	10264	10264	10264	10264			
6			0.28	0.03	10264	10264	10264	10264			
7			0.28	0.03	10264	10264	10264	10264	71850.1455	10264.3065	
8			0.28	0.03	10264	10264	10264	10264			
9			0.28	0.03	10264	10264	10264	10264			
10			0.28	0.03	10264	10264	10264	10264			
11			0.28	0.03	10264	10264	10264	10264			
12			0.28	0.03	10264	10264	10264	10264			
13			0.28	0.03	10264	10264	10264	10264			
14			0.28	0.03	10264	10264	10264	10264	71850.1455	10264.3065	
15			0.28	0.03	10264	10264	10264	10264			
16			0.28	0.03	10264	10264	10264	10264			
17			0.28	0.03	10264	10264	10264	10264			
18			0.28	0.03	10264	10264	10264	10264			
19			0.28	0.03	10264	10264	10264	10264			
20			0.28	0.03	10264	10264	10264	10264			
21			0.28	0.03	10264	10264	10264	10264	71850.1455	10264.3065	
22			0.28	0.03	10264	10264	10264	10264			
23			0.28	0.03	10264	10264	10264	10264			
24			0.28	0.03	10264	10264	10264	10264			
25			0.28	0.03	10264	10264	10264	10264			
26			0.28	0.03	10264	10264	10264	10264			
27			0.28	0.03	10264	10264	10264	10264			
28			0.28	0.03	10264	10264	10264	10264			
29			0.28	0.03	10264	10264	10264	10264	20528.613	10264.3065	
30											
Total (ac-ft)	0.00	0.00	0.95	0.94	0.95	0.95	0.95	0.95	0.95		
Total (gal)	0	0	307,929	307,929	307,929	307,929	307,929	307,929	307,929		

Water Accounting Record
October - Monthly Tab

Lake Surface Area (acres) 1.35

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.20	0.02	7332	7332	7332	7332			
2			0.20	0.02	7332	7332	7332	7332			
3			0.20	0.02	7332	7332	7332	7332			
4			0.20	0.02	7332	7332	7332	7332			
5			0.20	0.02	7332	7332	7332	7332			
6			0.20	0.02	7332	7332	7332	7332			
7			0.20	0.02	7332	7332	7332	7332	51321.5325	7331.6475	
8			0.20	0.02	7332	7332	7332	7332			
9			0.20	0.02	7332	7332	7332	7332			
10			0.20	0.02	7332	7332	7332	7332			
11			0.20	0.02	7332	7332	7332	7332			
12			0.20	0.02	7332	7332	7332	7332			
13			0.20	0.02	7332	7332	7332	7332			
14			0.20	0.02	7332	7332	7332	7332	51321.5325	7331.6475	
15			0.20	0.02	7332	7332	7332	7332			
16			0.20	0.02	7332	7332	7332	7332			
17			0.20	0.02	7332	7332	7332	7332			
18			0.20	0.02	7332	7332	7332	7332			
19			0.20	0.02	7332	7332	7332	7332			
20			0.20	0.02	7332	7332	7332	7332			
21			0.20	0.02	7332	7332	7332	7332	51321.5325	7331.6475	
22			0.20	0.02	7332	7332	7332	7332			
23			0.20	0.02	7332	7332	7332	7332			
24			0.20	0.02	7332	7332	7332	7332			
25			0.20	0.02	7332	7332	7332	7332			
26			0.20	0.02	7332	7332	7332	7332			
27			0.20	0.02	7332	7332	7332	7332			
28			0.20	0.02	7332	7332	7332	7332			
29			0.20	0.02	7332	7332	7332	7332	51321.5325	7331.6475	
30			0.20	0.02	7332	7332	7332	7332			
31			0.20	0.02	7332	7332	7332	7332			
32			0.20	0.02	7332	7332	7332	7332			
33			0.20	0.02	7332	7332	7332	7332			
34			0.20	0.02	7332	7332	7332	7332			
35			0.20	0.02	7332	7332	7332	7332			
36			0.20	0.02	7332	7332	7332	7332	51321.5325	7331.6475	
37			0.20	0.02	7332	7332	7332	7332			
38			0.20	0.02	7332	7332	7332	7332			
39			0.20	0.02	7332	7332	7332	7332	21994.9425	7331.6475	
Total (ac-ft)	0.00	0.00	0.00	0.70	0.70	0.70	0.70	0.70	0.70		
Total (gal)	0	0	0	227,281	227,281	227,281	227,281	227,281	227,281		

Water Accounting Record
November - Monthly Tab

Lake Surface Area (acres) 1.35

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.15	0.02	5499	5499	5499	5499			
2			0.15	0.02	5499	5499	5499	5499			
3			0.15	0.02	5499	5499	5499	5499			
4			0.15	0.02	5499	5499	5499	5499			
5			0.15	0.02	5499	5499	5499	5499			
6			0.15	0.02	5499	5499	5499	5499			
7			0.15	0.02	5499	5499	5499	5499	38491.14938	5498.735625	
8			0.15	0.02	5499	5499	5499	5499			
9			0.15	0.02	5499	5499	5499	5499			
10			0.15	0.02	5499	5499	5499	5499			
11			0.15	0.02	5499	5499	5499	5499			
12			0.15	0.02	5499	5499	5499	5499			
13			0.15	0.02	5499	5499	5499	5499			
14			0.15	0.02	5499	5499	5499	5499	38491.14938	5498.735625	
15			0.15	0.02	5499	5499	5499	5499			
16			0.15	0.02	5499	5499	5499	5499			
17			0.15	0.02	5499	5499	5499	5499			
18			0.15	0.02	5499	5499	5499	5499			
19			0.15	0.02	5499	5499	5499	5499			
20			0.15	0.02	5499	5499	5499	5499			
21			0.15	0.02	5499	5499	5499	5499			
22			0.15	0.02	5499	5499	5499	5499	38491.14938	5498.735625	
23			0.15	0.02	5499	5499	5499	5499			
24			0.15	0.02	5499	5499	5499	5499			
25			0.15	0.02	5499	5499	5499	5499			
26			0.15	0.02	5499	5499	5499	5499			
27			0.15	0.02	5499	5499	5499	5499			
28			0.15	0.02	5499	5499	5499	5499			
29			0.15	0.02	5499	5499	5499	5499	38491.14938	5498.735625	
30			0.15	0.02	5499	5499	5499	5499			
31			0.15	0.02	5499	5499	5499	5499			
32			0.15	0.02	5499	5499	5499	5499			
33			0.15	0.02	5499	5499	5499	5499			
34			0.15	0.02	5499	5499	5499	5499			
35			0.15	0.02	5499	5499	5499	5499			
36			0.15	0.02	5499	5499	5499	5499	38491.14938	5498.735625	
37			0.15	0.02	5499	5499	5499	5499			
38			0.15	0.02	5499	5499	5499	5499	10997.47125	5498.735625	
39											
Total (ac-ft)	0.00	0.00	0.51	0.51	0.51	0.51	0.51	0.51	0.51		
Total (gal)	0	0	164,962	164,962	164,962	164,962	164,962	164,962	164,962		

Water Accounting Record
December - Monthly Tab

Signed: _____
Date: _____

Lake Surface Area (acres) 1.35

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.11	0.01	4032	4032	4032	4032			
2			0.11	0.01	4032	4032	4032	4032			
3			0.11	0.01	4032	4032	4032	4032			
4			0.11	0.01	4032	4032	4032	4032			
5			0.11	0.01	4032	4032	4032	4032			
6			0.11	0.01	4032	4032	4032	4032			
7			0.11	0.01	4032	4032	4032	4032			
8			0.11	0.01	4032	4032	4032	4032			
9			0.11	0.01	4032	4032	4032	4032			
10			0.11	0.01	4032	4032	4032	4032			
11			0.11	0.01	4032	4032	4032	4032			
12			0.11	0.01	4032	4032	4032	4032			
13			0.11	0.01	4032	4032	4032	4032			
14			0.11	0.01	4032	4032	4032	4032	56453.68575	4032.406125	
15			0.11	0.01	4032	4032	4032	4032			
16			0.11	0.01	4032	4032	4032	4032			
17			0.11	0.01	4032	4032	4032	4032			
18			0.11	0.01	4032	4032	4032	4032			
19			0.11	0.01	4032	4032	4032	4032			
20			0.11	0.01	4032	4032	4032	4032			
21			0.11	0.01	4032	4032	4032	4032			
22			0.11	0.01	4032	4032	4032	4032	56453.68575	4032.406125	
23			0.11	0.01	4032	4032	4032	4032			
24			0.11	0.01	4032	4032	4032	4032			
25			0.11	0.01	4032	4032	4032	4032			
26			0.11	0.01	4032	4032	4032	4032			
27			0.11	0.01	4032	4032	4032	4032			
28			0.11	0.01	4032	4032	4032	4032			
29			0.11	0.01	4032	4032	4032	4032			
30			0.11	0.01	4032	4032	4032	4032			
31			0.11	0.01	4032	4032	4032	4032			
32			0.11	0.01	4032	4032	4032	4032			
33			0.11	0.01	4032	4032	4032	4032			
34			0.11	0.01	4032	4032	4032	4032			
35			0.11	0.01	4032	4032	4032	4032			
36			0.11	0.01	4032	4032	4032	4032	56453.68575	4032.406125	
37			0.11	0.01	4032	4032	4032	4032			
38			0.11	0.01	4032	4032	4032	4032			
39			0.11	0.01	4032	4032	4032	4032	12097.21838	4032.406125	
Total (ac-ft)	0.00	0.00	0.38	0.38	0.38	0.38	0.38	0.38	0.38		
Total (gal)	0	0	125,005	125,005	125,005	125,005	125,005	125,005	125,005		

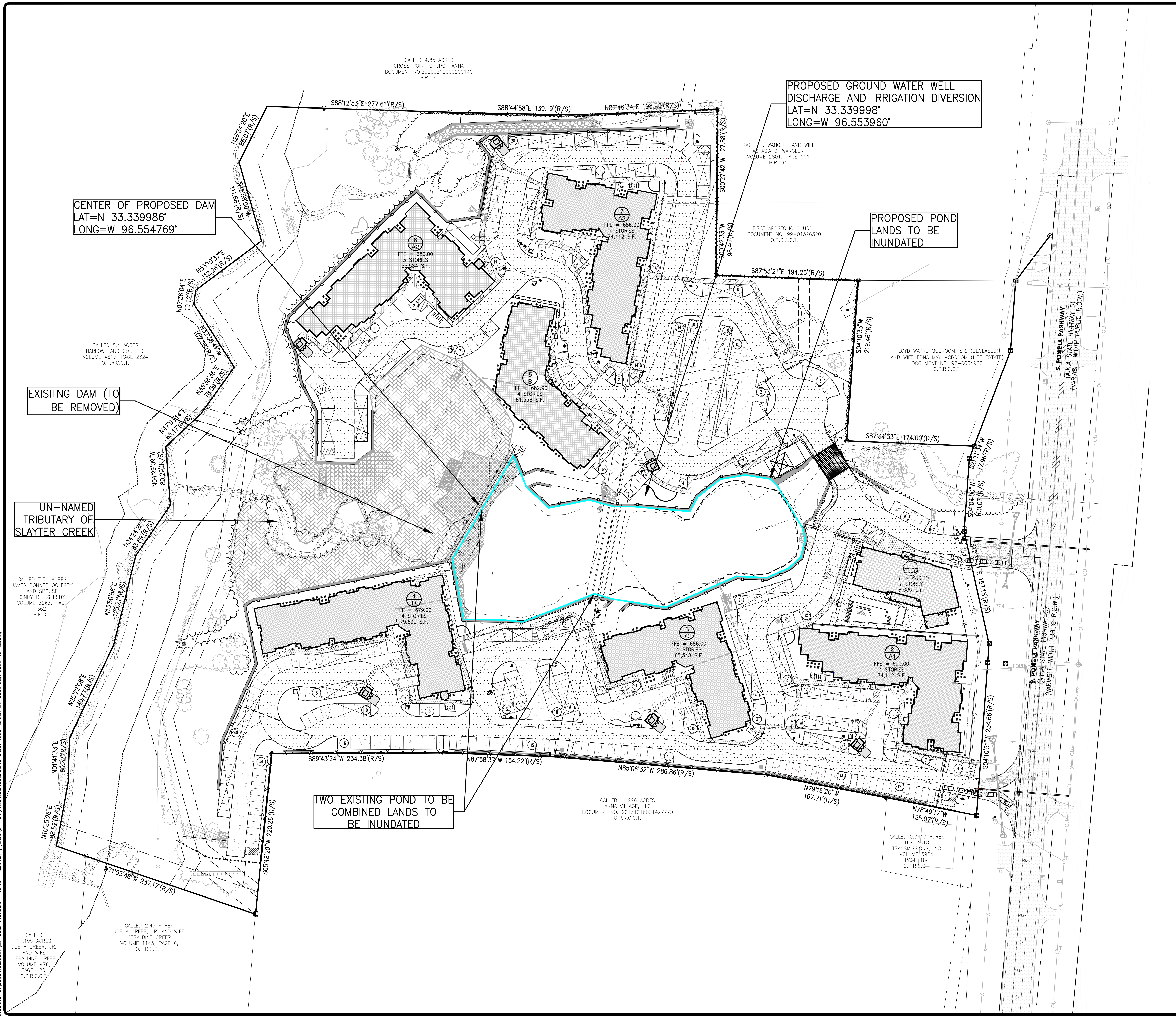
ANNUAL TAB

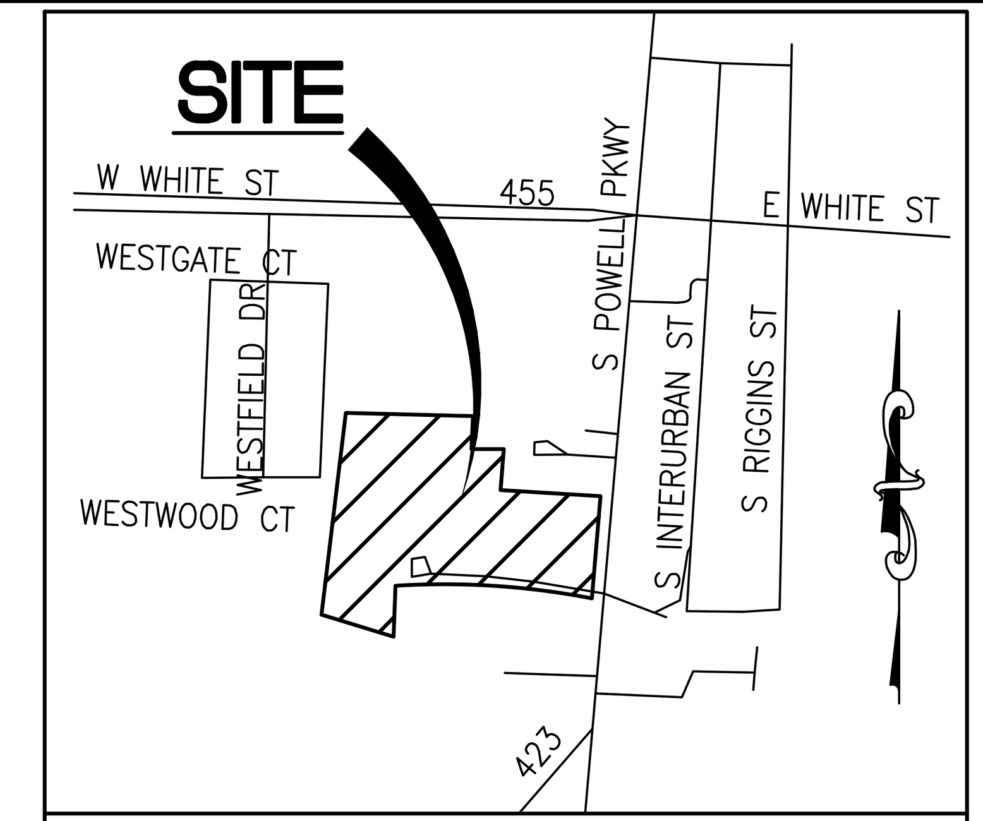
Year	

Month	Groundwater Volume (ac-ft)	Irrigation Volume (ac-ft)	Evaporation (ac-ft)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Release (ac-ft)
January	0.00	0.00	0.38	0.38	0.38	0.38
February	0.00	0.00	0.47	0.47	0.47	0.47
March	0.00	0.00	0.66	0.66	0.66	0.66
April	0.00	0.00	0.81	0.81	0.81	0.81
May	0.00	0.00	0.98	0.98	0.98	0.98
June	0.00	0.00	1.11	1.11	1.11	1.11
July	0.00	0.00	1.26	1.26	1.26	1.26
August	0.00	0.00	1.22	1.22	1.22	1.22
September	0.00	0.00	0.95	0.95	0.95	0.95
October	0.00	0.00	0.70	0.70	0.70	0.70
November	0.00	0.00	0.51	0.51	0.51	0.51
December	0.00	0.00	0.38	0.38	0.38	0.38
Total	0.00	0.00	9.43	9.43	9.43	9.43

Calculated Results
Applicant data entry
Calculation
Data from ACOE
Other Project Specific Data
References Other Sheet
Not used

Map (Ponds, Diversion and Discharge, Inundated Area, etc.)


CENTER OF PROPOSED DAM
LAT=N 33.339986°
LONG=W 96.554769°
PROPOSED GROUND WATER WELL
DISCHARGE AND IRRIGATION DIVERSION
LAT=N 33.339998°
LONG=W 96.553960°
PROPOSED POND
LANDS TO BE
INUNDATED
EXISITNG DAM (TO
BE REMOVED)
UN-NAMED
TRIBUTARY OF
SLAYTER CREEK
TWO EXISTING POND TO BE
COMBINED LANDS TO
BE INUNDATED
CALLED 4.85 ACRES
CROSS POINT CHURCH ANNA
DOCUMENT NO.20200212000200140
O.P.R.C.C.T.
ROGER D. WANGLER AND WIFE
ASPASIA D. WANGLER
VOLUME 2801, PAGE 151
O.P.R.C.C.T.
FIRST APOSTOLIC CHURCH
DOCUMENT NO. 99-01326320
O.P.R.C.C.T.
FLOYD WAYNE MCBROOM, SR. (DECEASED)
AND WIFE EDNA MAY MCBROOM (LIFE ESTATE)
DOCUMENT NO. 92-0064922
O.P.R.C.C.T.
CALLED 8.4 ACRES
HARLOW LAND CO., LTD.
VOLUME 4617, PAGE 2624
O.P.R.C.C.T.
CALLED 7.51 ACRES
JAMES BONNER OGLESBY
AND SPOUSE
CINDY R. OGLESBY
VOLUME 3963, PAGE 362,
O.P.R.C.C.T.
CALLED 11.226 ACRES
ANNA VILLAGE, LLC
DOCUMENT NO. 20131016001427770
O.P.R.C.C.T.
CALLED 0.3417 ACRES
U.S. AUTO
TRANSMISSIONS, INC.
VOLUME 5924, PAGE 184
O.P.R.C.C.T.
CALLED 2.47 ACRES
JOE A GREER, JR. AND WIFE
GERALDINE GREER
VOLUME 1145, PAGE 6,
O.P.R.C.C.T.
CALLED 11.195 ACRES
JOE A. GREER, JR.
AND WIFE
GERALDINE GREER
VOLUME 976, PAGE 120,
O.P.R.C.C.T.
S. POWELL PARKWAY
(A.K.A STATE HIGHWAY 5)
(VARIABLE WIDTH PUBLIC R.O.W.)
A2 FFE = 680.00 3 STORIES 55,584 S.F.
A3 FFE = 686.00 4 STORIES 74,112 S.F.
B FFE = 682.90 4 STORIES 61,556 S.F.
D FFE = 679.00 4 STORIES 79,690 S.F.
C FFE = 686.00 4 STORIES 65,548 S.F.
A1 FFE = 690.00 4 STORIES 74,112 S.F.



LOCATION MAP
NOT TO SCALE

60' 0' 60' 120'
SCALE: 1" = 60'

WATER RIGHTS NOTES

POND VOLUME:	91229 CUBIC YARDS, (5.66 AC-FT)
POND SURFACE AREA:	58815 SQ FT OR 1.35 ACRES

DATE	No.	REVISION DESCRIPTION
11/28/2022	16	PER FIELD CHANGES
05/17/2022	8	PER UNCOVERED FIELD CONDITIONS
04/14/2022	7	SUBSTANTIALLY CONFORMING SITE PLAN, RFI'S
02/24/2022	6	ACCESSIBLE/OWNER COMMENTS
10/22/2021	5	PER ARCHITECTURAL PLANS

DEVELOPER/OWNER:
PROVIDENT REALTY ADVISORS
10210 N CENTRAL EXPRESSWAY
SUITE 300 DALLAS, TEXAS 75231
PHONE: (972) 385-4112

DATE: 11/29/2022

WATERVIEW APARTMENTS
1220 SOUTH POWELL PARKWAY
ANNA, TEXAS 75409

TCEQ WATER RIGHTS PERMITTING EXHIBIT

SITE PLAN
CITY PROJECT NO. SP 2021-0009

WATERVIEW APARTMENTS
20.799 ACRES
LOT 1, BLOCK A
GRANDERSON STARK SURVEY, ABSTRACT NO. 798
CITY OF ANNA, COLLIN COUNTY, TEXAS
PREPARATION DATE 00/00/00

OWNER
PROVIDENT REALTY ADVISORS
JOHN HICKMAN
10210 N. CENTRAL EXPRESSWAY, SUITE 300
DALLAS, TX 75203
972-385-4112

LANDSCAPE ARCHITECT
COLE DESIGN GROUP, INC.
JEREMY DON ROACH
POWER HOUSE AT UNION STATION,
401 S. 18TH STREET, SUITE 200,
ST. LOUIS, MO 63103
314-984-9887

ENGINEER
COLE DESIGN GROUP, INC.
JAMES T. ROTH P.E.
6175 MAIN ST, STE 367
FRISCO, TX 75034
972-624-6000

SURVEYOR
COLE DESIGN GROUP, INC.
DANIEL L. JACKSON
6175 MAIN ST, STE 367
FRISCO, TX 75034
972-624-6000

DESIGN/CALC BY	MAB/LLW/CMK
DRAWN BY	MAB/LLW/CMK
CHECKED BY	KAK/EJM/JTR
DRAWING SCALE	AS SHOWN
DATE	10/03/2022
JOB NUMBER	20-0085-00B
SHEET NUMBER	EX-1

Anna Crossing Partners LP

January 9, 2023

Accounting plan available upon request

Contact Mr. Chris Kozlowski at (512) 239-1801

Natalia Ponebshek

From: Kurt Kutter [redacted] >
Sent: Friday, January 6, 2023 4:05 PM
To: Natalia Ponebshek
Cc: Daniel Rosas; John Hickman
Subject: Re: RFI Anna Crossing Partners LP Application 13834 20-0085

Natalia,

I apologize this week has been hectic. I will get you over the broken out pdfs in separate emails asap. Can we have an extension to provide the groundwater conservation permit application until the 13th?

Thank you,

Kurt

Get Outlook for iOS

From: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>
Sent: Thursday, January 5, 2023 3:05:17 PM
To: Kurt Kutter [redacted] >
Cc: Daniel Rosas [redacted] >; John Hickman [redacted] >
Subject: RE: RFI Anna Crossing Partners LP Application 13834 20-0085

Hello,

I have not received the PDF attachments we discussed. Please let me know if you have any questions.

Thank you,

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
(512) 239-4641

From: Kurt Kutter [redacted]
Sent: Tuesday, January 3, 2023 11:56 AM
To: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>
Cc: Daniel Rosas <[redacted]>; John Hickman [redacted]
Subject: RE: RFI Anna Crossing Partners LP Application 13834 20-0085

Natalia,

We tried to provide the response in an attached pdf but were unable to due to size limitations. The PDF is contained in the link below. Can you access the link?

Thank you,

Kurt Kutter PE
Manager of Engineering / 314.759.0770 *cell* / [redacted]

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Cole & Associates, Inc. is a Missouri Corporation d.b.a. Cole Design Group, Inc. in Texas & Arizona, herein referred to as "Cole"

From: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>
Sent: Tuesday, January 3, 2023 11:54 AM
To: Kurt Kutter <[redacted]>
Cc: Daniel Rosas [redacted]; John Hickman [redacted]>
Subject: Re: RFI Anna Crossing Partners LP Application 13834 20-0085

Happy New Year!

Could you please provide the RFI response in PDF form?

Thank you,

Natalia Ponebshek
512-239-4641

From: Kurt Kutter [redacted]
Sent: Wednesday, December 28, 2022 5:52:53 PM
To: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>
Cc: Daniel Rosas [redacted]; John Hickman [redacted]
Subject: RE: RFI Anna Crossing Partners LP Application 13834 20-0085

Natalia,

Please see the following link to the submittal with respect to the Water Rights permit application: https://colestl.sharefile.com/d-s4f3de9b532694920a8cb0637dc46c287. We had a couple of questions for you regarding this submittal and I understand you are out this week, but we wanted to give you an update. Please let me know when you are back in the office to discuss.

Thank you,

Kurt Kutter PE
Manager of Engineering / 314.759.0770 *cell* [redacted]

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From: Kurt Kutter
Sent: Tuesday, December 27, 2022 3:21 PM
To: Natalia Ponebshek <Natalia.Ponebshek@tceq.texas.gov>

Cc: Daniel Rosas [redacted]
Subject: RE: RFI Anna Crossing Partners LP Application 13834

Natalia,

We are currently working on these comments and would like to review a couple of the items with you before resubmittal. We are still waiting for feedback from the well consultant but should have the information within the next few days. Do you have any availability tomorrow to discuss the resubmittal? We wanted to ensure we met the response date of tomorrow.

Thank you,

Kurt Kutter PE
Manager of Engineering / 314.759.0770 *cell* / [redacted]

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1520 S. Fifth Street / Suite 307 / St. Charles / MO / 63303
636.978.7508 x1208 / *colestl.com*
Cole & Associates, Inc. is a Missouri Corporation d.b.a. Cole Design Group, Inc. in Texas & Arizona, herein referred to as "Cole"

Natalia Ponebshek

From: Natalia Ponebshek
Sent: Monday, November 28, 2022 4:21 PM
To: [redacted]
Subject: RFI Anna Crossing Partners LP Application 13834
Attachments: Anna_Crossing_Partners_LP_13834_RFI 1_ Sent_11.28.2022.pdf

Please find the attached request for information for the abovementioned application. A response is due by December 28, 2022.

Thank you,

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
(512) 239-4641

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

November 28, 2022

Mr. Kurt Kutter **VIA E-MAIL**
Project Manager
Cole and Associates, Inc.
1250 S. Fifth Street
St. Charles, MO 63303

RE: Anna Crossing Partners LP
WRPERM 13834
CN606010601, RN111483970
Application No. 13834 for a Water Use Permit
Texas Water Code (TWC) §§ 11.121 and 11.042, Requiring Mailed and Published Notice
Unnamed Tributary of Slayter Creek, Trinity River Basin
Collin County

Dear Mr. Kutter:

This acknowledges receipt, on April 18, 2022, of the referenced application and fees in the amount of $587.81 (Receipt No. M216248, copy attached).

This area is considered to have limited to no water available for appropriation for either a term or perpetual right. TCEQ would probably be unable to recommend granting the application without an alternate source of water. Staff acknowledges that the applicant has an alternate source, which the applicant has identified as groundwater from the Woodbine aquifer, and the alternate source of water will be considered during technical review.

Additional information and fees are required before the application can be declared administratively complete.

1. Confirm whether the applicant is requesting to proceed under TWC § 11.143. Staff notes that this request was made for Pond B on Worksheet 2.0, item 1.d.2.a.; however, the same section was left blank for Pond A.

2. Confirm that the application requests to impound 4.65 acre-feet of water in the reservoirs, to divert 8.77 acre-feet of water, and to compensate for evaporation from the reservoirs and any diversions with groundwater from the Woodbine aquifer.

3. Provide a completed *Worksheet 3.0 Diversion Point Information Sheet* for each requested diversion point. Staff notes that the application requests two diversion points, located on the perimeter of each reservoir; however, only one Worksheet 3.0 is included with the submitted application.

4. Confirm evaporative losses are 9.92 acre-feet per year. Staff notes, item b on Worksheet 4.0 indicates losses to be 0.

5. Provide evidence that an application for a groundwater well permit has been submitted to the North Texas Groundwater Conservation District or evidence that a permit is not required.

6. Provide a completed *Worksheet 4.1 Discharge Location Information Sheet* for each requested discharge point. Staff notes that the application requests two discharge points, located on the perimeter of each reservoir; however, only one Worksheet 4.1 is included with the submitted application.

7. Confirm the ZIP code for all diversion and discharge points and both reservoirs.

Please provide the requested information and fees by December 28, 2022, or the application may be returned pursuant to 30 Texas Administrative Code § 281.18.

Additional information will be required prior to completion of technical review.

1. Provide a completed Information Sheet: Existing Dam worksheet for each requested reservoir (copy attached).

2. Provide an electronic copy of the accounting plan described in the application.

If you have any questions concerning this matter, please contact me via e-mail at Natalia.Ponebshek@tceq.texas.gov or by telephone at (512) 239-4641.

Sincerely,

Natalia Ponebshek

Natalia Ponebshek, Project Manager
Water Rights Permitting Team
Water Rights Permitting and Availability Section
Texas Commission on Environmental Quality

Attachments

TCEQ 21-APR-22 09:06 AM

TCEQ - A/R RECEIPT REPORT BY ACCOUNT NUMBER

Fee Description	Fee Code / Account# / Account Name	Ref#1 / Ref#2 / Paid In By	Check Number / Card Auth. / User Data	CC Type / Tran Code / Rec Code	Slip Key / Document#	Tran Date	Tran Amount
WTR USE PERMITS	WUP	M216248	1002		BS00094293	21-APR-22	-$587.81
	WUP		042022	N	D2802529		
	WATER USE PERMITS	ANNA CROSSING PARTNERSHIP ACC	VACRUZ	CK			
	WUP	M216249	479727		BS00094293	21-APR-22	-$1,109.84
	WUP		042022	N	D2802529		
	WATER USE PERMITS	BRYAN, CITY OF	VACRUZ	CK			
				Total (Fee Code):			-$1,697.65
				Grand Total:			-$6,604.90

Texas Dam Safety Program, MC 174
Field Operations Support Division, Office of Compliance and Enforcement
Texas Commission on Environmental Quality
P.O. Box 13087
Austin, TX 78711

INFORMATION SHEET: EXISTING DAM

(PLEASE PRINT OR TYPE)

Reference 30 Texas Administrative Code, Chapter 299, Dams and Reservoirs

SECTION 1: OWNER INFORMATION

Owner's Name _____ Title _____

Organization _____

_____ _____

(Signature of Owner) *(Date)*

Owner's Address _____

City _____ State _____ Zip Code _____

Phone Number ( ) _____ Emergency Contact Phone ( ) _____

Fax Number ( ) _____ E-mail _____

Owner Code *(Please check one)*: ❑ Federal (F) ❑ Local Government (L) ❑ Utility (U) ❑ Private (P) ❑ State (S)
❑ Other (O) please specify: _____

Year Built _____ Year Modified _____

Dam and Reservoir Use *(Please check one)*:

❑ Augmentation	❑ Diversion	❑ Domestic	❑ Erosion Control		
❑ Evaporation	❑ Flood Control	❑ Fire Control	❑ Fish	❑ Hydroelectric	❑ Industrial
❑ Irrigation	❑ Mining	❑ Municipal	❑ Pollution Control	❑ Recreation	❑ Stock Water
❑ Settling Ponds	❑ Tailings	❑ Waste Disposal	❑ Other, please specify: _____		

Engineering Firm _____

Project Engineer _____ Texas P.E. License Number _____

Engineering Firm Address _____

City _____ State _____ Zip Code _____

Phone ( ) _____ Fax ( ) _____

E-mail _____

SECTION 2: GENERAL INFORMATION

Name of Dam _____

Other Name(s) of Dam _____

Reservoir Name _____

Location _____ Latitude _____ Longitude _____

County _____ Stream Name _____

River Basin _____ Topographic Map No. _____

Distance & Direction from Nearest City or Town _____

Last Inspection Date _____ Inspected by (name of company or agency) _____

TX Number _____ Water Rights Number _____

Date of Emergency Action Plan (EAP), if one exists _____

Describe the current operating condition of dam _____

_____

If you have questions on how to fill out this form or about the Dam Safety Program, please contact us at 512-239-5195.
Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512-239-3282.

SECTION 3: INFORMATION ON DAM

Classification

Size Classification: ❑ Large ❑ Medium ❑ Small

Hazard Classification: ❑ High ❑ Significant ❑ Low

Number of People at Risk _____ Study Year _____

Type of Dam: ❑ Concrete ❑ Gravity ❑ Earthfill ❑ Rockfill ❑ Masonry ❑ Other (specify) _____

Dam Structure (dimensions to nearest tenth of foot, volume to nearest acre-foot or cubic yard, areas to nearest acre):

Spillway Height _____ ft *(natural surface of ground to bottom of emergency spillway at longitudinal centerline)*

Embankment Height _____ ft *(natural surface of ground to crest of dam at centerline)*

Structural Height _____ ft *(bottom of cutoff trench to crest of dam at centerline)*

Length of Dam _____ ft Crest Width _____ ft

Normal Pool Elevation _____ ft-MSL Principal Spillway Elevation _____ ft-MSL

Emergency Spillway Elevation _____ ft-MSL Top of Dam Elevation _____ ft-MSL

Embankment Volume _____ cu yd

Maximum Impoundment Capacity _____ ac-ft *(at top of dam)*

Normal Reservoir Capacity _____ ac-ft *(at normal or conservation pool)*

Reservoir Surface Area _____ acres *(at normal or conservation pool)*

Outlet

Outlet Diameter: _____ ❑ in ❑ ft *(check one)*

Type: _____

Principal Spillway

Type: ❑ Natural ❑ Riprap ❑ Concrete ❑ CMP ❑ RCP ❑ Other

Width (Diam.): _____ ft Capacity: _____ cfs

Emergency Spillway

Type: ❑ Natural ❑ Riprap ❑ Concrete ❑ CMP ❑ RCP ❑ Other

Width (Diam.): _____ ft Capacity: _____ cfs

Total Spillway Capacity: _____ cfs (crest of the dam)

SECTION 4: HYDROLOGIC INFORMATION

Required Hydrologic Criteria (% PMF) _____ % PMF Passing _____

PMF Study Year _____

Drainage Area: _____ acres, or _____ sq mi

Curve Number (AMC III condition) _____

Time of Concentration _____ hr

Peak Discharge _____ cfs

Peak Stage _____ ft-MSL

Storm Duration Causing Peak Stage _____ hr

TCEQ 21-APR-22 09:06 AM

TCEQ - A/R RECEIPT REPORT BY ACCOUNT NUMBER

Fee Description	Fee Code / Account# / Account Name	Ref#1 / Ref#2 / Paid In By	Check Number / Card Auth. / User Data	CC Type / Tran Code / Rec Code	Slip Key / Document#	Tran Date	Tran Amount
WTR USE PERMITS	WUP	M216248	1002		BS00094293	21-APR-22	-$587.81
	WUP		042022	N	D2802529		
	WATER USE PERMITS	ANNA CROSSING PARTNERSHIP ACC	VACRUZ	CK			
	WUP	M216249	479727		BS00094293	21-APR-22	-$1,109.84
	WUP		042022	N	D2802529		
	WATER USE PERMITS	BRYAN, CITY OF	VACRUZ	CK			
				Total (Fee Code):			-$1,697.65
				Grand Total:			-$6,604.90

ST. LOUIS
Power House at Union Station
401 S. 18th Street, Suite 200
St. Louis, MO 63103
314.984.9887 *tel*

ST. CHARLES
1520 S. Fifth Street
Suite 307
St. Charles, MO 63303
636.978.7508 *tel*

DALLAS
6175 Main Street
Suite 367
Frisco, TX 75034
972.624.6000 *tel*

PHOENIX
2701 E. Camelback Road
Suite 175
Phoenix, AZ 85016
602.795.4111 *tel*

transmittal

TO: Texas Commission on Environmental Quality
Chris Kozlowski
Water Availability Division, MC-160
12100 Park 35 Circle
Anna, TX 78753

DATE: 04-13-2022 **JOB #:** 20-0085
ATTENTION: Chris Kozlowski
RE: Waterview Apartments

We Are Sending You:

COPIES	DATE	DESCRIPTION
1		TCEQ Permit Application
1		Submittal Fee

These Are Transmitted As Checked Below:

☐ Approval ☒ For Review and Comment ☐ For Your Use ☐ Other

Via:

☐ Courier ☒ Mail ☐ Pick Up ☐ Other

Remarks:

Copy To:
File
John Hickman – Provident

Kurt Kutter, P.E. – Project Manager

ST. LOUIS
Power House at Union Station
401 S. 18th Street, Suite 200
St. Louis, MO 63103
314.984.9887 *tel*

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PHOENIX
2701 E. Camelback Road
Suite 175
Phoenix, AZ 85016
602.795.4111 *tel*

April 13, 2022

Texas Commission on Environmental Quality
Chris Kozlowski
Water Availability Division, MC-160
12100 Park 35 Circle
Austin, TX 78753

RE: Waterview Apartment Water Rights Permit Application
Anna, TX

Dear Chris:

Anna Crossing Partners LP is proposing a multi-family development north of county road 423 and south of W White St. on the west side of Powell Pkwy (HWY 5). The permit application addresses two existing stock ponds that are proposed to store water for irrigation and will lose water to evaporation. A groundwater well is proposed to maintain permanent water levels in the ponds to ensure State Water is not impounded. A pre-application meeting was held with TCEQ on July 21, 2021, the City of Dallas on August 4, 2021 and the City of Houston on August 4,2021. All comments from the referenced meetings have been addressed and contained with this submittal.

Please find enclosed Water Rights Permit application and supporting documentation as follows:

1. Administrative Information Checklist
2. Administrative Information Report
   2a. Anna Crossing Partners LP Appointment of Officers Document
3. Technical Information Report
   a. Worksheet 1.0
   b. Worksheet 2.0
      i. Pond A
      ii. Pond B
   c. Worksheet 3.0
   d. Worksheet 4.0
      i. Well data
   e. Worksheet 4.1
   f. Worksheet 5.0
   g. Worksheet 7.0
      i. Text File
      ii. Spreadsheet
   h. Worksheet 8.0

4. Well Data (nearby well on same aquifer at similar depth)
5. Map (pond, diversion and discharge, inundated area, etc)
6. Drainage Area Map
7. Aerial Photograph with Site Photo Key
8. Site Photographs
9. Property Deeds

If you have any questions, please contact me at 636-978-7508 or [redacted]

Sincerely,

Kurt Kutter, P.E.
Project Manager

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

TCEQ WATER RIGHTS PERMITTING APPLICATION

ADMINISTRATIVE INFORMATION CHECKLIST

Complete and submit this checklist for each application. See Instructions Page. 5.

APPLICANT(S): Anna Crossing Partners LP

Indicate whether the following items are included in your application by writing either Y (for yes) or N (for no) next to each item (all items are not required for every application).

Y/N		Y/N	
Y	**Administrative Information Report**	Y	**Worksheet 3.0**
N	Additional Co-Applicant Information	N	Additional W.S 3.0 for each Point
N	Additional Co-Applicant Signature Pages	N	Recorded Deeds for Diversion Points
Y	Written Evidence of Signature Authority	N	Consent For Diversion Access
Y	**Technical Information Report**	Y	**Worksheet 4.0**
Y	USGS Map (or equivalent)	N	TPDES Permit(s)
Y	Map Showing Project Details	N	WWTP Discharge Data
Y	Original Photographs	Y	24-hour Pump Test Data from similar well
N	Water Availability Analysis	N	Groundwater Well Permit
Y	**Worksheet 1.0**	N	Signed Water Supply Contract
N	Recorded Deeds for Irrigated Land	Y	**Worksheet 4.1**
N	Consent For Irrigation Land	Y	**Worksheet 5.0**
N	**Worksheet 1.1**	N	Addendum to Worksheet 5.0
N	Addendum to Worksheet 1.1	N	**Worksheet 6.0**
N	**Worksheet 1.2**	N	Water Conservation Plan(s)
N	Addendum to Worksheet 1.2	N	Drought Contingency Plan(s)
Y	**Worksheet 2.0**	N	Documentation of Adoption
N	Additional W.S 2.0 for Each Reservoir	Y	**Worksheet 7.0**
N	Dam Safety Documents	Y	Accounting Plan
N	Notice(s) to Governing Bodies	Y	**Worksheet 8.0**
N	Recorded Deeds for Inundated Land	Y	Fees
N	Consent For Inundation Land		

For Commission Use Only:
Proposed/Current Water Right Number: _____
Basin: _____ Watermaster area Y/N: _____

ADMINISTRATIVE INFORMATION REPORT

The following information **is required** for **all** new applications and amendments.

****Applicants are strongly encouraged to schedule a pre-application meeting with TCEQ Staff to discuss Applicant's needs prior to submitting an application. Call the Water Rights Permitting Team to schedule a meeting at* (512) 239-4600.**

1. TYPE OF APPLICATION (Instructions, Page. 6)

Indicate, by marking X, next to the following authorizations you are seeking.

X New Appropriation of State Water

_____Amendment to a Water Right *

X Bed and Banks

If you are seeking an amendment to an existing water rights authorization, you must be the owner of record of the authorization. If the name of the Applicant in Section 2, does not match the name of the current owner(s) of record for the permit or certificate or if any of the co-owners is not included as an applicant in this amendment request, your application could be returned. If you or a co-applicant are a new owner, but ownership is not reflected in the records of the TCEQ, submit a change of ownership request (Form TCEQ-10204) prior to submitting the application for an amendment. See Instructions page. 6. Please note that an amendment application may be returned, and the Applicant may resubmit once the change of ownership is complete.

Please summarize the authorizations or amendments you are seeking in the space below or attach a narrative description entitled "Summary of Request."

Anna Crossing Partners LP is proposing to construct a multi-family development with 6 multi-family buildings and a clubhouse. The project includes 2 existing stock ponds on an unnamed tributary to Slayter creek. The impounded water will be used for recreational and agricultural (irrigation) use. This application is requesting authorization from TCEQ to impound water. Water lost to evaporation and used for irrigation will be replaced by groundwater wells.

2. APPLICANT INFORMATION (Instructions, Page. 6)

a. Applicant

Indicate the number of Applicants/Co-Applicants 1
(Include a copy of this section for each Co-Applicant, if any)

What is the Full Legal Name of the individual or entity (applicant) applying for this permit?

Anna Crossing Partners LP

(If the Applicant is an entity, the legal name must be spelled exactly as filed with the Texas Secretary of State, County, or in the legal documents forming the entity.)

If the applicant is currently a customer with the TCEQ, what is the Customer Number (CN)? You may search for your CN on the TCEQ website at http://www15.tceq.texas.gov/crpub/index.cfm?fuseaction=cust.CustSearch

CN :_____(leave blank if you do not yet have a CN).

What is the name and title of the person or persons signing the application? Unless an application is signed by an individual applicant, the person or persons must submit written evidence that they meet the signatory requirements in *30 TAC § 295.14*.

First/Last Name: Antonio Williams

Title: Secretary

Have you provided written evidence meeting the signatory requirements in 30 TAC § 295.14, as an attachment to this application? YES

What is the applicant's mailing address as recognized by the US Postal Service (USPS)? You may verify the address on the USPS website at https://tools.usps.com/go/ZipLookupAction!input.action.

Name: Anna Crossing Partners LP

Mailing Address: 10210 N. Central Expressway, Suite 300

City: Dallas State: TX ZIP Code: 75231

Indicate an X next to the type of Applicant:

____Individual	____Sole Proprietorship-D.B.A.
X ____Partnership	____Corporation
____Trust	____Estate
____Federal Government	____State Government
____County Government	____City Government
____Other Government	____Other_____

For Corporations or Limited Partnerships, provide:
State Franchise Tax ID Number: 32076831232 SOS Charter (filing) Number: 0803846463

3. APPLICATION CONTACT INFORMATION (Instructions, Page. 9)

If the TCEQ needs additional information during the review of the application, who should be contacted? Applicant may submit their own contact information if Applicant wishes to be the point of contact.

First and Last Name: Kurt Kutter

Title: Project Manager

Organization Name: Cole and Associates, Inc.

Mailing Address: 1520 S. Fifth Street

City: St. Charles State: MO ZIP Code: 63303

Phone No.: 636-978-7508 Extension: 1208

Fax No.: E-mail Address: [redacted]

4. WATER RIGHT CONSOLIDATED CONTACT INFORMATION (Instructions, Page. 9)

This section applies only if there are multiple Owners of the same authorization. Unless otherwise requested, Co-Owners will each receive future correspondence from the Commission regarding this water right (after a permit has been issued), such as notices and water use reports. Multiple copies will be sent to the same address if Co-Owners share the same address. Complete this section if there will be multiple owners and **all** owners agree to let one owner receive correspondence from the Commission. Leave this section blank if you would like all future notices to be sent to the address of each of the applicants listed in section 2 above.

I/We authorize all future notices be received on my/our behalf at the following:

First and Last Name:

Title:

Organization Name:

Mailing Address:

City: State: ZIP Code:

Phone No.: Extension:

Fax No.: E-mail Address:

NOT APPLICABLE - SINGLE OWNER

5. MISCELLANEOUS INFORMATION (Instructions, Page. 9)

a. The application will not be processed unless all delinquent fees and/or penalties owed to the TCEQ or the Office of the Attorney General on behalf of the TCEQ are paid in accordance with the Delinquent Fee and Penalty Protocol by all applicants/co-applicants. If you need assistance determining whether you owe delinquent penalties or fees, please call the Water Rights Permitting Team at (512) 239-4600, prior to submitting your application.

1. Does Applicant or Co-Applicant owe any fees to the TCEQ? **Yes / No**

   If **yes**, provide the following information:

   Account number: Amount past due:

2. Does Applicant or Co-Applicant owe any penalties to the TCEQ? **Yes / No**

   If **yes**, please provide the following information:

   Enforcement order number: Amount past due:

b. If the Applicant is a taxable entity (corporation or limited partnership), the Applicant must be in good standing with the Comptroller or the right of the entity to transact business in the State may be forfeited. See Texas Tax Code, Subchapter F. Applicant's may check their status with the Comptroller at https://mycpa.cpa.state.tx.us/coa/

   Is the Applicant or Co-Applicant in good standing with the Comptroller? **Yes / No**

c. The commission will not grant an application for a water right unless the applicant has submitted all Texas Water Development Board (TWDB) surveys of groundwater and surface water use – if required. See TWC §16.012(m) and 30 TAC § 297.41(a)(5).

Applicant has submitted all required TWDB surveys of groundwater and surface water? **Yes / No**

6. SIGNATURE PAGE (Instructions, Page. 11)

Applicant:

I, Antonio Williams, Secretary
(Typed or printed name) (Title)

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under Title 30 Texas Administrative Code §295.14 to sign and submit this document and I have submitted written evidence of my signature authority.

Signature: _____ Date: 03/17/2022
(Use blue ink)

Subscribed and Sworn to before me by the said

on this 17th day of March, 2022.

My commission expires on the 27th day of October, 2024.

Notary Public Jackie Ann Otto

[SEAL]

JACKIE ANN OTTO
Notary ID #130877568
My Commission Expires
October 27, 2024

County, Texas

If the Application includes Co-Applicants, each Applicant and Co-Applicant must submit an original, separate signature page

RESOLUTION NO. 2021-04

A Resolution by the Village Communities Development Corporation ("VCDC") Board of Directors authorizing VCDC to execute any and all documents, or take any other action, that is necessary or desirable to:

1. Facilitate the development of the Waterview Apartments, which consists of affordable housing units and associated amenities built upon land to be ground-leased from the Housing Authority of Texarkana, Texas ("HATT");

2. Cause VCDC's wholly-owned subsidiary limited liability company, Anna Crossing Partners GP LLC (the "General Partner") to execute an amended and restated agreement of limited partnership of Anna Crossing Partners, LP, a Texas limited partnership (the "Partnership"), and other related documents;

3. Cause the Partnership to enter into development financing for the Project; and

4. Cause VCDC and/or the General Partner and/or the Partnership to execute any such further documentation as necessary or desirable to allow the consummation of the transactions described herein.

WHEREAS, VCDC is the sole member of the General Partner;

WHEREAS, the General Partner is the sole general partner of the Partnership;

WHEREAS, the Partnership was formed for the purpose of owning, developing, managing, and otherwise dealing with Waterview Apartments, a 300-unit apartment complex (the "**Project**") under development on a parcel of land located in the City of Anna, Collin County, Texas (the "**Land**"), and intended for rental to persons of low and moderate income;

WHEREAS, in connection with the development of the Project, the Partnership desires to obtain site control of the Land from HATT, by entering into a ground lease ("**Ground Lease**") with HATT for the Project;

WHEREAS, VCDC, the General Partner and Partnership desire to enter into certain equity documents for the purpose of admitting an affiliate of Stratford Capital Group (the "**Investor Limited Partner**"), and Anna Crossing Partners SLP LP (the "**Special Limited Partner**"), as limited partners to the Partnership, including an Amended and Restated Agreement of Limited Partnership for the Partnership (the "**Partnership Agreement**") and certain other documents related thereto (collectively, the "**Equity Documents**");

WHEREAS, Texas Home Collaborative (the "**Governmental Lender**") has approved the issuance of its Multifamily Housing Governmental Notes (Waterview Apartments) Series 2021A and Series 2021B (collectively, the "**Governmental Notes**") in the aggregate original principal amount not to exceed $48,000,000, pursuant to and in accordance with the terms of a Funding Loan Agreement (the "**Funding Loan Agreement**") by and between the Governmental Lender, BOKF, NA, as fiscal agent (the "**Fiscal Agent**") and Citibank, N.A. as the funding lender; and the proceeds of the sale of the Governmental Notes will be loaned to the Partnership as construction financing for the development of the Project, pursuant to a Borrower Loan Agreement by and between the Governmental Lender and the Partnership (the "**Borrower Loan Agreement**").

WHEREAS, in connection with the Borrower Loan Agreement, the Governmental Notes and the Funding Loan Agreement, the Partnership desires to enter into a tax regulatory agreement, and other related certifications and documents, including but not limited to guaranties, indemnities, assignments and agreements, all upon such terms and conditions as the Partnership deems reasonable (collectively, the "**Bond Loan Documents**");

WHEREAS, the Partnership desires to obtain an additional taxable loan from Citibank, N.A., a national banking association, which shall be used for the development of the Project and shall not exceed $12,000,000.00 (the "**Citi Loan**") and in connection therewith, Citi will require the Partnership to execute a promissory note, loan agreement, deed of trust, assignments, and other documents evidencing and/or securing the Citi Loan (the, "**Citi Documents**");

WHEREAS, in connection with the transactions contemplated herein, the Partnership, General Partner and/or VCDC are required to enter into various documents which will evidence the same, including, but not limited to the Ground Lease, Partnership Agreement, Equity Documents, Bond Loan Documents, Citi Documents and other promissory notes, deeds of trust, security agreements, fixture filing statements, indemnity agreements, guaranties, development agreements, certificates, directions, approvals, waivers, notices, instruments and other communications as may be required by any of the financing parties referenced above (all of such documents collectively, the "**Financing Documents**");

NOW, BE IT RESOLVED, that all of the documents, instruments, or other writing executed by VCDC (both individually and in a representative capacity as identified in these resolutions), in consummation of the transactions herein described (both individually and in a representative capacity as identified in these resolutions), including, but not limited to, (i) the Financing Documents and (ii) any and all such additional documents executed to consummate the transactions contemplated herein (collectively, the "**Transaction Documents**") shall be in form and substance approved by the Executing Officer (as such term is hereinafter defined), both individually and in a representative capacity as identified in these resolutions, his/her approval of each such instrument to be conclusively evidenced by his execution thereof; and it is further,

RESOLVED, that VCDC (both individually and in a representative capacity as identified in these resolutions), review, execute and approve all other documents necessary to effectuate the foregoing transactions, all on such terms and containing such provisions as the Executing Officer shall deem appropriate, and the approval of the terms of each such instrument herein described by the Executing Officer shall be conclusively evidenced by his/her execution and delivery thereof; and it is further

RESOLVED that the authorization of VCDC, Partnership and/or General Partner to enter into the Transaction Documents and that execution and delivery in the name and on behalf of VCDC and/or General Partner and/or the Partnership, by any of the officers of VCDC of the Transaction Documents, in the form as so executed and delivered is hereby approved, ratified and confirmed; and it is further

RESOLVED, that any officer of VCDC (each an "**Executing Officer**"), acting alone without the joinder of any other officer, is hereby authorized and directed for and on behalf, and as the act and deed of VCDC and/or General Partner and/or the Partnership, to execute and deliver all other documents and other writings of every nature whatsoever in connection with the development of the Project, including but not limited to, the Transaction Documents, as the Executing Officer deems necessary in order to carry into effect the intent and purposes of these resolutions, and any other instruments approved by the Executing Officer (acting in a representative capacity as identified in these resolutions, acting individually and on behalf of the General Partner, acting on its own behalf or on behalf of the Partnership), executing same, his/her approval of each such instrument to be conclusively evidenced by his/her execution thereof, and to take such other action in the consummation of the transactions herein contemplated as the

Executing Officer acting shall deem to be necessary or advisable, without the necessity of attestation by the secretary or other officer or director, and any and all acts heretofore taken by the Executing Officer to such end are hereby expressly ratified and confirmed as the acts and deeds of VCDC and/or General Partner and/or Partnership, effective as of the date such action was taken; and it is further

RESOLVED, that action by any of any Executing Officer of VCDC, and any person or persons designated and authorized so to act by any such officer, to do and perform, or cause to be done and performed, in the name and on behalf of VCDC and/or General Partner and/or the Partnership, or the execution and delivery, or causing to be executed and delivered, such other security agreements, financing statements, notices, requests, demands, directions, consents, approvals, waivers, acceptances, appointments, applications, certificates, agreements, supplements, amendments, further assurances or other instruments or communications, in the name and on behalf of VCDC and/or the General Partner and/or the Partnership or otherwise, as they, or any of them, may deem to be necessary or advisable in order to carry into effect the intent of the foregoing resolutions or to comply with the requirements of the instruments approved or authorized by the foregoing resolutions is hereby approved, ratified and confirmed; and it is further

RESOLVED, that the Board of Directors finds the actions authorized by these resolutions may reasonably be expected to directly or indirectly benefit VCDC; and it is further

RESOLVED, that the Partnership be promptly notified in writing by the Secretary or any other officer of VCDC or any change in these resolutions, and until it has actually received such notice in writing, the Partnership is authorized to act in pursuance of these resolutions.

PASSED this 22nd day of October, 2021.

CHAIR

ATTEST:

Secretary

TECHNICAL INFORMATION REPORT
WATER RIGHTS PERMITTING

This Report is required for applications for new or amended water rights. Based on the Applicant's responses below, Applicant are directed to submit additional Worksheets (provided herein). A completed Administrative Information Report is also required for each application.

Applicants are strongly encouraged to schedule a pre-application meeting with TCEQ Permitting Staff to discuss Applicant's needs and to confirm information necessary for an application prior to submitting such application. Please call Water Availability Division at (512) 239-4600 to schedule a meeting. Applicant attended a pre-application meeting with TCEQ Staff for this Application? **Y / N** y (If yes, date : 07/21/2021).

1. New or Additional Appropriations of State Water. Texas Water Code (TWC) § 11.121 (Instructions, Page. 12)

State Water is: *The water of the ordinary flow, underflow, and tides of every flowing river, natural stream, and lake, and of every bay or arm of the Gulf of Mexico, and the storm water, floodwater, and rainwater of every river, natural stream, canyon, ravine, depression, and watershed in the state. TWC § 11.021.*

a. Applicant requests a new appropriation (diversion or impoundment) of State Water? **Y / N** Y

b. Applicant requests an amendment to an existing water right requesting an increase in the appropriation of State Water or an increase of the overall or maximum combined diversion rate? **Y / N** N (If yes, indicate the Certificate or Permit number:)

If Applicant answered yes to (a) or (b) above, does Applicant also wish to be considered for a term permit pursuant to TWC § 11.1381? **Y / N** N

c. Applicant requests to extend an existing Term authorization or to make the right permanent? **Y / N** N (If yes, indicate the Term Certificate or Permit number:)

If Applicant answered yes to (a), (b) or (c), the following worksheets and documents are required:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir requested in the application)
- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for each diversion point and/or one worksheet for the upstream limit and one worksheet for the downstream limit of each diversion reach requested in the application)
- **Worksheet 5.0 – Environmental Information Worksheet**
- **Worksheet 6.0 – Water Conservation Information Worksheet**
- **Worksheet 7.0 – Accounting Plan Information Worksheet**
- **Worksheet 8.0 – Calculation of Fees**
- **Fees calculated on Worksheet 8.0** – see instructions **Page. 34.**
- **Maps** – See instructions **Page. 15**.
- **Photographs** - See instructions **Page. 30**.

Additionally, if Applicant wishes to submit an alternate source of water for the project/authorization, see Section 3, Page 3 for Bed and Banks Authorizations (Alternate sources may include groundwater, imported water, contract water or other sources).

Additional Documents and Worksheets may be required (see within).

2. Amendments to Water Rights. TWC § 11.122 (Instructions, Page. 12)

This section should be completed if Applicant owns an existing water right and Applicant requests to amend the water right. ***If Applicant is not currently the Owner of Record in the TCEQ Records, Applicant must submit a Change of Ownership Application (TCEQ-10204) prior to submitting the amendment Application or provide consent from the current owner to make the requested amendment. If the application does not contain consent from the current owner to make the requested amendment, TCEQ will not begin processing the amendment application until the Change of Ownership has been completed and will consider the Received Date for the application to be the date the Change of Ownership is completed.*** **See instructions page. 6.**

Water Right (Certificate or Permit) number you are requesting to amend: N/A

Applicant requests to sever and combine existing water rights from one or more Permits or Certificates into another Permit or Certificate? **Y / N**_____(if yes, complete chart below):

List of water rights to sever	Combine into this ONE water right

a. Applicant requests an amendment to an existing water right to increase the amount of the appropriation of State Water (diversion and/or impoundment)? **Y / N**_____

If yes, application is a new appropriation for the increased amount, complete ***Section 1 of this Report (PAGE. 1) regarding New or Additional Appropriations of State Water.***

b. Applicant requests to amend existing Term authorization to extend the term or make the water right permanent (remove conditions restricting water right to a term of years)? **Y / N**

If yes, application is a new appropriation for the entire amount, complete ***Section 1 of this Report (PAGE. 1) regarding New or Additional Appropriations of State Water.***

c. Applicant requests an amendment to change the purpose or place of use or to add an additional purpose or place of use to an existing Permit or Certificate? **Y / N**_____
If yes, submit:
   - **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
   - **Worksheet 1.2 - Notice: "Marshall Criteria"**

d. Applicant requests to change: diversion point(s); or reach(es); or diversion rate? **Y / N**____
If yes, submit:
   - **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for each diversion point or one worksheet for the upstream limit and one worksheet for the downstream limit of each diversion reach)
   - **Worksheet 5.0 – Environmental Information** (Required for <u>any</u> new diversion points that are not already authorized in a water right)

e. Applicant requests amendment to add or modify an impoundment, reservoir, or dam? **Y / N**____

If yes, submit: **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir)

f. Other - Applicant requests to change any provision of an authorization not mentioned above? **Y / N**_____*If yes, call the Water Availability Division at (512) 239-4600 to discuss.*

Additionally, all amendments require:

- **Worksheet 8.0 – Calculation of Fees; and Fees calculated – see instructions Page. 34**
- **Maps – See instructions Page. 15.**
- **Additional Documents and Worksheets may be required (see within).**

3. Bed and Banks. TWC § 11.042 (Instructions, Page 13)

a. Pursuant to contract, Applicant requests authorization to convey, stored or conserved water to the place of use or diversion point of purchaser(s) using the bed and banks of a watercourse? TWC § 11.042(a). **Y / N**_____

If yes, submit a signed copy of the Water Supply Contract pursuant to 30 TAC §§ 295.101 and 297.101. Further, if the underlying Permit or Authorization upon which the Contract is based does not authorize Purchaser's requested Quantity, Purpose or Place of Use, or Purchaser's diversion point(s), then either:

1. *Purchaser must submit the worksheets required under Section 1 above with the Contract Water identified as an alternate source; or*
2. *Seller must amend its underlying water right under Section 2.*

b. Applicant requests to convey water imported into the state from a source located wholly outside the state using the bed and banks of a watercourse? TWC § 11.042(a-1). **Y / N**

If yes, submit: worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps and fees from the list below.

c. Applicant requests to convey Applicant's own return flows derived from privately owned groundwater using the bed and banks of a watercourse? TWC § 11.042(b). **Y / N**

If yes, submit: worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps, and fees from the list below.

d. Applicant requests to convey Applicant's own return flows derived from surface water using the bed and banks of a watercourse? TWC § 11.042(c). **Y / N**

If yes, submit: worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0, 8.0, Maps, and fees from the list below.

Please note, if Applicant requests the reuse of return flows belonging to others, the Applicant will need to submit the worksheets and documents under Section 1 above, as the application will be treated as a new appropriation subject to termination upon direct or indirect reuse by the return flow discharger/owner.

e. Applicant requests to convey water from any other source, other than (a)-(d) above, using the bed and banks of a watercourse? TWC § 11.042(c). **Y / N**_____

If yes, submit: worksheets 1.0, 2.0, 3.0, 4.0, 5.0, 7.0, 8.0, Maps, and fees from the list below.

Worksheets and information:

- **Worksheet 1.0 – Quantity, Purpose, and Place of Use Information Worksheet**
- **Worksheet 2.0 - Impoundment/Dam Information Worksheet** (submit one worksheet for each impoundment or reservoir owned by the applicant through which water will be conveyed or diverted)
- **Worksheet 3.0 - Diversion Point Information Worksheet** (submit one worksheet for the downstream limit of each diversion reach for the proposed conveyances)
- **Worksheet 4.0 – Discharge Information Worksheet** (for each discharge point)

- **Worksheet 5.0 – Environmental Information Worksheet**
- **Worksheet 6.0 – Water Conservation Information Worksheet**
- **Worksheet 7.0 – Accounting Plan Information Worksheet**
- **Worksheet 8.0 – Calculation of Fees; and Fees calculated – see instructions Page. 34**
- **Maps** – See instructions **Page. 15**.
- **Additional Documents and Worksheets may be required (see within).**

4. General Information, Response Required for all Water Right Applications (Instructions, Page 15)

a. Provide information describing how this application addresses a water supply need in a manner that is consistent with the state water plan or the applicable approved regional water plan for any area in which the proposed appropriation is located or, in the alternative, describe conditions that warrant a waiver of this requirement (*not required for applications to use groundwater-based return flows*). Include citations or page numbers for the State and Regional Water Plans, if applicable. Provide the information in the space below or submit a supplemental sheet entitled "Addendum Regarding the State and Regional Water Plans":

The city of Anna is located in Collin County, which is part of Region C of the State's water plan. The water plan for Region C does not have specific groundwater requirements. This plan is consistent with the 2021 Region C Water Plan and the 2017 State Water Plan because there is nothing in the plans that conflict with the application.

b. Did the Applicant perform its own Water Availability Analysis? **Y** / (**N**)_____

If the Applicant performed its own Water Availability Analysis, provide electronic copies of any modeling files and reports.

C. Does the application include required Maps? (Instructions **Page. 15**) (**Y**) / **N**_____

WORKSHEET 1.0
Quantity, Purpose and Place of Use

1. New Authorizations (Instructions, Page. 16)

Submit the following information regarding quantity, purpose and place of use for requests for new or additional appropriations of State Water or Bed and Banks authorizations:

Quantity (acre-feet) (*Include losses for Bed and Banks*)	**State Water Source (River Basin) or Alternate Source** *each *alternate source* (*and new appropriation based on return flows of others*) *also requires completion of Worksheet 4.0*	**Purpose(s) of Use**	**Place(s) of Use** **requests to move state water out of basin also require completion of Worksheet 1.1 Interbasin Transfer*
8.77	Groundwater from Proposed Well	Irrigation	Existing ponds
9.92	Groundwater from Proposed Well	Recreation (evap)	Existing ponds

Evaporation quantity based on record evaporation provided by the Army Corps of Engineers for Lavon Lake (see worksheet 7). Irrigation was assumed 3 days per week (1/3" per day) 10 hours per day. Irrigation calculations were calculated via the AgriLIFE extension and provided by James Pole Irrigation Consultants. See attached.

18.69 Total amount of water (in acre-feet) to be used annually (*include losses for Bed and Banks applications*)

If the Purpose of Use is Agricultural/Irrigation for any amount of water, provide:

a. Location Information Regarding the Lands to be Irrigated

i) Applicant proposes to irrigate a total of 3.44 acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of 20.8 acres in Collin County, TX.

ii) Location of land to be irrigated: In the Granderson Stark Original Survey No. _____, Abstract No. 798.

A copy of the deed(s) or other acceptable instrument describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds.
If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.

Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

2. Amendments - Purpose or Place of Use (Instructions, Page. 12)

a. Complete this section for each requested amendment changing, adding, or removing Purpose(s) or Place(s) of Use, complete the following: N/A

Quantity (acre-feet)	Existing Purpose(s) of Use	Proposed Purpose(s) of Use*	Existing Place(s) of Use	Proposed Place(s) of Use**

**If the request is to add additional purpose(s) of use, include the existing and new purposes of use under "Proposed Purpose(s) of Use."*

***If the request is to add additional place(s) of use, include the existing and new places of use under "Proposed Place(s) of Use."*

Changes to the purpose of use in the Rio Grande Basin may require conversion. 30 TAC § 303.43.

b. For any request which adds Agricultural purpose of use or changes the place of use for Agricultural rights, provide the following location information regarding the lands to be irrigated:

i. Applicant proposes to irrigate a total of_____acres in any one year. This acreage is all of or part of a larger tract(s) which is described in a supplement attached to this application and contains a total of_____acres in_____ County, TX.

ii. Location of land to be irrigated: In the_____Original Survey No. _____, Abstract No._798_____.

A copy of the deed(s) describing the overall tract(s) with the recording information from the county records must be submitted. Applicant's name must match deeds. If the Applicant is not currently the sole owner of the lands to be irrigated, Applicant must submit documentation evidencing consent or other legal right for Applicant to use the land described.

Water Rights for Irrigation may be appurtenant to the land irrigated and convey with the land unless reserved in the conveyance. 30 TAC § 297.81.

c. Submit Worksheet 1.1, Interbasin Transfers, for any request to change the place of use which moves State Water to another river basin.

d. See Worksheet 1.2, Marshall Criteria, and submit if required.

e. See Worksheet 6.0, Water Conservation/Drought Contingency, and submit if required.

Irrigation Calculation

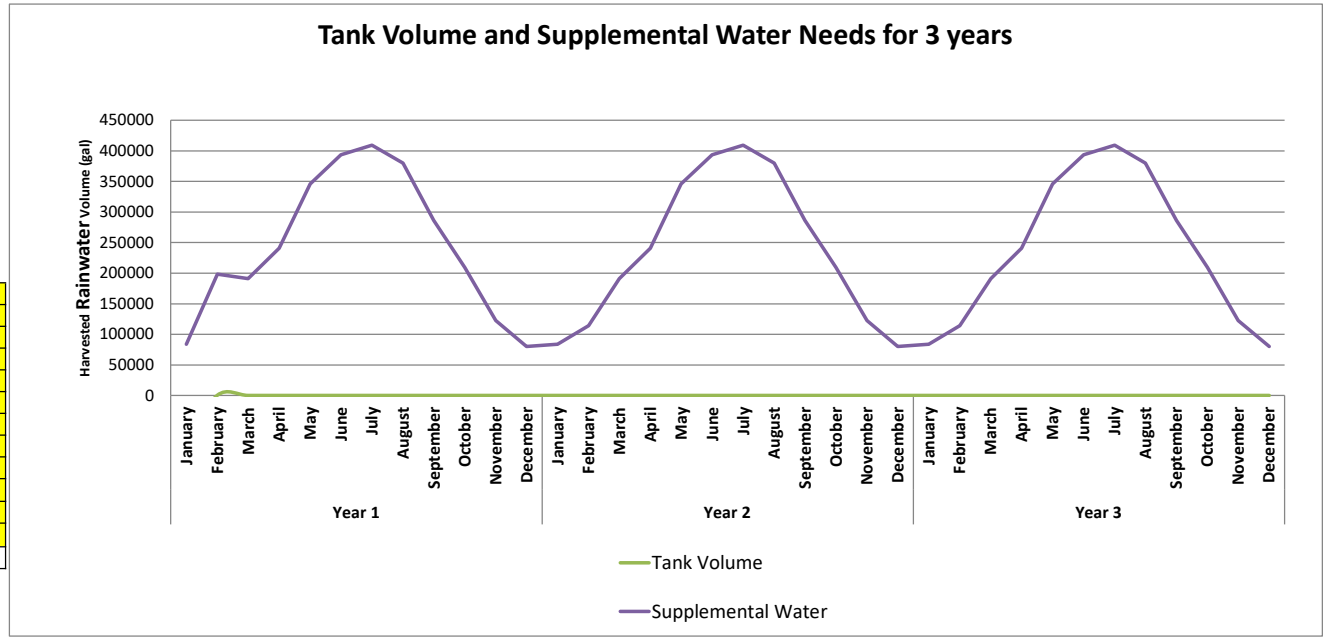
Texas AgriLife Extension Service Rainwater Harvesting Calculator

To use the calculator fill in all highlighted input values.

Input Values	
Catchment area (ft^2):	0
Collection efficiency (%):	95
Initial tank volume (gal):	0
Tank size (gal):	0
Plant water use coeff:	0.5
Irrigated area (ft^2):	150000
Monthly indoor demand (gal):	0

Avg. monthly rainfall (in)		AC Condensate (gal)
January:	2.03	0
February:	2.26	0
March:	2.77	0
April:	4.5	0
May:	4.61	0
June:	3.07	0
July:	2.09	0
August:	2.16	0
September:	3.36	0
October:	3.47	0
November:	2.31	0
December:	2.31	0
Total:	34.94	0

Yearly Percent Average Rainfall (%)	
Year 1:	80%
Year 2:	80%
Year 3:	80%



AgriLIFE EXTENSION
Texas A&M System

Calculations

		Demand	Tank Volume	Supplemental Water
Year 1	January	84105	-84105	84105
	February	114476	0	198581
	March	191105	0	191105
	April	240634	0	240634
	May	346232	0	346232
	June	393425	0	393425
	July	409311	0	409311
	August	379874	0	379874
	September	286424	0	286424
	October	209795	0	209795
	November	122420	0	122420
	December	80367	0	80367
Year 2	January	84105	0	84105
	February	114476	0	114476
	March	191105	0	191105
	April	240634	0	240634
	May	346232	0	346232
	June	393425	0	393425
	July	409311	0	409311
	August	379874	0	379874
	September	286424	0	286424
	October	209795	0	209795
	November	122420	0	122420
	December	80367	0	80367
Year 3	January	84105	0	84105
	February	114476	0	114476
	March	191105	0	191105
	April	240634	0	240634
	May	346232	0	346232
	June	393425	0	393425
	July	409311	0	409311
	August	379874	0	379874
	September	286424	0	286424
	October	209795	0	209795
	November	122420	0	122420
	December	80367	0	80367
				2858168
		2858168		

	Evapotranspiration (inches)	*Plant water use Coefficient*	*Plant water needs in Inches*	*Gallons per square foot*	*Square Footage of Landscape*	*Total Landscaping water Demand in gallons*
January	1.80	0.5	0.90	0.56	150000	84105
February	2.45	0.5	1.23	0.76	150000	114476
March	4.09	0.5	2.05	1.27	150000	191105
April	5.15	0.5	2.58	1.60	150000	240634
May	7.41	0.5	3.71	2.31	150000	346232
June	8.42	0.5	4.21	2.62	150000	393425
July	8.76	0.5	4.38	2.73	150000	409311
August	8.13	0.5	4.07	2.53	150000	379874
September	6.13	0.5	3.07	1.91	150000	286424
October	4.49	0.5	2.25	1.40	150000	209795
November	2.62	0.5	1.31	0.82	150000	122420
December	1.72	0.5	0.86	0.54	150000	80367

WORKSHEET 1.1
INTERBASIN TRANSFERS, TWC § 11.085

Worksheet 1.1 is not applicable for this development.

Submit this worksheet for an application for a new or amended water right which requests to transfer State Water from its river basin of origin to use in a different river basin. A river basin is defined and designated by the Texas Water Development Board by rule pursuant to TWC § 16.051.

Applicant requests to transfer State Water to another river basin within the State? **Y / N**_____

1. Interbasin Transfer Request (Instructions, Page. 20)

a. Provide the Basin of Origin._____

b. Provide the quantity of water to be transferred (acre-feet)._____

c. Provide the Basin(s) and count(y/ies) where use will occur in the space below:

_____

2. Exemptions (Instructions, Page. 20), TWC § 11.085(v)

Certain interbasin transfers are exempt from further requirements. Answer the following:

a. The proposed transfer, which in combination with any existing transfers, totals less than 3,000 acre-feet of water per annum from the same water right. **Y/N**_

b. The proposed transfer is from a basin to an adjoining coastal basin? **Y/N**___

c. The proposed transfer from the part of the geographic area of a county or municipality, or the part of the retail service area of a retail public utility as defined by Section 13.002, that is within the basin of origin for use in that part of the geographic area of the county or municipality, or that contiguous part of the retail service area of the utility, not within the basin of origin? **Y/N**__

d. The proposed transfer is for water that is imported from a source located wholly outside the boundaries of Texas, except water that is imported from a source located in the United Mexican States? **Y/N**__

3. Interbasin Transfer Requirements (Instructions, Page. 20)

For each Interbasin Transfer request that is not exempt under any of the exemptions listed above Section 2, provide the following information in a supplemental attachment titled "Addendum to Worksheet 1.1, Interbasin Transfer":

a. the contract price of the water to be transferred (if applicable) (also include a copy of the contract or adopted rate for contract water);

b. a statement of each general category of proposed use of the water to be transferred and a detailed description of the proposed uses and users under each category;

c. the cost of diverting, conveying, distributing, and supplying the water to, and treating the water for, the proposed users (example - expert plans and/or reports documents may be provided to show the cost);

Worksheet 1.1 is not applicable for this development.

d. describe the need for the water in the basin of origin and in the proposed re based on the period for which the water supply is requested, but not to exce (the need can be identified in the most recently approved regional water plans. The state and regional water plans are available for download at this website: (http://www.twdb.texas.gov/waterplanning/swp/index.asp);

e. address the factors identified in the applicable most recently approved regional water plans which address the following:

(i) the availability of feasible and practicable alternative supplies in the receiving basin to the water proposed for transfer;
(ii) the amount and purposes of use in the receiving basin for which water is needed;

(iii) proposed methods and efforts by the receiving basin to avoid waste and implement water conservation and drought contingency measures;

(iv) proposed methods and efforts by the receiving basin to put the water proposed for transfer to beneficial use;

(v) the projected economic impact that is reasonably expected to occur in each basin as a result of the transfer; and

(vi) the projected impacts of the proposed transfer that are reasonably expected to occur on existing water rights, instream uses, water quality, aquatic and riparian habitat, and bays and estuaries that must be assessed under Sections 11.147, 11.150, and 11.152 in each basin *(if applicable*). If the water sought to be transferred is currently authorized to be used under an existing permit, certified filing, or certificate of adjudication, such impacts shall only be considered in relation to that portion of the permit, certified filing, or certificate of adjudication proposed for transfer and shall be based on historical uses of the permit, certified filing, or certificate of adjudication for which amendment is sought;

f. proposed mitigation or compensation, if any, to the basin of origin by the applicant; and

g. the continued need to use the water for the purposes authorized under the existing Permit, Certified Filing, or Certificate of Adjudication, if an amendment to an existing water right is sought.

Worksheet 1.2 is not applicable for this development.

WORKSHEET 1.2
NOTICE. "THE MARSHALL CRITERIA"

This worksheet assists the Commission in determining notice required for certain **amendments** that do not already have a specific notice requirement in a rule for that type of amendment, and *that do not change the amount of water to be taken or the diversion rate*. The worksheet provides information that Applicant **is required** to submit for such amendments which include changes in use, changes in place of use, or other non-substantive changes in a water right (such as certain amendments to special conditions or changes to off-channel storage). These criteria address whether the proposed amendment will impact other water right holders or the on-stream environment beyond and irrespective of the fact that the water right can be used to its full authorized amount.

*This worksheet is **not required for Applications in the Rio Grande Basin** requesting changes in the purpose of use, rate of diversion, point of diversion, and place of use for water rights held in and transferred within and between the mainstems of the Lower Rio Grande, Middle Rio Grande, and Amistad Reservoir. See 30 TAC § 303.42.*

*This worksheet is **not required for amendments which are only changing or adding diversion points, or request only a bed and banks authorization or an IBT authorization**. However, Applicants may wish to submit the Marshall Criteria to ensure that the administrative record includes information supporting each of these criteria*

1. The "Marshall Criteria" (Instructions, Page. 21)

Submit responses on a supplemental attachment titled "Marshall Criteria" in a manner that conforms to the paragraphs (a) – (g) below:

a. Administrative Requirements and Fees. Confirm whether application meets the administrative requirements for an amendment to a water use permit pursuant to TWC Chapter 11 and Title 30 Texas Administrative Code (TAC) Chapters 281, 295, and 297. An amendment application should include, but is not limited to, a sworn application, maps, completed conservation plan, fees, etc.

b. Beneficial Use. Discuss how proposed amendment is a beneficial use of the water as defined in TWC § 11.002 and listed in TWC § 11.023. Identify the specific proposed use of the water (e.g., road construction, hydrostatic testing, etc.) for which the amendment is requested.

c. Public Welfare. Explain how proposed amendment is not detrimental to the public welfare. Consider any public welfare matters that might be relevant to a decision on the application. Examples could include concerns related to the well-being of humans and the environment.

d. Groundwater Effects. Discuss effects of proposed amendment on groundwater or groundwater recharge.

e. State Water Plan. Describe how proposed amendment addresses a water sup... manner that is consistent with the state water plan or the applicable approv... plan for any area in which the proposed appropriation is located or, in the a... describe conditions that warrant a waiver of this requirement. The state and... plans are available for download at: http://www.twdb.texas.gov/waterplanning/swp/index.asp.

Worksheet 1.2 is not applicable for this development.

f. Waste Avoidance. Provide evidence that reasonable diligence will be used to avoid waste and achieve water conservation as defined in TWC § 11.002. Examples of evidence could include, but are not limited to, a water conservation plan or, if required, a drought contingency plan, meeting the requirements of 30 TAC Chapter 288.

g. Impacts on Water Rights or On-stream Environment. Explain how proposed amendment will not impact other water right holders or the on-stream environment beyond and irrespective of the fact that the water right can be used to its full authorized amount.

WORKSHEET 2.0
Impoundment/Dam Information

This worksheet **is required** for any impoundment, reservoir and/or dam. Submit an additional Worksheet 2.0 for each impoundment or reservoir requested in this application.

If there is more than one structure, the numbering/naming of structures should be consistent throughout the application and on any supplemental documents (e.g. maps).

1. Storage Information (Instructions, Page. 21)

a. Official USGS name of reservoir, if applicable: EXISTING FARM POND A- NO OFFICAL NAME

b. Provide amount of water (in acre-feet) impounded by structure at normal maximum operating level: 3.30 ac-ft.

c. The impoundment is on-channel x or off-channel _____ (mark one)

i. Applicant has verified on-channel or off-channel determination by contacting Surface Water Availability Team at (512) 239-4600? **Y** / **N**

ii. If on-channel, will the structure have the ability to pass all State Water inflows that Applicant does not have authorization to impound? **Y** / **N**

d. Is the impoundment structure already constructed? **Y** / **N**

New dam will replace existing dam. Date of construction of existing dam is unknown and dam was assumed to be an exempt structure for agriculture. No proposed increase in impoundment (small decrease).

i. For already constructed **on-channel** structures:

1. Date of Construction: _____

2. Was it constructed to be an exempt structure under TWC § 11.142? **Y** / **N**
   a. If Yes, is Applicant requesting to proceed under TWC § 11.143? **Y** / **N**
   b. If No, has the structure been issued a notice of violation by TCEQ? **Y** / **N**

3. Is it a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure? **Y** / **N**
   a. If yes, provide the Site No. _____ and watershed project name _____;
   b. Authorization to close "ports" in the service spillway requested? **Y** / **N**

ii. For **any** proposed new structures or modifications to structures:

1. Applicant **must** contact TCEQ Dam Safety Section at (512) 239-0326, *prior to submitting an Application.* Applicant has contacted the TCEQ Dam Safety Section regarding the submission requirements of 30 TAC, Ch. 299? **Y** / **N**
   Provide the date and the name of the Staff Person Warren Samuelson 6/7/21

2. As a result of Applicant's consultation with the TCEQ Dam Safety Section, TCEQ has confirmed that:
   a. No additional dam safety documents required with the Application. **Y** / **N**
   b. Plans (with engineer's seal) for the structure required. **Y** / **N**
   c. Engineer's signed and sealed hazard classification required. **Y** / **N**
   d. Engineer's statement that structure complies with 30 TAC, Ch. 299 Rules required. **Y** / **N**

3. Applicants **shall** give notice by certified mail to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir to be constructed, will be located. (30 TAC § 295.42). Applicant must submit a copy of all the notices and certified mailing cards with this Application. Notices and cards are included? **Y / N**___ Not required since there is an existing dam that is being replaced.

iii. Additional information required for **on-channel** storage:

1. Surface area (in acres) of on-channel reservoir at normal maximum operating level: 0.72 acres.

2. Based on the Application information provided, Staff will calculate the drainage area above the on-channel dam or reservoir. If Applicant wishes to also calculate the drainage area they may do so at their option.
Applicant has calculated the drainage area. **Y** / **N**_____
If yes, the drainage area is 0.28 sq. miles.
(*If assistance is needed, call the Surface Water Availability Team prior to submitting the application, (512) 239-4600).*

2. Structure Location (Instructions, Page. 23)

a. On Watercourse (if on-channel) (USGS name): Unnamed tributary to Slayter Creek

b. Zip Code: 75409

c. In the Granderson Stark Original Survey No._____, Abstract No. 798, Collin County, Texas.

* ***A copy of the deed(s) with the recording information from the county records must be submitted describing the tract(s) that include the structure and all lands to be inundated.***

*****If the Applicant is not currently the sole owner of the land on which the structure is or will be built and sole owner of all lands to be inundated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.***

d. A point on the centerline of the dam (on-channel) or anywhere within the impoundment (off-channel) is:

Latitude 33.339986 °N, Longitude 96.554769 °W.

****Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places***

di. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): Civil 3d

dii. Map submitted which clearly identifies the Impoundment, dam (where applicable), and the lands to be inundated. See instructions Page. 15. **Y** / **N**_____

WORKSHEET 2.0
Impoundment/Dam Information

This worksheet **is required** for any impoundment, reservoir and/or dam. Submit an additional Worksheet 2.0 for each impoundment or reservoir requested in this application.

If there is more than one structure, the numbering/naming of structures should be consistent throughout the application and on any supplemental documents (e.g. maps).

1. Storage Information (Instructions, Page. 21)

a. Official USGS name of reservoir, if applicable EXISTING FARM POND B- NO OFFICAL NAME

b. Provide amount of water (in acre-feet) impounded by structure at normal maximum operating level: 1.35 ac-ft.

c. The impoundment is on-channel x or off-channel _____(mark one)

i. Applicant has verified on-channel or off-channel determination by contacting Surface Water Availability Team at (512) 239-4600? **Y** / (N)

ii. If on-channel, will the structure have the ability to pass all State Water inflows that Applicant does not have authorization to impound? (Y) / **N**__

d. Is the impoundment structure already constructed? (Y) / **N**____

i. For already constructed **on-channel** structures:

1. Date of Construction: UNKNOWN

2. Was it constructed to be an exempt structure under TWC § 11.142? (Y) / **N**___
   a. If Yes, is Applicant requesting to proceed under TWC § 11.143? (Y) / **N**____
   b. If No, has the structure been issued a notice of violation by TCEQ? **Y / N**_____

3. Is it a U.S. Natural Resources Conservation Service (NRCS) (formerly Soil Conservation Service (SCS)) floodwater-retarding structure? **Y** / (N)___
   a. If yes, provide the Site No._____and watershed project name_____;
   b. Authorization to close "ports" in the service spillway requested? **Y / N**___

ii. For **any** proposed new structures or modifications to structures:

1. Applicant **must** contact TCEQ Dam Safety Section at (512) 239-0326, *prior to submitting an Application.* Applicant has contacted the TCEQ Dam Safety Section regarding the submission requirements of 30 TAC, Ch. 299? **Y / N**_____ Provide the date and the name of the Staff Person_____

2. As a result of Applicant's consultation with the TCEQ Dam Safety Section, TCEQ has confirmed that:
   a. No additional dam safety documents required with the Application. **Y / N**_____
   b. Plans (with engineer's seal) for the structure required. **Y / N**_____
   c. Engineer's signed and sealed hazard classification required. **Y / N**_____
   d. Engineer's statement that structure complies with 30 TAC, Ch. 299 Rules required. **Y / N**___

3. Applicants **shall** give notice by certified mail to each member of the governing body of each county and municipality in which the reservoir, or any part of the reservoir to be constructed, will be located. (30 TAC § 295.42). Applicant must submit a copy of all the notices and certified mailing cards with this Application. Notices and cards are included? **Y / N**____

iii. Additional information required for **on-channel** storage:

1. Surface area (in acres) of on-channel reservoir at normal maximum operating level: 0.72 acres.

2. Based on the Application information provided, Staff will calculate the drainage area above the on-channel dam or reservoir. If Applicant wishes to also calculate the drainage area they may do so at their option.
Applicant has calculated the drainage area. **Y**/**N**_____
If yes, the drainage area is 0.28 sq. miles.
(*If assistance is needed, call the Surface Water Availability Team prior to submitting the application, (512) 239-4600).*

2. Structure Location (Instructions, Page. 23)

a. On Watercourse (if on-channel) (USGS name): Unnamed tributary to Slayter Creek

b. Zip Code: 75409

c. In the Granderson Stark Original Survey No._____, Abstract No. 798, Collin County, Texas.

* ***A copy of the deed(s) with the recording information from the county records must be submitted describing the tract(s) that include the structure and all lands to be inundated.***

*****If the Applicant is not currently the sole owner of the land on which the structure is or will be built and sole owner of all lands to be inundated, Applicant must submit documentation evidencing consent or other documentation supporting Applicant's right to use the land described.***

d. A point on the centerline of the dam (on-channel) or anywhere within the impoundment (off-channel) is:

Latitude 33.339836 °N, Longitude 96.554183 °W.

****Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places***

di. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): Civil 3d

dii. Map submitted which clearly identifies the Impoundment, dam (where applicable), and the lands to be inundated. See instructions Page. 15. **Y** / **N**_____

WORKSHEET 3.0
DIVERSION POINT (OR DIVERSION REACH) INFORMATION

This worksheet **is required** for each diversion point or diversion reach. Submit one Worksheet 3.0 for **each** diversion point and two Worksheets for **each** diversion reach (one for the upstream limit and one for the downstream limit of each diversion reach).

The numbering of any points or reach limits should be consistent throughout the application and on supplemental documents (e.g. maps).

1. Diversion Information (Instructions, Page. 24)

a. This Worksheet is to add new (select 1 of 3 below):

1. 1 Diversion Point No.
2. ____Upstream Limit of Diversion Reach No.
3. ____Downstream Limit of Diversion Reach No.

b. Maximum Rate of Diversion for **this new point**_____cfs (cubic feet per second) or 60 gpm (gallons per minute)

c. Does this point share a diversion rate with other points? **Y** / **N**_____
*If yes, submit Maximum **Combined** Rate of Diversion for all points/reaches*_____cfs or_____gpm

d. For amendments, is Applicant seeking to increase combined diversion rate? **Y / N**_____

*** An increase in diversion rate is considered a new appropriation and would require completion of Section 1, New or Additional Appropriation of State Water.*

e. Check (√) the appropriate box to indicate diversion location and indicate whether the diversion location is existing or proposed):

Check one		Write: Existing or Proposed
✓	Directly from stream	
	From an on-channel reservoir	Proposed
	From a stream to an on-channel reservoir	
	Other method (explain fully, use additional sheets if necessary)	

f. Based on the Application information provided, Staff will calculate the drainage area above the diversion point (or reach limit). If Applicant wishes to also calculate the drainage area, you may do so at their option.

Applicant has calculated the drainage area. **Y** / **N**_____

If yes, the drainage area is 0.28 acres sq. miles.
(*If assistance is needed, call the Surface Water Availability Team at (512) 239-4600, prior to submitting application*)

2. Diversion Location (Instructions, Page 25)

a. On watercourse (USGS name): Unnamed tributary to Slayter Creek

b. Zip Code: 75231

c. Location of point: In the Granderson Stark Original Survey No. _____, Abstract No. 798, Collins County, Texas.

A copy of the deed(s) with the recording information from the county records must be submitted describing tract(s) that include the diversion structure.

For diversion reaches, the Commission cannot grant an Applicant access to property that the Applicant does not own or have consent or a legal right to access, the Applicant will be required to provide deeds, or consent, or other documents supporting a legal right to use the specific points when specific diversion points within the reach are utilized. Other documents may include, but are not limited to: a recorded easement, a land lease, a contract, or a citation to the Applicant's right to exercise eminent domain to acquire access.

d. Point is at:

Latitude 33.339836 °N, Longitude 96.554183 °W.

Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal places

Point is at center of dam for Pond B- actual diversion location to be located anywhere around the perimeter of the pond

e. Indicate the method used to calculate the location (examples: Handheld GPS Device, GIS, Mapping Program): Civil 3d

f. Map submitted must clearly identify each diversion point and/or reach. See instructions Page. 38.

map is included

g. If the Plan of Diversion is complicated and not readily discernable from looking at the map, attach additional sheets that fully explain the plan of diversion.

diversion from any point on perimeter- shown on map

WORKSHEET 4.0
DISCHARGE INFORMATION

This worksheet required for any requested authorization to discharge water into a State Watercourse for conveyance and later withdrawal or in-place use. Worksheet 4.1 is also required for each Discharge point location requested. **Instructions Page. 26.** ***Applicant is responsible for obtaining any separate water quality authorizations which may be required and for insuring compliance with TWC, Chapter 26 or any other applicable law.***

a. The purpose of use for the water being discharged will be to replace water lost from evaporation and irrigation.

b. Provide the amount of water that will be lost to transportation, evaporation, seepage, channel or other associated carriage losses 0 % and explain the method of calculation: discharge will be from well, directly into online reservoir

Is the source of the discharged water return flows? **Y / N** N If yes, provide the following information:

1. The TPDES Permit Number(s)._____(attach a copy of the **current** TPDES permit(s))

2. Applicant is the owner/holder of each TPDES permit listed above? **Y / N**_____

PLEASE NOTE: If Applicant is not the discharger of the return flows, the application should be submitted under Section 1, New or Additional Appropriation of State Water, as a request for a new appropriation of state water. If Applicant is the discharger, then the application should be submitted under Section 3, Bed and Banks.

3. Monthly WWTP discharge data for the past 5 years in electronic format. (Attach and label as "Supplement to Worksheet 4.0").

4. The percentage of return flows from groundwater_____, surface water_____?

5. If any percentage is surface water, provide the base water right number(s)_____.

c. Is the source of the water being discharged groundwater? **Y / N** Y If yes, provide the following information:

1. Source aquifer(s) from which water will be pumped: Woodbine

2. Any 24 hour pump test for the well if one has been conducted. If the well has not been constructed, provide production information for wells in the same aquifer in the area of the application. See http://www.twdb.texas.gov/groundwater/data/gwdbrpt.asp. Additionally, provide well numbers or identifiers Well not constructed- see attached for nearby wells.

3. Indicate how the groundwater will be conveyed to the stream or reservoir.

4. A copy of the groundwater well permit if it is located in a Groundwater Conservation District (GCD) or evidence that a groundwater well permit is not required.
A permit will be obtained prior to construction.

ci. Is the source of the water being discharged a surface water supply contract? **Y / (N)**
If yes, provide the signed contract(s).

cii. Identify any other source of the water N/A

Well Data

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 18-44-202

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	1844202
County	Collin
River Basin	Trinity
Groundwater Management Area	8
Regional Water Planning Area	C - Region C
Groundwater Conservation District	North Texas GCD
Latitude (decimal degrees)	33.3488889
Latitude (degrees minutes seconds)	33° 20' 56" N
Longitude (decimal degrees)	-96.5477778
Longitude (degrees minutes seconds)	096° 32' 52" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	212WDBN - Woodbine Sand
Aquifer	Woodbine
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	712
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	1557
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	4/9/1976
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	GCD Current Observation Well
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Anna Well
Driller	J.L. Myers Company
Other Data Available	Aquifer Test; Drillers Log; Electric Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G0430027B
Groundwater Conservation District Well Number	
Owner Well Number	1
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	10/27/1976
Last Update Date	9/21/2021

Remarks	Measured yield 150 GPM with 138 feet drawdown after pumping 24 hours in 1976. Pumping level 637 feet. Recover test three hours. Pump set at 750 feet. Cemented from 0 to 1300 feet. Underreamed and gravel packed from 1300 to 1557 feet. Aquifer test data in TWDB files. Originally owner well # 2, but now well #1 after original well #1 was plugged.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
16	Blank	Steel			0	20
10	Blank	Steel			0	1300
6	Blank	Steel			1098	1300
6	Screen	Stainless Steel			1300	1328
6	Blank	Steel			1328	1335
6	Screen	Stainless Steel			1335	1356
6	Blank	Steel			1356	1360
6	Screen	Stainless Steel			1360	1365
6	Blank	Steel			1365	1430
6	Screen	Stainless Steel			1430	1456
6	Blank	Steel			1456	1496
6	Screen	Stainless Steel			1496	1506
6	Blank	Steel			1506	1512
6	Screen	Stainless Steel			1512	1526
6	Blank	Steel			1526	1557

Well Tests - No Data

Lithology

Top Depth (ft.)	Bottom Depth (ft.)	Description
0	2	SURFACE SOIL
2	422	AUSTIN CHALK ROCK
422	987	EAGLE FORD SHALE
987	1006	SAND
1006	1103	SHALE W/ SAND STRKS
1103	1110	SAND
1110	1122	SHALE
1122	1237	SANDY SHALE
1237	1282	SHALE
1282	1366	SAND W/ SHALE BREAKS
1366	1410	SHALE
1410	1456	SAND W/ SHALE BREAKS
1456	1492	SHALE
1492	1540	SAND W/ SHALE BREAKS
1540	1557	SHALE

Annular Seal Range - No Data

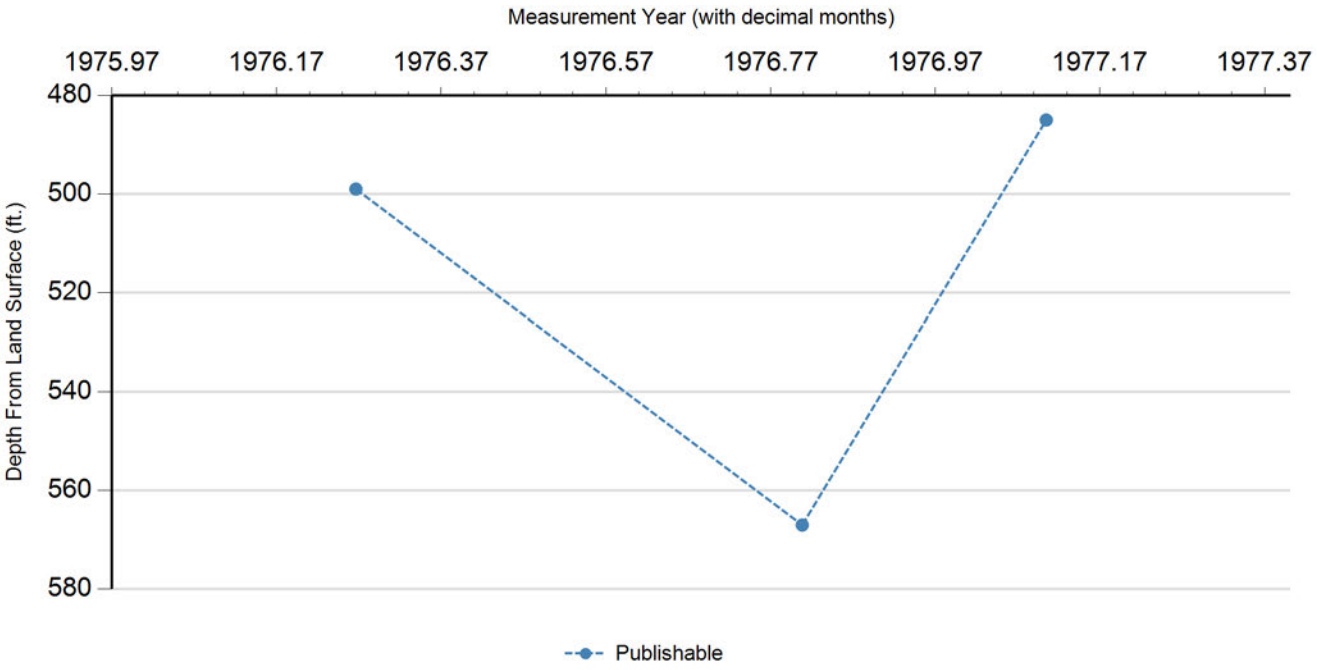
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/9/1976		499		213	1	Registered Water Well Driller	Air Line		
P	10/27/1976		567	68.00	145	1	Texas Water Development Board	Air Line		
P	2/10/1977		485	(82.00)	227	1	Texas Water Development Board	Air Line		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 4/8/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Registered Water Well Driller

Sampled Aquifer: Woodbine Sand

Analyzed Lab: Pope Testing Lab **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		17.8	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		356.4	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		391.49	mg/L	
00910	CALCIUM (MG/L)		1.6	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		21.36	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38.4	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		6	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		200	ug/L	
00920	MAGNESIUM (MG/L)		0.5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		7.01		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		35.18		
00932	SODIUM, CALCULATED, PERCENT		98	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		243.9	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		975	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		121	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		620	mg/L	

Water Quality Analysis

Sample Date: 10/20/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Municipal Water Agency or Public Water Supply Corp

Sampled Aquifer: Woodbine Sand

Analyzed Lab: Texas Department of Health **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		8	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		350	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		407.6	mg/L	
00910	CALCIUM (MG/L)		3	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		9.6	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		11	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		180	ug/L	
00920	MAGNESIUM (MG/L)	<	1	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.4	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.77		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		32.57		
00932	SODIUM, CALCULATED, PERCENT		97	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		255	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1188	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		119	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		655	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 18-44-202

Water Quality Analysis

Sample Date: 6/20/1983 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Woodbine Sand

Analyzed Lab: Texas Department of Health **Reliability:** From well not sufficiently pumped; not filtered or preserved

Collection Remarks: pumped recently- from tank

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		9	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		348	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		402.71	mg/L	
00910	CALCIUM (MG/L)		1.6	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		10.8	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		6	mg/L	
00920	MAGNESIUM (MG/L)		0.5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		2.61	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.84		
70300	RESIDUE, TOTAL FILTERABLE (DRIED AT 180C), MG/L		694	mg/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		11	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		46.34		
00932	SODIUM, CALCULATED, PERCENT		98	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		262	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1210	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		123	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		680	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

WORKSHEET 4.1
DISCHARGE POINT INFORMATION

This worksheet is required for **each** discharge point. Submit one Worksheet 4.1 for each discharge point. If there is more than one discharge point, the numbering of the points should be consistent throughout the application and on any supplemental documents (e.g. maps). **Instructions, Page 27.**

For water discharged at this location provide:

a. The amount of water that will be discharged at this point is 18.69 acre-feet per year. The discharged amount should include the amount needed for use and to compensate for any losses.

b. Water will be discharged at this point at a maximum rate of _____ cfs or 40 gpm.

c. Name of Watercourse as shown on Official USGS maps: Unnamed tributary of Slayter Creek

d. Zip Code 75409

f. Location of point: In the Granderson Clark Original Survey No. _____, Abstract No. 798, Collin County, Texas.

g. Point is at:

Latitude 33.339836 °N, Longitude 96.554183 °W.

****Provide Latitude and Longitude coordinates in decimal degrees to at least six decimal***

Point is at center of dam for Pond B, actual discharge location to be located anywhere around the perimeter of the pond

h. Indicate the method used to calculate the discharge point location (examples: Handheld GPS Device, GIS, Mapping Program): Civil 3D

Map submitted must clearly identify each discharge point. See instructions Page. 15.

WORKSHEET 5.0
ENVIRONMENTAL INFORMATION

1. Impingement and Entrainment

This section is required for any new diversion point that is not already authorized. Indicate the measures the applicant will take to avoid impingement and entrainment of aquatic organisms (ex. Screens on any new diversion structure that is not already authorized in a water right). **Instructions, Page 29.**

A submersable pump will be used to pull water for irrigation. The pump intake will be screened. An example of the pump and screen system is attached for reference. It will be designed to avoid impingement and entrainment of aquatic organisms.

2. New Appropriations of Water (Canadian, Red, Sulphur, and Cypress Creek Basins only) and Changes in Diversion Point(s)

This section is required for new appropriations of water in the Canadian, Red, Sulphur, and Cypress Creek Basins and in all basins for requests to change a diversion point. **Instructions, Page 30.**

N/A- Trinity River Basin is SB3

Description of the Water Body at each Diversion Point or Dam Location. (Provide an Environmental Information Sheet for each location),

a. Identify the appropriate description of the water body.

☐ Stream

☐ Reservoir

Average depth of the entire water body, in feet: _____

☐ Other, specify: _____

b. Flow characteristics

If a stream, was checked above, provide the following. For new diversion locations, check one of the following that best characterize the area downstream of the diversion (check one).

☐ Intermittent – dry for at least one week during most years

☐ Intermittent with Perennial Pools – enduring pools

☐ Perennial – normally flowing

Check the method used to characterize the area downstream of the new diversion location.

☐ USGS flow records

☐ Historical observation by adjacent landowners

☐ Personal observation

☐ Other, specify: _____

c. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the stream segments affected by the application and the area surrounding those stream segments.

☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional

☐ Natural Area: trees and/or native vegetation common; some development evident (from fields, pastures, dwellings); water clarity discolored

☐ Common Setting: not offensive; developed but uncluttered; water may be colored or turbid

☐ Offensive: stream does not enhance aesthetics; cluttered; highly developed; dumping areas; water discolored

d. Waterbody Recreational Uses

Are there any known recreational uses of the stream segments affected by the application?

☐ Primary contact recreation (swimming or direct contact with water)

☐ Secondary contact recreation (fishing, canoeing, or limited contact with water)

☐ Non-contact recreation

Submit the following information in a Supplemental Attachment, labeled Addendum to Worksheet 5.0:

1. Photographs of the stream at the diversion point or dam location. Photographs should be in color and show the proposed point or reservoir and upstream and downstream views of the stream, including riparian vegetation along the banks. Include a description of each photograph and reference the photograph to the map submitted with the application indicating the location of the photograph and the direction of the shot.

2. If the application includes a proposed reservoir, also include:

    i. A brief description of the area that will be inundated by the reservoir.

    ii. If a United States Army Corps of Engineers (USACE) 404 permit is required, provide the project number and USACE project manager.

    iii. A description of how any impacts to wetland habitat, if any, will be mitigated if the reservoir is greater than 5,000 acre-feet.

3. Alternate Sources of Water and/or Bed and Banks Applications

This section is required for applications using an alternate source of water and bed and banks applications in any basins. **Instructions, page 31.**

a. For all bed and banks applications:

i. Submit an assessment of the adequacy of the quantity and quality of flows remaining after the proposed diversion to meet instream uses and bay and estuary freshwater inflow requirements.

see response- bottom of page

b. For all alternate source applications:

i. If the alternate source is treated return flows, provide the TPDES permit number_____

ii. If groundwater is the alternate source, or groundwater or other surface water will be discharged into a watercourse provide:
Reasonably current water chemistry information including but not limited to the following parameters in the table below. Additional parameters may be requested if there is a specific water quality concern associated with the aquifer from which water is withdrawn. If data for onsite wells are unavailable; historical data collected from similar sized wells drawing water from the same aquifer may be provided. However, onsite data may still be required when it becomes available. Provide the well number or well identifier. Complete the information below for each well and provide the Well Number or identifier.

TBD pending well design. Data below is from nearest well of similar depth and same aquifer (18-44-202 City of Anna well #1, depth =1557')

Parameter	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Sulfate, mg/L	121 mg/L	123 mg/L	3		1983
Chloride, mg/L	58.1 mg/L	70 mg/L	3		1983
Total Dissolved Solids, mg/L	651.7 mg/L	680 mg/L	3		1983
pH, standard units	8.5 SU	8.6 SU	3		1983
Temperature*, degrees Celsius					

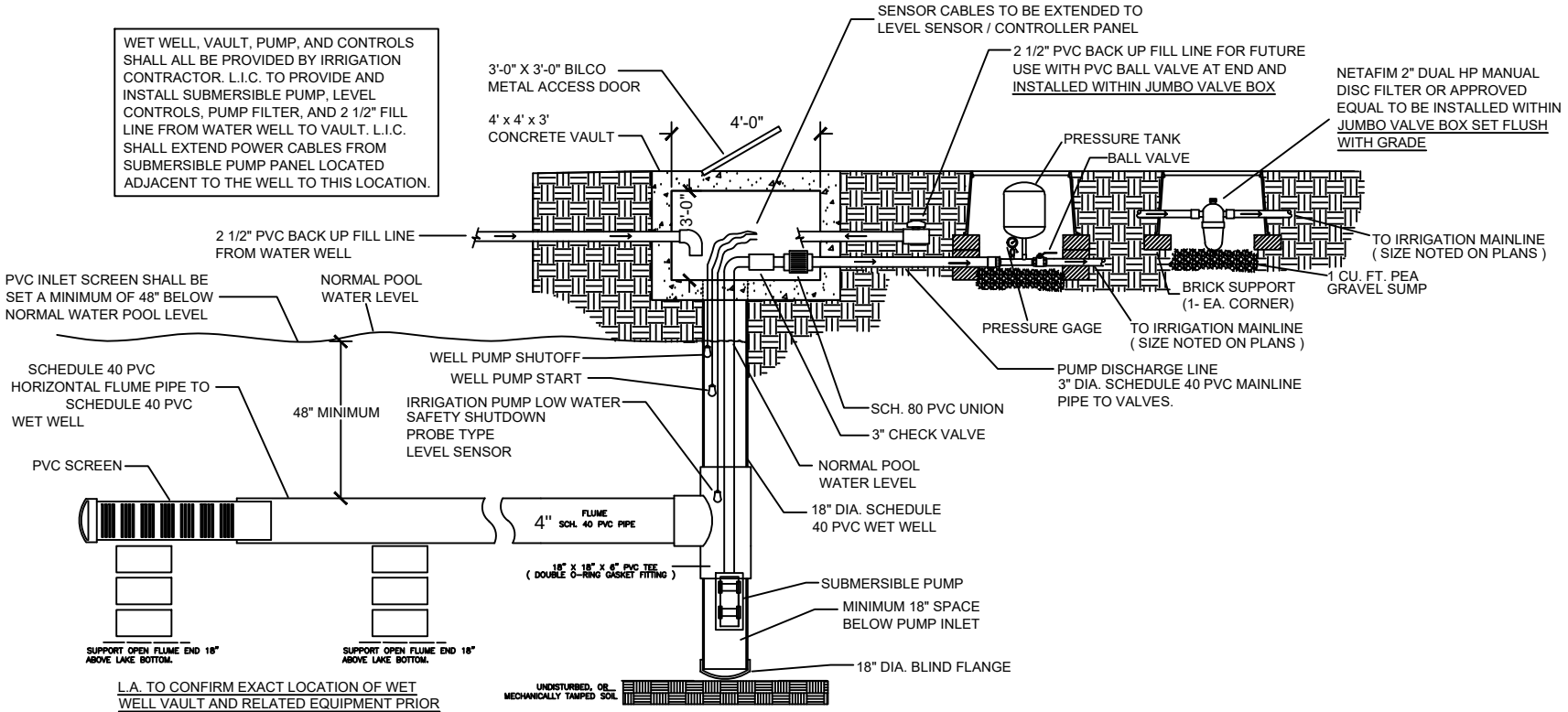
* Temperature must be measured onsite at the time the groundwater sample is collected.

iii. If groundwater will be used, provide the depth of the well 1400' and the name of the aquifer from which water is withdrawn Woodbine.

3.a.i. The proposed bed and banks application will not effect the flows remaining in the stream to meet in stream uses and freshwater inflow requirements. The application only requests to discharge and subsequently divert groundwater. The amount of water diverted will not exceed the amount of water discharged, less losses, therefore there should be no changes to downstream in stream flows or freshwater inflows.

Irrigation Pump Example

EXAMPLE PUMP - TO BE DESIGNED BY WELL/IRRIGATION CONTRACTOR



1 IRRIGATION WET WELL AND VAULT

WORKSHEET 6.0
Water Conservation/Drought Contingency Plans

Worksheet 6.0 is not applicable for this development.

This form is intended to assist applicants in determining whether a Water Conservation Plan and/or Drought Contingency Plans is required and to specify the requirements for plans. **Instructions, Page 31.**

The TCEQ has developed guidance and model plans to help applicants prepare plans. Applicants may use the model plan with pertinent information filled in. For assistance submitting a plan call the Resource Protection Team (Water Conservation staff) at 512-239-4600, or e-mail wras@tceq.texas.gov. The model plans can also be downloaded from the TCEQ webpage. ***Please use the most up-to-date plan documents available on the webpage.***

1. Water Conservation Plans

a. The following applications must include a completed Water Conservation Plan (30 TAC § 295.9) for each use specified in 30 TAC, Chapter 288 (municipal, industrial or mining, agriculture – including irrigation, wholesale):

1. Request for a new appropriation or use of State Water.

2. Request to amend water right to increase appropriation of State Water.

3. Request to amend water right to extend a term.

4. Request to amend water right to change a place of use.
   **does not apply to a request to expand irrigation acreage to adjacent tracts.*

5. Request to amend water right to change the purpose of use.
   **applicant need only address new uses.*

6. Request for bed and banks under TWC § 11.042(c), when the source water is State Water
   **including return flows, contract water, or other State Water.*

b. If Applicant is requesting any authorization in section (1)(a) above, indicate each use for which Applicant is submitting a Water Conservation Plan as an attachment:

1. _____Municipal Use. See 30 TAC § 288.2. **

2. _____Industrial or Mining Use. See 30 TAC § 288.3.

3. _____Agricultural Use, including irrigation. See 30 TAC § 288.4.

4. _____Wholesale Water Suppliers. See 30 TAC § 288.5. **

If Applicant is a water supplier, Applicant must also submit documentation of adoption of the plan. Documentation may include an ordinance, resolution, or tariff, etc. See 30 TAC §§ 288.2(a)(1)(J)(i) and 288.5(1)(H). Applicant has submitted such documentation with each water conservation plan? **Y / N____

c. Water conservation plans submitted with an application must also include data and information which: supports applicant's proposed use with consideration of the plan's water conservation goals; evaluates conservation as an alternative to the proposed

appropriation; and evaluates any other feasible alternative to new water
See 30 TAC § 288.7.
Applicant has included this information in each applicable plan? **Y / N**_

Worksheet 1.2 is not applicable for this development.

2. Drought Contingency Plans

a. A drought contingency plan is also required for the following entities if Applicant is requesting any of the authorizations in section (1) (a) above – indicate each that applies:

1. _____Municipal Uses by public water suppliers. See 30 TAC § 288.20.

2. _____Irrigation Use/ Irrigation water suppliers. See 30 TAC § 288.21.

3. _____Wholesale Water Suppliers. See 30 TAC § 288.22.

b. If Applicant must submit a plan under section 2(a) above, Applicant has also submitted documentation of adoption of drought contingency plan (*ordinance, resolution, or tariff, etc. See 30 TAC § 288.30*) **Y / N**___

WORKSHEET 7.0
ACCOUNTING PLAN INFORMATION WORKSHEET

The following information provides guidance on when an Accounting Plan may be required for certain applications and if so, what information should be provided. An accounting plan can either be very simple such as keeping records of gage flows, discharges, and diversions; or, more complex depending on the requests in the application. Contact the Surface Water Availability Team at 512-239-4600 for information about accounting plan requirements, if any, for your application. **Instructions, Page 34.**

1. Is Accounting Plan Required

Accounting Plans are generally required:

- For applications that request authorization to divert large amounts of water from a single point where multiple diversion rates, priority dates, and water rights can also divert from that point;
- For applications for new major water supply reservoirs;
- For applications that amend a water right where an accounting plan is already required, if the amendment would require changes to the accounting plan;
- For applications with complex environmental flow requirements;
- For applications with an alternate source of water where the water is conveyed and diverted; and
- For reuse applications.

2. Accounting Plan Requirements

a. A **text file** that includes:
   1. an introduction explaining the water rights and what they authorize;
   2. an explanation of the fields in the accounting plan spreadsheet including how they are calculated and the source of the data;
   3. for accounting plans that include multiple priority dates and authorizations, a section that discusses how water is accounted for by priority date and which water is subject to a priority call by whom; and
   4. Should provide a summary of all sources of water.

b. A **spreadsheet** that includes:
   1. Basic daily data such as diversions, deliveries, compliance with any instream flow requirements, return flows discharged and diverted and reservoir content;
   2. Method for accounting for inflows if needed;
   3. Reporting of all water use from all authorizations, both existing and proposed;
   4. An accounting for all sources of water;
   5. An accounting of water by priority date;
   6. For bed and banks applications, the accounting plan must track the discharged water from the point of delivery to the final point of diversion;
   7. Accounting for conveyance losses;
   8. Evaporation losses if the water will be stored in or transported through a reservoir. Include changes in evaporation losses and a method for measuring reservoir content resulting from the discharge of additional water into the reservoir;
   9. An accounting for spills of other water added to the reservoir; and
   10. Calculation of the amount of drawdown resulting from diversion by junior rights or diversions of other water discharged into and then stored in the reservoir.

ANNA CROSSING PARTNERS, LP ACCOUNTING PLAN
FOR APPLICATION NO. XXXXXXX
_____, 2021

INTRODUCTION

This memorandum describes the accounting plan submitted for Application No. XXXXXX. The application authorizes the storage of supplemental water in two existing stock ponds with a total storage capacity of 4.65 acre-feet and a total surface area of 1.42 acres.

The applicant will not be diverting any state waters and will provide supplemental water from private groundwater produced by the applicant to offset evaporation and irrigation losses.

The accounting plan assumes that storage in the reservoirs is constant. Change in storage is minimal and can be ignored. Thus, this accounting plan is premised on a fundamental mass balance equation of water inflows and outflows from the impoundment:

Groundwater = Evaporation Losses + Irrigation

The applicant will install meters on the discharges of groundwater and the irrigation system and will read those meters daily. The accounting plan will use the 75th percentile evaporation amount for the closest lake with Army Corps of Engineers documented evaporation, which is Lavon Lake. Data is available from October 1981 through October 2021.

ACCOUNTING PLAN SUMMARY

The accounting plan has been created as an Excel spreadsheet which includes cells in which the applicant will insert irrigation and well meter readings. The spreadsheet includes other cells that contain the default evaporation rate. The accounting plan covers one calendar year, and a new Excel document will need to be created for each year.

There are 16 tabs in the accounting plan spreadsheet:

1. ACOE Lavon Lake Data- monthly total evaporation rates based on Army Corps of Engineers Data for Lavon Lake and calculation of 75th percentile
2. Evaporation Summary- conversion to average daily evaporation rates per month

3-14. Monthly tabs- allow applicant to enter daily irrigation well meter data and calculates supplemental discharges needed

15. ANNUAL Tab – summarizes groundwater discharge volume, evaporative losses, and supplemental groundwater discharges.
16. Evap Data Source- shows the ACOE data source website, including map showing nearest lake

ACOE LAVON LAKE DATA TAB (<u>There are no adjustments to be made to this tab by the applicant)</u>

This worksheet contains data for the Army Corps of Engineers website and a calculation for the 75th percentile. The worksheet includes thirteen columns, all of which have been populated with data. The applicant will not enter any data. There are no adjustments to be made to this tab by the applicant.

Column A Year. Lists each year with available data

Column B-M Months. Lists the months

Row 55 75th percentile Row 55 determines the 75th percentile evaporation amount for each month over the 20 years of available data

EVAP SUMMARY TAB (There are no adjustments to be made to this tab by the applicant)

This worksheet uses the 75th percentile data calculated in row 55 on the previous sheet and dives by the days in each month to determine a daily evaporation rate for each month. Daily rates are shown on column D. There are no adjustments to be made to this tab by the applicant.

MONTHLY TABS (Updated monthly by applicant)

The accounting plan includes 12 monthly spreadsheets, labeled JAN through DEC. Each worksheet contains nine columns (A through I), but the number of rows varies between 28 and 31 based on the number of days in the month. The applicant will enter daily the groundwater volume in gallons into Column B "Groundwater Volume (gal). All other cells will be filled automatically based on those entries.

Column A Day. Lists the day of the month. No data entry is required by the applicant.

Column B Groundwater Volume (gal). Cells for the applicant to enter daily meter readings from the water well meter. Water well meter records used in gallons. Applicant to read the meter and enter the amount of water (in gallons) discharged into pond daily.

Column C Irrigation Volume (gal). Cells for the applicant to enter daily meter readings from the irrigation meter. Irrigation meter records used in gallons. Applicant to read the meter and enter the amount of water (in gallons) pulled from the pond daily.

Column D Evaporation Rate (in). This column displays the 75th percentile daily pan rate from Column D, cells D6-D17 "Daily Evap Rate (in)" of the EVAP SUMMARY Worksheet. No data entry is required by the applicant.

Column E Evaporation (ac-ft). Calculated Default Evaporation obtained by converting the Default Evaporation Rate in Column C to feet and multiplying it by the total surface area of the lake in cell C6 (Column C "Default Evaporation Rate (in) divided by 12, to convert to feet, multiplied by C6 Lake Surface Area (acres). No data entry is required by the applicant.

Column F — Evaporation (gal). Calculated Default Evaporation in gallons obtained by converting the Column D Default Evaporation (ac-ft) multiplied by 325851 gallons per acre-foot. No data entry is required by the applicant.

Column G — Total Diversions (Evaporation plus Irrigation) (gal). The total diversions are determined by adding the calculated evaporation (Column D) to the Applicant entered irrigation volume (Column C). No data entry is required by the applicant.

Column H — Calculated Net Change (gal). The calculated net change is determined by subtracting the groundwater inflow to the lake (Column B) from the Total Diversions (Column G). If the calculated net change is negative, then there is more inflow into the impoundment than can be held and this amount flows downstream. the positive calculated net inflow from Column F. If the "Calculated Net Inflow" is less than zero, this value is equal to zero. The depleted net inflow represents the amount needed to be made up through supplemental groundwater pumping. (Column G "Total Diversions (gal)" minus Column B "Groundwater Volume (gal).") No data entry is required by the applicant.

Column I — Net Water Lost (gal). The net water lost is the positive calculated value from Column H. If the "Calculated Net Change" is less than zero, this value is equal to zero. The net water lost represents the amount needed to be made up through supplemental groundwater pumping. (The “greater than zero” value of Column H "Calculated Net Change (gal).") No data entry is required by the applicant.

Column J — Supplemental Groundwater Required (gal). The supplemental groundwater required (gal) (Column J) is the sum of the net water lost (gal) (Column I). The applicant should review these numbers biweekly in December, January, and February (i.e., winter months) when evapotranspiration rates are typically low. For the remainder of the year (i.e., spring and summer months), the applicant should review these numbers on a weekly basis when evapotranspiration rates typically are higher. The monthly tab is set up with equations to sum these amounts at the appropriate times. For winter months, these values are shown in cells J22, J36 and either J38 or J39 depending on the number of days in a month. For the summer months, these values are shown in cells J14, J22, J29, J36 and either J38 or J39 depending on the number of days in a month.

Applicant should review these numbers biweekly/weekly to determine if an adequate amount of groundwater is being discharged. If a positive number is present, then applicant needs to increase the volume of groundwater discharged on future releases that month to reduce the values to zero. Discharges of supplemental groundwater volumes should be recorded in Column B, and a note with the amount would be included in Comments (Column L). Applicant to review supplemental groundwater number. Record a supplemental groundwater discharges and enter the amount of water (in gallons) discharged into the pond in Column B. Supplemental groundwater discharges to be combined with normal groundwater volume discharges.

Column K — Daily Required Increase in Groundwater Release (gal). This converts the Supplemental Groundwater Release into an average daily increase needed and will allow the applicant to increase the daily groundwater rate the rest of the month and avoid future supplemental releases. Applicant to review daily supplemental groundwater number weekly/biweekly and increase future daily groundwater discharges by that amount.

Column L — Comments. This Column allows the applicant to enter any relevant notes and observations. Applicant to enter comments daily.

ANNUAL TAB (Updated automatically based on data entered in monthly tabs, no data entry is required by the applicant.)

The ANNUAL tab calculates a mass balance for the impoundment covered by Application 13619. All figures on the ANNUAL tab are populated from the monthly tabs or calculated in the ANNUAL tab, so the applicant will not enter any data into the ANNUAL tab. The exception is in cell B6, where the applicant enters the current year.

The ANNUAL tab contains columns (A through G) and 14 rows. The columns in the table are as follows:

Column A — Month. Labels for each month in a separate row. Corresponds to Monthly Tabs (JAN through DEC) within the spreadsheet.

Column B — Groundwater Volume (ac-ft). Contains the monthly Groundwater Volume in acre-feet (This number comes from cell B40, which is the calculated total groundwater volume on each monthly spreadsheet, converted in each spreadsheet to acre-feet. The annual total will populate automatically once the Monthly Tabs are completed.)

Column C — Irrigation Volume (ac-ft). Contains the monthly irrigation from the respective monthly worksheet (This number comes from cell C40, which is the calculated total irrigation volume on each monthly spreadsheet, converted in each spreadsheet to acre-feet. The annual total will populate automatically once the Monthly Tabs are completed.)

Column D — Evaporation (ac-ft). Contains the monthly evaporation imported from the respective monthly worksheet (This number comes from cell D40, which is the calculated total evaporation volume on each monthly spreadsheet, converted in each spreadsheet to acre-feet. The annual total will populate automatically once the Monthly Tabs are completed.)

Column E — Calculated Net Change (ac-ft). Contains the monthly calculated net changes in acre-feet. This number comes from cell H40, which is a conversion of the sum of column H "Calculated net change" to acre-feet in each monthly tab. (This number will populate automatically once the Monthly Tabs are completed).

Column F — Net Water Lost (ac-ft). Contains the monthly depleted net inflows in acre-feet. This number comes from cell I40, which is a conversion of the sum of column I "Net water Lost" to acre-feet in each monthly tab. This number will populate automatically once the Monthly Tabs are completed).

Column G — Supplemental Groundwater Required (ac-ft). Contains the monthly supplemental groundwater required in acre-feet. This number comes from cell J40, which is a conversion of the sum of column J "Supplemental Groundwater Required" to acre-feet in each monthly tab This number will populate automatically once the Monthly Tabs are completed).

DATA SOURCE For refence only. Provides the source website for the evaporation data.

ACOE LAVON LAKE DATA

Calculated Results
Applicant data entry
Calculation
Data from ACOE
Other Project Specific Data
References Other Sheet
Not used

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1981										5.37	3.49	2.99
1982	2.75	2.48	4.81	5.67	6.90	7.98	10.01	10.52	8.12	5.54	3.53	3.00
1983	2.19	2.54	5.18	6.45	8.18	7.54	10.12	9.52	8.48	6.28	3.88	2.86
1984	1.92	4.39	5.38	6.44	8.78	8.26	9.97	10.59	9.38	4.31	4.18	2.87
1985	1.94	2.45	5.48	7.11	8.82	10.73	11.27	12.29	9.41	4.92	3.26	2.46
1986	3.80	3.79	6.82	6.28	7.52	8.43	12.60	10.67	8.03	4.88	2.82	1.92
1987	2.78	3.37	5.87	9.00	7.98	8.21	11.02	13.01	8.41	6.43	4.18	2.45
1988	2.93	3.63	7.39	8.81	10.12	10.72	11.36	12.20	8.20	5.89	5.41	3.55
1989	3.32	2.74	5.78	8.22	8.73	8.53	8.78	8.58	8.28	7.13	4.85	2.89
1990	4.48	4.85	4.89	6.27	7.73	10.95	11.33	10.28	7.38	5.72	4.36	2.62
1991	2.18	4.82	7.64	7.08	7.02	7.81	10.56	8.48	5.59	5.94	3.26	2.39
1992	2.12	3.45	5.92	6.13	6.70	7.77	9.96	7.83	7.08	6.06	3.38	2.13
1993	1.98	2.87	4.63	6.74	7.10	7.77	12.24	11.57	7.37	4.70	3.33	2.94
1994	2.75	3.48	4.75	6.50	5.89	8.91	9.35	8.67	6.68	4.79	3.03	2.13
1995	2.34	3.33	4.02	5.60	5.88	8.84	9.28	9.27	6.76	6.85	4.14	2.69
1996	2.96	4.44	5.92	7.53	9.20	9.28	10.24	7.95	5.75	5.60	2.88	2.77
1997	2.19	2.76	4.85	5.72	7.10	8.77	9.66	9.26	8.08	5.23	3.23	2.57
1998	2.49	3.63	5.51	8.09	8.38	12.40	14.25	11.15	7.59	5.29	2.72	2.37
1999	2.79	4.17	4.72	6.79	6.55	8.15	10.55	11.35	8.10	6.15	4.49	3.21
2000	3.83	4.52	5.16	6.13	8.33	7.47	10.63	12.31	9.16	5.64	2.45	2.70
2001	2.54	3.34	3.90	5.40	7.74	9.50	11.35	9.83	5.81	5.58	3.65	2.87
2002	2.75	3.88	4.44	5.67	7.39	8.65	8.29	9.33	7.52	3.97	3.73	2.76
2003	2.57	2.59	4.41	7.53	7.87	7.94	10.47	9.39	5.86	5.26	4.25	3.57
2004	2.60	3.14	5.17	6.26	8.02	7.29	9.29	8.84	7.48	4.90	2.86	3.13
2005	2.95	2.96	5.42	7.12	7.57	9.76	9.66	9.95	9.36	6.16	5.14	3.92
2006	5.53	3.83	6.49	7.76	9.68	10.18	12.94	12.37	7.69	6.63	4.09	3.50
2007	2.99	3.32	5.15	5.67	6.34	7.09	6.92	9.07	6.54	5.62	4.21	2.84
2008	3.12	4.29	5.57	7.33	8.39	10.05	11.09	8.67	6.52	6.36	5.16	3.35
2009	3.70	4.57	6.14	7.17	5.83	10.11	10.44	9.62	5.82	3.95	3.55	2.46
2010	2.60	2.41	5.44	7.01	9.46	9.80	10.00	11.53	8.17	6.28	4.35	4.45
2011	3.48	2.77	6.67	8.98	8.90	12.18	11.14	13.11	9.70	6.97	5.13	2.95

2012	3.83	4.14	5.31	6.16	9.19	9.67	10.94	10.17	8.43	5.40	4.77	3.88
2013	3.17	4.27	6.32	6.34	7.84	9.69	9.66	7.75	8.46	3.10	3.63	2.21
2014	4.07	3.39	4.89	6.56	8.09	8.62	9.30	8.94	6.99	5.73	3.86	2.37
2015	2.85	2.49	3.95	6.47	5.87	9.74	10.22	10.11	8.07	5.98	3.29	4.13
2016	3.12	4.71	5.70	6.42	6.49	8.22	10.44	9.30	8.19	6.43	4.89	3.34
2017	3.48	4.68	6.33	7.04	7.68	8.75	10.01	8.84	7.66	5.90	4.66	3.23
2018	2.67	3.46	5.91	5.63	9.15	10.16	11.04	9.76	7.62	5.54	3.50	3.29
2019	2.84	3.62	5.00	6.50	8.02	8.56	9.75	10.26	8.77	5.94	4.14	3.65
2020	3.73	4.50	6.88	7.43	8.79	9.72	10.50	9.90	7.14	5.64	4.60	3.60
2021	3.51	4.20	6.51	7.31	8.70	9.09	10.17	9.71	8.12	3.05		
75th Percentile:	3.48	4.28	5.98	7.32	8.74	9.77	11.05	10.79	8.31	6.15	4.39	3.34

EVAP SUMMARY

Month	Days in Month	TWDB 75th Percentile Monthly Rate (in)	Daily Evap Rate (in)
January	31	3.48	0.11
February	28	4.28	0.15
March	31	5.98	0.19
April	30	7.32	0.24
May	31	8.74	0.28
June	30	9.77	0.33
July	31	11.05	0.36
August	31	10.79	0.35
September	30	8.31	0.28
October	31	6.15	0.20
November	30	4.39	0.15
December	31	3.34	0.11

Water Accounting Record
January - Monthly Tab

Lake Surface Area (acres) 1.42

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.11	0.01	4241	4241	4241	4241			
2			0.11	0.01	4241	4241	4241	4241			
3			0.11	0.01	4241	4241	4241	4241			
4			0.11	0.01	4241	4241	4241	4241			
5			0.11	0.01	4241	4241	4241	4241			
6			0.11	0.01	4241	4241	4241	4241			
7			0.11	0.01	4241	4241	4241	4241			
8			0.11	0.01	4241	4241	4241	4241			
9			0.11	0.01	4241	4241	4241	4241			
10			0.11	0.01	4241	4241	4241	4241			
11			0.11	0.01	4241	4241	4241	4241			
12			0.11	0.01	4241	4241	4241	4241			
13			0.11	0.01	4241	4241	4241	4241			
14			0.11	0.01	4241	4241	4241	4241	59380.9139	4241.49385	
15			0.11	0.01	4241	4241	4241	4241			
16			0.11	0.01	4241	4241	4241	4241			
17			0.11	0.01	4241	4241	4241	4241			
18			0.11	0.01	4241	4241	4241	4241			
19			0.11	0.01	4241	4241	4241	4241			
20			0.11	0.01	4241	4241	4241	4241			
21			0.11	0.01	4241	4241	4241	4241			
22			0.11	0.01	4241	4241	4241	4241	59380.9139	4241.49385	
23			0.11	0.01	4241	4241	4241	4241			
24			0.11	0.01	4241	4241	4241	4241			
25			0.11	0.01	4241	4241	4241	4241			
26			0.11	0.01	4241	4241	4241	4241			
27			0.11	0.01	4241	4241	4241	4241			
28			0.11	0.01	4241	4241	4241	4241			
29			0.11	0.01	4241	4241	4241	4241			
30			0.11	0.01	4241	4241	4241	4241			
31			0.11	0.01	4241	4241	4241	4241			
32			0.11	0.01	4241	4241	4241	4241			
33			0.11	0.01	4241	4241	4241	4241			
34			0.11	0.01	4241	4241	4241	4241			
35			0.11	0.01	4241	4241	4241	4241			
36			0.11	0.01	4241	4241	4241	4241	59380.9139	4241.49385	
37			0.11	0.01	4241	4241	4241	4241			
38			0.11	0.01	4241	4241	4241	4241			
39			0.11	0.01	4241	4241	4241	4241	12724.48155	4241.49385	
Total (ac-ft)	0.00	0.00	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
Total (gal)	0	0	131,486	131,486	131,486	131,486	131,486	131,486	131,486		

Water Accounting Record
February - Monthly Tab

Signed: _____
Date: _____

Lake Surface Area (acres) 1.42

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.15	0.02	5784	5784	5784	5784			
2			0.15	0.02	5784	5784	5784	5784			
3			0.15	0.02	5784	5784	5784	5784			
4			0.15	0.02	5784	5784	5784	5784			
5			0.15	0.02	5784	5784	5784	5784			
6			0.15	0.02	5784	5784	5784	5784			
7			0.15	0.02	5784	5784	5784	5784			
8			0.15	0.02	5784	5784	5784	5784			
9			0.15	0.02	5784	5784	5784	5784			
10			0.15	0.02	5784	5784	5784	5784			
11			0.15	0.02	5784	5784	5784	5784			
12			0.15	0.02	5784	5784	5784	5784			
13			0.15	0.02	5784	5784	5784	5784			
14			0.15	0.02	5784	5784	5784	5784	80973.9735	5783.85525	
15			0.15	0.02	5784	5784	5784	5784			
16			0.15	0.02	5784	5784	5784	5784			
17			0.15	0.02	5784	5784	5784	5784			
18			0.15	0.02	5784	5784	5784	5784			
19			0.15	0.02	5784	5784	5784	5784			
20			0.15	0.02	5784	5784	5784	5784			
21			0.15	0.02	5784	5784	5784	5784			
22			0.15	0.02	5784	5784	5784	5784	80973.9735	5783.85525	
23			0.15	0.02	5784	5784	5784	5784			
24			0.15	0.02	5784	5784	5784	5784			
25			0.15	0.02	5784	5784	5784	5784			
26			0.15	0.02	5784	5784	5784	5784			
27			0.15	0.02	5784	5784	5784	5784			
28			0.15	0.02	5784	5784	5784	5784			
29			0.15	0.02	5784	5784	5784	5784			
30			0.15	0.02	5784	5784	5784	5784			
31			0.15	0.02	5784	5784	5784	5784			
32			0.15	0.02	5784	5784	5784	5784			
33			0.15	0.02	5784	5784	5784	5784			
34			0.15	0.02	5784	5784	5784	5784			
35			0.15	0.02	5784	5784	5784	5784			
36			0.15	0.02	5784	5784	5784	5784	80973.9735	5783.85525	
37											
38											
39											
Total (ac-ft)	0.00	0.00	0.50	0.50	0.50	0.50	0.50	0.50	0.50		
Total (gal)	0	0	161,948	161,948	161,948	161,948	161,948	161,948	161,948		

Water Accounting Record
March - Monthly Tab

Lake Surface Area (acres) 1.42

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.19	0.02	7326	7326	7326	7326			
2			0.19	0.02	7326	7326	7326	7326			
3			0.19	0.02	7326	7326	7326	7326			
4			0.19	0.02	7326	7326	7326	7326			
5			0.19	0.02	7326	7326	7326	7326			
6			0.19	0.02	7326	7326	7326	7326			
7			0.19	0.02	7326	7326	7326	7326	51283.51655	7326.21665	
8			0.19	0.02	7326	7326	7326	7326			
9			0.19	0.02	7326	7326	7326	7326			
10			0.19	0.02	7326	7326	7326	7326			
11			0.19	0.02	7326	7326	7326	7326			
12			0.19	0.02	7326	7326	7326	7326			
13			0.19	0.02	7326	7326	7326	7326			
14			0.19	0.02	7326	7326	7326	7326	51283.51655	7326.21665	
15			0.19	0.02	7326	7326	7326	7326			
16			0.19	0.02	7326	7326	7326	7326			
17			0.19	0.02	7326	7326	7326	7326			
18			0.19	0.02	7326	7326	7326	7326			
19			0.19	0.02	7326	7326	7326	7326			
20			0.19	0.02	7326	7326	7326	7326			
21			0.19	0.02	7326	7326	7326	7326	51283.51655	7326.21665	
22			0.19	0.02	7326	7326	7326	7326			
23			0.19	0.02	7326	7326	7326	7326			
24			0.19	0.02	7326	7326	7326	7326			
25			0.19	0.02	7326	7326	7326	7326			
26			0.19	0.02	7326	7326	7326	7326			
27			0.19	0.02	7326	7326	7326	7326			
28			0.19	0.02	7326	7326	7326	7326			
29			0.19	0.02	7326	7326	7326	7326	51283.51655	7326.21665	
30			0.19	0.02	7326	7326	7326	7326			
31			0.19	0.02	7326	7326	7326	7326			
32			0.19	0.02	7326	7326	7326	7326			
33			0.19	0.02	7326	7326	7326	7326			
34			0.19	0.02	7326	7326	7326	7326			
35			0.19	0.02	7326	7326	7326	7326			
36			0.19	0.02	7326	7326	7326	7326	51283.51655	7326.21665	
37			0.19	0.02	7326	7326	7326	7326			
38			0.19	0.02	7326	7326	7326	7326			
39			0.19	0.02	7326	7326	7326	7326	21978.64995	7326.21665	
Total (ac-ft)	0.00	0.00	0.70	0.70	0.70	0.70	0.70	0.70	0.70		
Total (gal)	0	0	227,113	227,113	227,113	227,113	227,113	227,113	227,113		

Water Accounting Record
April - Monthly Tab

Lake Surface Area (acres): 1.42

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.24	0.03	9254	9254	9254	9254			
2			0.24	0.03	9254	9254	9254	9254			
3			0.24	0.03	9254	9254	9254	9254			
4			0.24	0.03	9254	9254	9254	9254			
5			0.24	0.03	9254	9254	9254	9254			
6			0.24	0.03	9254	9254	9254	9254			
7			0.24	0.03	9254	9254	9254	9254	64779.1788	9254.1684	
8			0.24	0.03	9254	9254	9254	9254			
9			0.24	0.03	9254	9254	9254	9254			
10			0.24	0.03	9254	9254	9254	9254			
11			0.24	0.03	9254	9254	9254	9254			
12			0.24	0.03	9254	9254	9254	9254			
13			0.24	0.03	9254	9254	9254	9254			
14			0.24	0.03	9254	9254	9254	9254	64779.1788	9254.1684	
15			0.24	0.03	9254	9254	9254	9254			
16			0.24	0.03	9254	9254	9254	9254			
17			0.24	0.03	9254	9254	9254	9254			
18			0.24	0.03	9254	9254	9254	9254			
19			0.24	0.03	9254	9254	9254	9254			
20			0.24	0.03	9254	9254	9254	9254			
21			0.24	0.03	9254	9254	9254	9254	64779.1788	9254.1684	
22			0.24	0.03	9254	9254	9254	9254			
23			0.24	0.03	9254	9254	9254	9254			
24			0.24	0.03	9254	9254	9254	9254			
25			0.24	0.03	9254	9254	9254	9254			
26			0.24	0.03	9254	9254	9254	9254			
27			0.24	0.03	9254	9254	9254	9254			
28			0.24	0.03	9254	9254	9254	9254	64779.1788	9254.1684	
29			0.24	0.03	9254	9254	9254	9254			
30			0.24	0.03	9254	9254	9254	9254			
31			0.24	0.03	9254	9254	9254	9254			
32			0.24	0.03	9254	9254	9254	9254			
33			0.24	0.03	9254	9254	9254	9254			
34			0.24	0.03	9254	9254	9254	9254			
35			0.24	0.03	9254	9254	9254	9254	64779.1788	9254.1684	
36			0.24	0.03	9254	9254	9254	9254			
37			0.24	0.03	9254	9254	9254	9254	18508.3368	9254.1684	
38			0.24	0.03	9254	9254	9254	9254			
39											
Total (ac-ft)	0.00	0.00	0.85	0.85	0.85	0.85	0.85	0.85	0.85		
Total (gal)	0	0	277,625	277,625	277,625	277,625	277,625	277,625	277,625		

Water Accounting Record
May - Monthly Tab

Lake Surface Area (acres): 1.42

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.28	0.03	10797	10797	10797	10797			
2			0.28	0.03	10797	10797	10797	10797			
3			0.28	0.03	10797	10797	10797	10797			
4			0.28	0.03	10797	10797	10797	10797			
5			0.28	0.03	10797	10797	10797	10797			
6			0.28	0.03	10797	10797	10797	10797			
7			0.28	0.03	10797	10797	10797	10797	75575.7086	10796.5298	
8			0.28	0.03	10797	10797	10797	10797			
9			0.28	0.03	10797	10797	10797	10797			
10			0.28	0.03	10797	10797	10797	10797			
11			0.28	0.03	10797	10797	10797	10797			
12			0.28	0.03	10797	10797	10797	10797			
13			0.28	0.03	10797	10797	10797	10797			
14			0.28	0.03	10797	10797	10797	10797	75575.7086	10796.5298	
15			0.28	0.03	10797	10797	10797	10797			
16			0.28	0.03	10797	10797	10797	10797			
17			0.28	0.03	10797	10797	10797	10797			
18			0.28	0.03	10797	10797	10797	10797			
19			0.28	0.03	10797	10797	10797	10797			
20			0.28	0.03	10797	10797	10797	10797			
21			0.28	0.03	10797	10797	10797	10797			
22			0.28	0.03	10797	10797	10797	10797	75575.7086	10796.5298	
23			0.28	0.03	10797	10797	10797	10797			
24			0.28	0.03	10797	10797	10797	10797			
25			0.28	0.03	10797	10797	10797	10797			
26			0.28	0.03	10797	10797	10797	10797			
27			0.28	0.03	10797	10797	10797	10797			
28			0.28	0.03	10797	10797	10797	10797			
29			0.28	0.03	10797	10797	10797	10797	75575.7086	10796.5298	
30			0.28	0.03	10797	10797	10797	10797			
31			0.28	0.03	10797	10797	10797	10797			
32			0.28	0.03	10797	10797	10797	10797			
33			0.28	0.03	10797	10797	10797	10797			
34			0.28	0.03	10797	10797	10797	10797			
35			0.28	0.03	10797	10797	10797	10797			
36			0.28	0.03	10797	10797	10797	10797	75575.7086	10796.5298	
37			0.28	0.03	10797	10797	10797	10797			
38			0.28	0.03	10797	10797	10797	10797			
39			0.28	0.03	10797	10797	10797	10797	32389.5894	10796.5298	
Total (ac-ft)	0.00	0.00	1.03	1.03	1.03	1.03	1.03	1.03	1.03		
Total (gal)	0	0	334,692	334,692	334,692	334,692	334,692	334,692	334,692		

Water Accounting Record
June - Monthly Tab

Signed: _____
Date: _____

Lake Surface Area (acres) 1.42

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.33	0.04	12724	12724	12724	12724			
2			0.33	0.04	12724	12724	12724	12724			
3			0.33	0.04	12724	12724	12724	12724			
4			0.33	0.04	12724	12724	12724	12724			
5			0.33	0.04	12724	12724	12724	12724			
6			0.33	0.04	12724	12724	12724	12724			
7			0.33	0.04	12724	12724	12724	12724	89071.37085	12724.48155	
8			0.33	0.04	12724	12724	12724	12724			
9			0.33	0.04	12724	12724	12724	12724			
10			0.33	0.04	12724	12724	12724	12724			
11			0.33	0.04	12724	12724	12724	12724			
12			0.33	0.04	12724	12724	12724	12724			
13			0.33	0.04	12724	12724	12724	12724			
14			0.33	0.04	12724	12724	12724	12724	89071.37085	12724.48155	
15			0.33	0.04	12724	12724	12724	12724			
16			0.33	0.04	12724	12724	12724	12724			
17			0.33	0.04	12724	12724	12724	12724			
18			0.33	0.04	12724	12724	12724	12724			
19			0.33	0.04	12724	12724	12724	12724			
20			0.33	0.04	12724	12724	12724	12724			
21			0.33	0.04	12724	12724	12724	12724	89071.37085	12724.48155	
22			0.33	0.04	12724	12724	12724	12724			
23			0.33	0.04	12724	12724	12724	12724			
24			0.33	0.04	12724	12724	12724	12724			
25			0.33	0.04	12724	12724	12724	12724			
26			0.33	0.04	12724	12724	12724	12724			
27			0.33	0.04	12724	12724	12724	12724			
28			0.33	0.04	12724	12724	12724	12724			
29			0.33	0.04	12724	12724	12724	12724	89071.37085	12724.48155	
30			0.33	0.04	12724	12724	12724	12724			
31			0.33	0.04	12724	12724	12724	12724			
32			0.33	0.04	12724	12724	12724	12724			
33			0.33	0.04	12724	12724	12724	12724			
34			0.33	0.04	12724	12724	12724	12724			
35			0.33	0.04	12724	12724	12724	12724			
36			0.33	0.04	12724	12724	12724	12724	89071.37085	12724.48155	
37			0.33	0.04	12724	12724	12724	12724			
38			0.33	0.04	12724	12724	12724	12724	25448.9631	12724.48155	
39											
Total (ac-ft)	0.00		1.17	1.17	1.17	1.17	1.17	1.17	1.17		
Total (gal)	0		381,734	381,734	381,734	381,734	381,734	381,734	381,734		

Water Accounting Record
July - Monthly Tab

Lake Surface Area (acres) 1.42

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.36	0.04	13881	13881	13881	13881			
2			0.36	0.04	13881	13881	13881	13881			
3			0.36	0.04	13881	13881	13881	13881			
4			0.36	0.04	13881	13881	13881	13881			
5			0.36	0.04	13881	13881	13881	13881			
6			0.36	0.04	13881	13881	13881	13881			
7			0.36	0.04	13881	13881	13881	13881	97168.7682	13881.2526	
8			0.36	0.04	13881	13881	13881	13881			
9			0.36	0.04	13881	13881	13881	13881			
10			0.36	0.04	13881	13881	13881	13881			
11			0.36	0.04	13881	13881	13881	13881			
12			0.36	0.04	13881	13881	13881	13881			
13			0.36	0.04	13881	13881	13881	13881			
14			0.36	0.04	13881	13881	13881	13881	97168.7682	13881.2526	
15			0.36	0.04	13881	13881	13881	13881			
16			0.36	0.04	13881	13881	13881	13881			
17			0.36	0.04	13881	13881	13881	13881			
18			0.36	0.04	13881	13881	13881	13881			
19			0.36	0.04	13881	13881	13881	13881			
20			0.36	0.04	13881	13881	13881	13881			
21			0.36	0.04	13881	13881	13881	13881	97168.7682	13881.2526	
22			0.36	0.04	13881	13881	13881	13881			
23			0.36	0.04	13881	13881	13881	13881			
24			0.36	0.04	13881	13881	13881	13881			
25			0.36	0.04	13881	13881	13881	13881			
26			0.36	0.04	13881	13881	13881	13881			
27			0.36	0.04	13881	13881	13881	13881			
28			0.36	0.04	13881	13881	13881	13881			
29			0.36	0.04	13881	13881	13881	13881	97168.7682	13881.2526	
30			0.36	0.04	13881	13881	13881	13881			
31			0.36	0.04	13881	13881	13881	13881			
32			0.36	0.04	13881	13881	13881	13881			
33			0.36	0.04	13881	13881	13881	13881			
34			0.36	0.04	13881	13881	13881	13881			
35			0.36	0.04	13881	13881	13881	13881			
36			0.36	0.04	13881	13881	13881	13881	97168.7682	13881.2526	
37			0.36	0.04	13881	13881	13881	13881			
38			0.36	0.04	13881	13881	13881	13881			
39			0.36	0.04	13881	13881	13881	13881	41643.7578	13881.2526	
Total (ac-ft)	0.00	0.00	1.32	1.32	1.32	1.32	1.32	1.32	1.32		
Total (gal)	0	0	430,319	430,319	430,319	430,319	430,319	430,319	430,319		

Water Accounting Record
August - Monthly Tab

Lake Surface Area (acres) 1.42

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.35	0.04	13496	13496	13496	13496			
2			0.35	0.04	13496	13496	13496	13496			
3			0.35	0.04	13496	13496	13496	13496			
4			0.35	0.04	13496	13496	13496	13496			
5			0.35	0.04	13496	13496	13496	13496			
6			0.35	0.04	13496	13496	13496	13496			
7			0.35	0.04	13496	13496	13496	13496	94469.63575	13495.66225	
8			0.35	0.04	13496	13496	13496	13496			
9			0.35	0.04	13496	13496	13496	13496			
10			0.35	0.04	13496	13496	13496	13496			
11			0.35	0.04	13496	13496	13496	13496			
12			0.35	0.04	13496	13496	13496	13496			
13			0.35	0.04	13496	13496	13496	13496			
14			0.35	0.04	13496	13496	13496	13496	94469.63575	13495.66225	
15			0.35	0.04	13496	13496	13496	13496			
16			0.35	0.04	13496	13496	13496	13496			
17			0.35	0.04	13496	13496	13496	13496			
18			0.35	0.04	13496	13496	13496	13496			
19			0.35	0.04	13496	13496	13496	13496	94469.63575	13495.66225	
20			0.35	0.04	13496	13496	13496	13496			
21			0.35	0.04	13496	13496	13496	13496			
22			0.35	0.04	13496	13496	13496	13496			
23			0.35	0.04	13496	13496	13496	13496			
24			0.35	0.04	13496	13496	13496	13496			
25			0.35	0.04	13496	13496	13496	13496			
26			0.35	0.04	13496	13496	13496	13496			
27			0.35	0.04	13496	13496	13496	13496			
28			0.35	0.04	13496	13496	13496	13496			
29			0.35	0.04	13496	13496	13496	13496	94469.63575	13495.66225	
30			0.35	0.04	13496	13496	13496	13496			
31			0.35	0.04	13496	13496	13496	13496			
32			0.35	0.04	13496	13496	13496	13496			
33			0.35	0.04	13496	13496	13496	13496			
34			0.35	0.04	13496	13496	13496	13496			
35			0.35	0.04	13496	13496	13496	13496			
36			0.35	0.04	13496	13496	13496	13496	94469.63575	13495.66225	
37			0.35	0.04	13496	13496	13496	13496			
38			0.35	0.04	13496	13496	13496	13496			
39			0.35	0.04	13496	13496	13496	13496	40486.98675	13495.66225	
40			1.28	1.28	1.28	1.28	1.28	1.28	1.28		
41			418,366	418,366	418,366	418,366	418,366	418,366	418,366		
Total (ac-ft)	0.00										
Total (gal)	0										

Water Accounting Record
September - Monthly Tab

Signed: _____

Date: _____

Lake Surface Area (acres) 1.42

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.28	0.03	10797	10797	10797	10797			
2			0.28	0.03	10797	10797	10797	10797			
3			0.28	0.03	10797	10797	10797	10797			
4			0.28	0.03	10797	10797	10797	10797			
5			0.28	0.03	10797	10797	10797	10797			
6			0.28	0.03	10797	10797	10797	10797			
7			0.28	0.03	10797	10797	10797	10797	75575.7086	10796.5298	
8			0.28	0.03	10797	10797	10797	10797			
9			0.28	0.03	10797	10797	10797	10797			
10			0.28	0.03	10797	10797	10797	10797			
11			0.28	0.03	10797	10797	10797	10797			
12			0.28	0.03	10797	10797	10797	10797			
13			0.28	0.03	10797	10797	10797	10797			
14			0.28	0.03	10797	10797	10797	10797	75575.7086	10796.5298	
15			0.28	0.03	10797	10797	10797	10797			
16			0.28	0.03	10797	10797	10797	10797			
17			0.28	0.03	10797	10797	10797	10797			
18			0.28	0.03	10797	10797	10797	10797			
19			0.28	0.03	10797	10797	10797	10797			
20			0.28	0.03	10797	10797	10797	10797			
21			0.28	0.03	10797	10797	10797	10797			
22			0.28	0.03	10797	10797	10797	10797	75575.7086	10796.5298	
23			0.28	0.03	10797	10797	10797	10797			
24			0.28	0.03	10797	10797	10797	10797			
25			0.28	0.03	10797	10797	10797	10797			
26			0.28	0.03	10797	10797	10797	10797			
27			0.28	0.03	10797	10797	10797	10797			
28			0.28	0.03	10797	10797	10797	10797			
29			0.28	0.03	10797	10797	10797	10797	75575.7086	10796.5298	
30			0.28	0.03	10797	10797	10797	10797			
31			0.28	0.03	10797	10797	10797	10797			
32			0.28	0.03	10797	10797	10797	10797			
33			0.28	0.03	10797	10797	10797	10797			
34			0.28	0.03	10797	10797	10797	10797			
35			0.28	0.03	10797	10797	10797	10797			
36			0.28	0.03	10797	10797	10797	10797	75575.7086	10796.5298	
37			0.28	0.03	10797	10797	10797	10797			
38			0.28	0.03	10797	10797	10797	10797	21593.0596	10796.5298	
39											
Total (ac-ft)	0.00	0.00	0.99	0.99	0.99	0.99	0.99	0.99	0.99		
Total (gal)	0	0	323,896	323,896	323,896	323,896	323,896	323,896	323,896		

Water Accounting Record
October - Monthly Tab

Lake Surface Area (acres) 1.42

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.20	0.02	7712	7712	7712	7712			
2			0.20	0.02	7712	7712	7712	7712			
3			0.20	0.02	7712	7712	7712	7712			
4			0.20	0.02	7712	7712	7712	7712			
5			0.20	0.02	7712	7712	7712	7712			
6			0.20	0.02	7712	7712	7712	7712			
7			0.20	0.02	7712	7712	7712	7712	53982.649	7711.807	
8			0.20	0.02	7712	7712	7712	7712			
9			0.20	0.02	7712	7712	7712	7712			
10			0.20	0.02	7712	7712	7712	7712			
11			0.20	0.02	7712	7712	7712	7712			
12			0.20	0.02	7712	7712	7712	7712			
13			0.20	0.02	7712	7712	7712	7712			
14			0.20	0.02	7712	7712	7712	7712	53982.649	7711.807	
15			0.20	0.02	7712	7712	7712	7712			
16			0.20	0.02	7712	7712	7712	7712			
17			0.20	0.02	7712	7712	7712	7712			
18			0.20	0.02	7712	7712	7712	7712			
19			0.20	0.02	7712	7712	7712	7712			
20			0.20	0.02	7712	7712	7712	7712			
21			0.20	0.02	7712	7712	7712	7712	53982.649	7711.807	
22			0.20	0.02	7712	7712	7712	7712			
23			0.20	0.02	7712	7712	7712	7712			
24			0.20	0.02	7712	7712	7712	7712			
25			0.20	0.02	7712	7712	7712	7712			
26			0.20	0.02	7712	7712	7712	7712			
27			0.20	0.02	7712	7712	7712	7712			
28			0.20	0.02	7712	7712	7712	7712			
29			0.20	0.02	7712	7712	7712	7712	53982.649	7711.807	
30			0.20	0.02	7712	7712	7712	7712			
31			0.20	0.02	7712	7712	7712	7712			
32			0.20	0.02	7712	7712	7712	7712			
33			0.20	0.02	7712	7712	7712	7712			
34			0.20	0.02	7712	7712	7712	7712			
35			0.20	0.02	7712	7712	7712	7712			
36			0.20	0.02	7712	7712	7712	7712	53982.649	7711.807	
37			0.20	0.02	7712	7712	7712	7712			
38			0.20	0.02	7712	7712	7712	7712			
39			0.20	0.02	7712	7712	7712	7712	23135.421	7711.807	
Total (ac-ft)	0.00	0.00	0.00	0.73	0.73	0.73	0.73	0.73	0.73		
Total (gal)	0	0	0	239,066	239,066	239,066	239,066	239,066	239,066		

Water Accounting Record
November - Monthly Tab

Lake Surface Area (acres) 1.42

Signed: _____
Date: _____

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.15	0.02	5784	5784	5784	5784			
2			0.15	0.02	5784	5784	5784	5784			
3			0.15	0.02	5784	5784	5784	5784			
4			0.15	0.02	5784	5784	5784	5784			
5			0.15	0.02	5784	5784	5784	5784			
6			0.15	0.02	5784	5784	5784	5784			
7			0.15	0.02	5784	5784	5784	5784	40486.98675	5783.85525	
8			0.15	0.02	5784	5784	5784	5784			
9			0.15	0.02	5784	5784	5784	5784			
10			0.15	0.02	5784	5784	5784	5784			
11			0.15	0.02	5784	5784	5784	5784			
12			0.15	0.02	5784	5784	5784	5784			
13			0.15	0.02	5784	5784	5784	5784			
14			0.15	0.02	5784	5784	5784	5784	40486.98675	5783.85525	
15			0.15	0.02	5784	5784	5784	5784			
16			0.15	0.02	5784	5784	5784	5784			
17			0.15	0.02	5784	5784	5784	5784			
18			0.15	0.02	5784	5784	5784	5784			
19			0.15	0.02	5784	5784	5784	5784			
20			0.15	0.02	5784	5784	5784	5784			
21			0.15	0.02	5784	5784	5784	5784	40486.98675	5783.85525	
22			0.15	0.02	5784	5784	5784	5784			
23			0.15	0.02	5784	5784	5784	5784			
24			0.15	0.02	5784	5784	5784	5784			
25			0.15	0.02	5784	5784	5784	5784			
26			0.15	0.02	5784	5784	5784	5784			
27			0.15	0.02	5784	5784	5784	5784			
28			0.15	0.02	5784	5784	5784	5784			
29			0.15	0.02	5784	5784	5784	5784	40486.98675	5783.85525	
30			0.15	0.02	5784	5784	5784	5784			
31			0.15	0.02	5784	5784	5784	5784			
32			0.15	0.02	5784	5784	5784	5784			
33			0.15	0.02	5784	5784	5784	5784			
34			0.15	0.02	5784	5784	5784	5784			
35			0.15	0.02	5784	5784	5784	5784			
36			0.15	0.02	5784	5784	5784	5784	40486.98675	5783.85525	
37			0.15	0.02	5784	5784	5784	5784			
38			0.15	0.02	5784	5784	5784	5784	11567.7105	5783.85525	
39											
Total (ac-ft)	0.00	0.00	0.53	0.53	0.53	0.53	0.53	0.53	0.53		
Total (gal)	0	0	173,516	173,516	173,516	173,516	173,516	173,516	173,516		

Water Accounting Record
December - Monthly Tab

Signed: _____

Date: _____

Lake Surface Area (acres) 1.42

Day	Groundwater Volume (gal)	Irrigation Volume (gal)	Evaporation Rate (in)	Evaporation (ac-ft)	Evaporation (gal)	Total Diversions (Evaporation plus Irrigation) (gal)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Required (gal)	Daily Required Increase in Groundwater Release (gal)	Comments
1			0.11	0.01	4241	4241	4241	4241			
2			0.11	0.01	4241	4241	4241	4241			
3			0.11	0.01	4241	4241	4241	4241			
4			0.11	0.01	4241	4241	4241	4241			
5			0.11	0.01	4241	4241	4241	4241			
6			0.11	0.01	4241	4241	4241	4241			
7			0.11	0.01	4241	4241	4241	4241			
8			0.11	0.01	4241	4241	4241	4241			
9			0.11	0.01	4241	4241	4241	4241			
10			0.11	0.01	4241	4241	4241	4241			
11			0.11	0.01	4241	4241	4241	4241			
12			0.11	0.01	4241	4241	4241	4241			
13			0.11	0.01	4241	4241	4241	4241			
14			0.11	0.01	4241	4241	4241	4241	59380.9139	4241.49385	
15			0.11	0.01	4241	4241	4241	4241			
16			0.11	0.01	4241	4241	4241	4241			
17			0.11	0.01	4241	4241	4241	4241			
18			0.11	0.01	4241	4241	4241	4241			
19			0.11	0.01	4241	4241	4241	4241			
20			0.11	0.01	4241	4241	4241	4241			
21			0.11	0.01	4241	4241	4241	4241			
22			0.11	0.01	4241	4241	4241	4241	59380.9139	4241.49385	
23			0.11	0.01	4241	4241	4241	4241			
24			0.11	0.01	4241	4241	4241	4241			
25			0.11	0.01	4241	4241	4241	4241			
26			0.11	0.01	4241	4241	4241	4241			
27			0.11	0.01	4241	4241	4241	4241			
28			0.11	0.01	4241	4241	4241	4241			
29			0.11	0.01	4241	4241	4241	4241			
30			0.11	0.01	4241	4241	4241	4241			
31			0.11	0.01	4241	4241	4241	4241			
32			0.11	0.01	4241	4241	4241	4241			
33			0.11	0.01	4241	4241	4241	4241			
34			0.11	0.01	4241	4241	4241	4241			
35			0.11	0.01	4241	4241	4241	4241			
36			0.11	0.01	4241	4241	4241	4241	59380.9139	4241.49385	
37			0.11	0.01	4241	4241	4241	4241			
38			0.11	0.01	4241	4241	4241	4241			
39			0.11	0.01	4241	4241	4241	4241	12724.48155	4241.49385	
Total (ac-ft)	0.00	0.00	0.40	0.40	0.40	0.40	0.40	0.40	0.40		
Total (gal)	0	0	131,486	131,486	131,486	131,486	131,486	131,486	131,486		

ANNUAL TAB

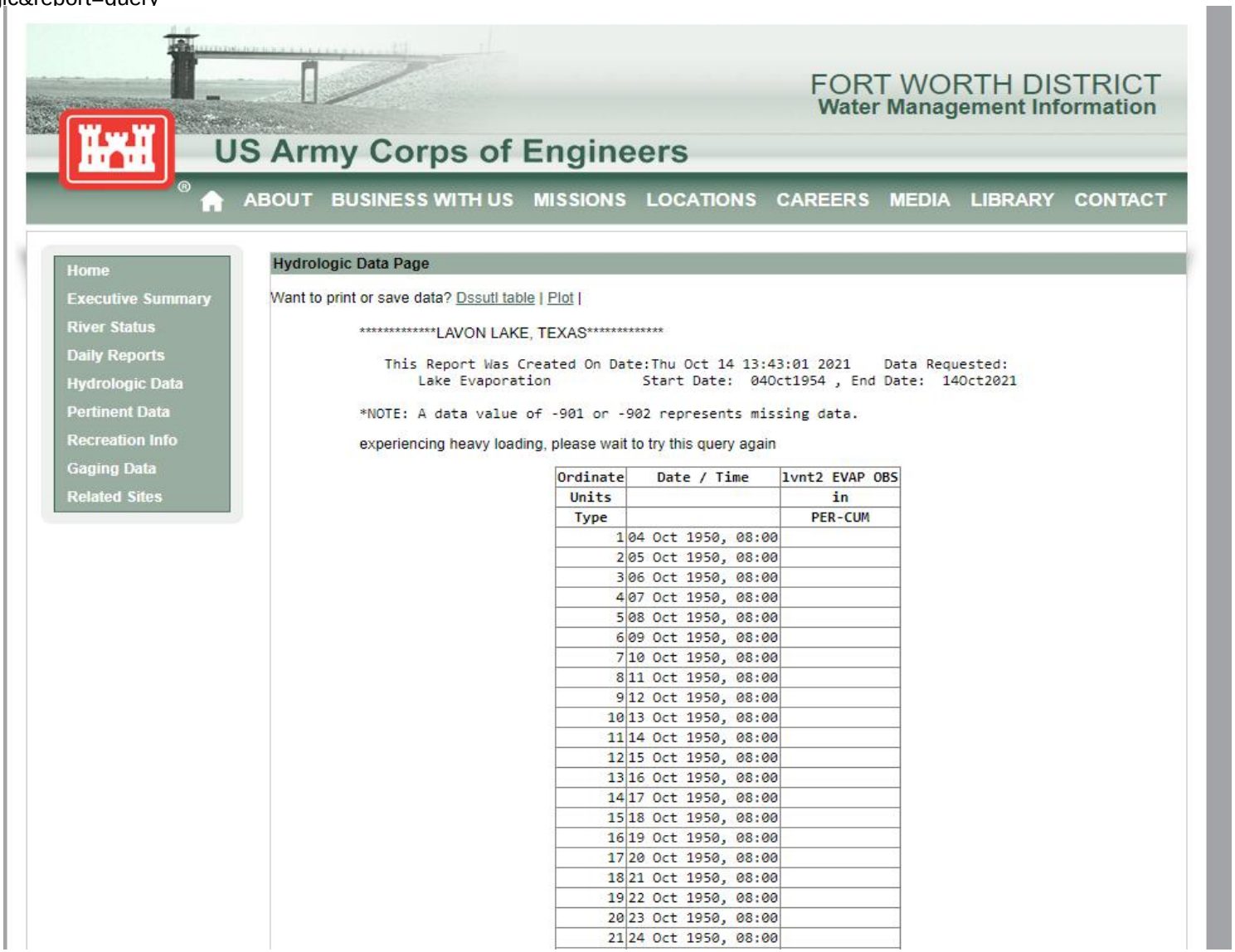
Year	

Month	Groundwater Volume (ac-ft)	Irrigation Volume (ac-ft)	Evaporation (ac-ft)	Calculated Net Change (gal)	Net Water Lost (gal)	Supplemental Groundwater Release (ac-ft)
January	0.00	0.00	0.40	0.40	0.40	0.40
February	0.00	0.00	0.50	0.50	0.50	0.50
March	0.00	0.00	0.70	0.70	0.70	0.70
April	0.00	0.00	0.85	0.85	0.85	0.85
May	0.00	0.00	1.03	1.03	1.03	1.03
June	0.00	0.00	1.17	1.17	1.17	1.17
July	0.00	0.00	1.32	1.32	1.32	1.32
August	0.00	0.00	1.28	1.28	1.28	1.28
September	0.00	0.00	0.99	0.99	0.99	0.99
October	0.00	0.00	0.73	0.73	0.73	0.73
November	0.00	0.00	0.53	0.53	0.53	0.53
December	0.00	0.00	0.40	0.40	0.40	0.40
Total	0.00	0.00	9.92	9.92	9.92	9.92

Calculated Results
Applicant data entry
Calculation
Data from ACOE
Other Project Specific Data
References Other Sheet
Not used

DATA SOURCE FOR REFERENCE

https://www.swf-wc.usace.army.mil/cgi-bin/rcshtml.pl?lake=lvnt2&sdate=04Oct1954&edate=14Oct2021&evap=on&csrf=KNdw8V9MXm&get_data=GET_DATA&page=Hydrologic&report=query



FORT WORTH DISTRICT
Water Management Information

US Army Corps of Engineers

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- River Status
- Daily Reports
- Hydrologic Data
- Pertinent Data
- Recreation Info
- Gaging Data
- Related Sites

Hydrologic Data Page

Want to print or save data? Dssutl table | Plot |

**********LAVON LAKE, TEXAS**********

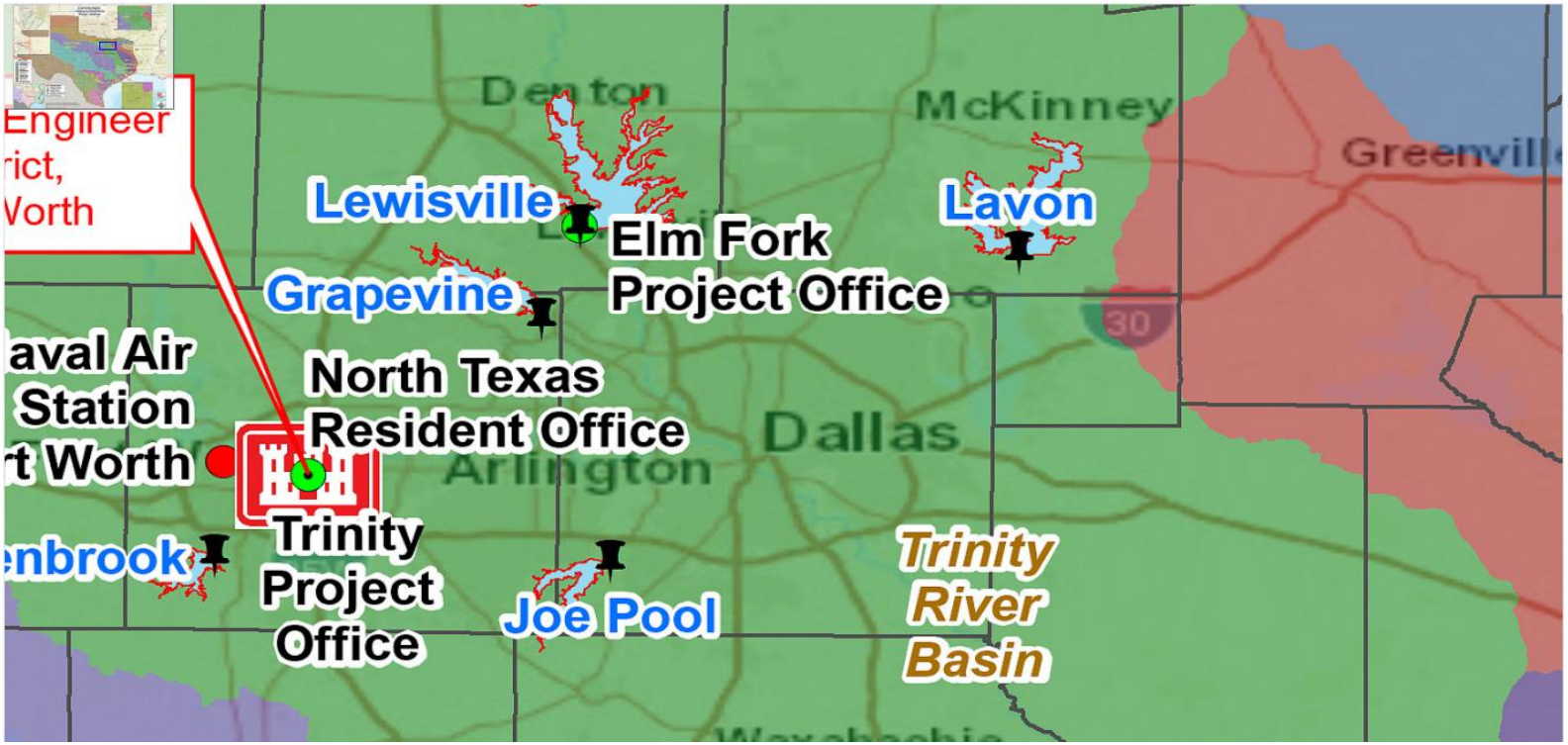
This Report Was Created On Date:Thu Oct 14 13:43:01 2021 Data Requested:
Lake Evaporation Start Date: 04Oct1954 , End Date: 14Oct2021

*NOTE: A data value of -901 or -902 represents missing data.

experiencing heavy loading, please wait to try this query again

Ordinate	Date / Time	lvnt2 EVAP OBS
Units		in
Type		PER-CUM
1	04 Oct 1950, 08:00	
2	05 Oct 1950, 08:00	
3	06 Oct 1950, 08:00	
4	07 Oct 1950, 08:00	
5	08 Oct 1950, 08:00	
6	09 Oct 1950, 08:00	
7	10 Oct 1950, 08:00	
8	11 Oct 1950, 08:00	
9	12 Oct 1950, 08:00	
10	13 Oct 1950, 08:00	
11	14 Oct 1950, 08:00	
12	15 Oct 1950, 08:00	
13	16 Oct 1950, 08:00	
14	17 Oct 1950, 08:00	
15	18 Oct 1950, 08:00	
16	19 Oct 1950, 08:00	
17	20 Oct 1950, 08:00	
18	21 Oct 1950, 08:00	
19	22 Oct 1950, 08:00	
20	23 Oct 1950, 08:00	
21	24 Oct 1950, 08:00	

Civil and Military Boundaries



WORKSHEET 8.0
CALCULATION OF FEES

This worksheet is for calculating required application fees. Applications are not Administratively Complete until all required fees are received. **Instructions, Page. 34**

1. NEW APPROPRIATION

	Description	Amount ($)
Filing Fee	Circle fee correlating to the total amount of water* requested for any new appropriation and/or impoundment. Amount should match total on Worksheet 1, Section 1. Enter corresponding fee under **Amount ($).** In Acre-Feet a. Less than 100 $100.00 b. 100 - 5,000 $250.00 c. 5,001 - 10,000 $500.00 d. 10,001 - 250,000 $1,000.00 e. More than 250,000 $2,000.00	$100
Recording Fee		$25.00
Agriculture Use Fee	*Only for those with an Irrigation Use.* Multiply 50¢ x_____Number of acres that will be irrigated with State Water. **	
Use Fee	*Required for all Use Types, **excluding Irrigation Use.*** Multiply $1.00 x_____Maximum annual diversion of State Water in acre-feet. **	
Recreational Storage Fee	*Only for those with Recreational Storage.* Multiply $1.00 x 3.15 acre-feet of in-place Recreational Use State Water to be stored at normal max operating level.	$3.15
Storage Fee	*Only for those with Storage, **excluding Recreational Storage.*** Multiply 50¢ x_____acre-feet of State Water to be stored at normal max operating level.	
Mailed Notice	Cost of mailed notice to all water rights in the basin. Contact Staff to determine the amount (512) 239-4600.	$459.66
	TOTAL	$587.81

2. AMENDMENT *OR* SEVER AND COMBINE

	Description	Amount ($)
Filing Fee	Amendment: $100	
	OR Sever and Combine: $100 x____of water rights to combine	
Recording Fee		$12.50
Mailed Notice	Additional notice fee to be determined once application is submitted.	
	TOTAL INCLUDED	$

3. BED AND BANKS

	Description	Amount ($)
Filing Fee		$100.00
Recording Fee		$12.50
Mailed Notice	Additional notice fee to be determined once application is submitted.	
	TOTAL INCLUDED	$

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 18-44-202

GWDB Reports and Downloads

Well Basic Details

Scanned Documents

State Well Number	1844202
County	Collin
River Basin	Trinity
Groundwater Management Area	8
Regional Water Planning Area	C - Region C
Groundwater Conservation District	North Texas GCD
Latitude (decimal degrees)	33.3488889
Latitude (degrees minutes seconds)	33° 20' 56" N
Longitude (decimal degrees)	-96.5477778
Longitude (degrees minutes seconds)	096° 32' 52" W
Coordinate Source	Global Positioning System - GPS
Aquifer Code	212WDBN - Woodbine Sand
Aquifer	Woodbine
Aquifer Pick Method	
Land Surface Elevation (feet above sea level)	712
Land Surface Elevation Method	Digital Elevation Model -DEM
Well Depth (feet below land surface)	1557
Well Depth Source	Driller's Log
Drilling Start Date	
Drilling End Date	4/9/1976
Drilling Method	Mud (Hydraulic) Rotary
Borehole Completion	Gravel Pack w/Screen

Well Type	Withdrawal of Water
Well Use	Public Supply
Water Level Observation	GCD Current Observation Well
Water Quality Available	Yes
Pump	Submersible
Pump Depth (feet below land surface)	
Power Type	Electric Motor
Annular Seal Method	
Surface Completion	
Owner	City of Anna Well
Driller	J.L. Myers Company
Other Data Available	Aquifer Test; Drillers Log; Electric Log
Well Report Tracking Number	
Plugging Report Tracking Number	
U.S. Geological Survey Site Number	
Texas Commission on Environmental Quality Source Id	G0430027B
Groundwater Conservation District Well Number	
Owner Well Number	1
Other Well Number	
Previous State Well Number	
Reporting Agency	Texas Water Development Board
Created Date	10/27/1976
Last Update Date	9/21/2021

Remarks	Measured yield 150 GPM with 138 feet drawdown after pumping 24 hours in 1976. Pumping level 637 feet. Recover test three hours. Pump set at 750 feet. Cemented from 0 to 1300 feet. Underreamed and gravel packed from 1300 to 1557 feet. Aquifer test data in TWDB files. Originally owner well # 2, but now well #1 after original well #1 was plugged.

Casing

Diameter (in.)	Casing Type	Casing Material	Schedule	Gauge	Top Depth (ft.)	Bottom Depth (ft.)
16	Blank	Steel			0	20
10	Blank	Steel			0	1300
6	Blank	Steel			1098	1300
6	Screen	Stainless Steel			1300	1328
6	Blank	Steel			1328	1335
6	Screen	Stainless Steel			1335	1356
6	Blank	Steel			1356	1360
6	Screen	Stainless Steel			1360	1365
6	Blank	Steel			1365	1430
6	Screen	Stainless Steel			1430	1456
6	Blank	Steel			1456	1496
6	Screen	Stainless Steel			1496	1506
6	Blank	Steel			1506	1512
6	Screen	Stainless Steel			1512	1526
6	Blank	Steel			1526	1557

Well Tests - No Data

Lithology

Top Depth (ft.)	Bottom Depth (ft.)	Description
0	2	SURFACE SOIL
2	422	AUSTIN CHALK ROCK
422	987	EAGLE FORD SHALE
987	1006	SAND
1006	1103	SHALE W/ SAND STRKS
1103	1110	SAND
1110	1122	SHALE
1122	1237	SANDY SHALE
1237	1282	SHALE
1282	1366	SAND W/ SHALE BREAKS
1366	1410	SHALE
1410	1456	SAND W/ SHALE BREAKS
1456	1492	SHALE
1492	1540	SAND W/ SHALE BREAKS
1540	1557	SHALE

Annular Seal Range - No Data

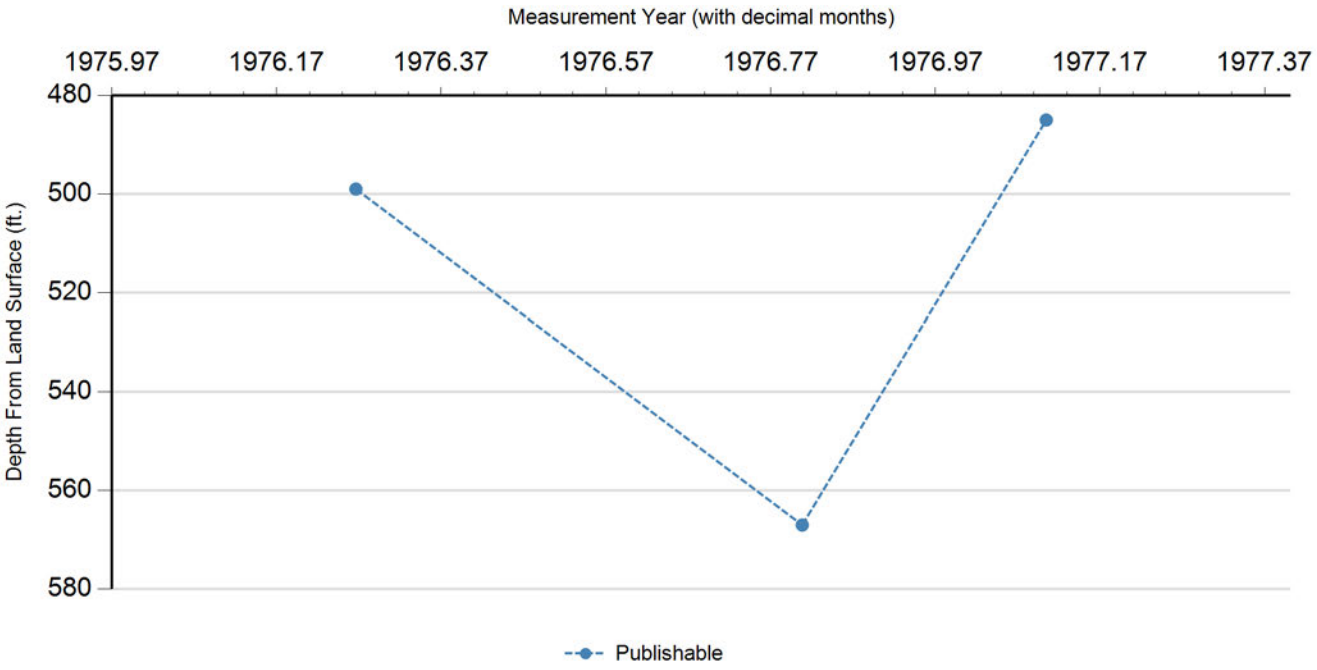
Borehole - No Data

Plugged Back - No Data

Filter Pack - No Data

Packers - No Data

Water Level Measurements



Status Code	Date	Time	Water Level (ft. below land surface)	Change value in ( ) indicates rise in level	Water Elevation (ft. above sea level)	Meas #	Measuring Agency	Method	Remark ID	Comments
P	4/9/1976		499		213	1	Registered Water Well Driller	Air Line		
P	10/27/1976		567	68.00	145	1	Texas Water Development Board	Air Line		
P	2/10/1977		485	(82.00)	227	1	Texas Water Development Board	Air Line		

Code Descriptions

Status Code	Status Description
P	Publishable

Water Quality Analysis

Sample Date: 4/8/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Registered Water Well Driller

Sampled Aquifer: Woodbine Sand

Analyzed Lab: Pope Testing Lab **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		17.8	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		356.4	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		391.49	mg/L	
00910	CALCIUM (MG/L)		1.6	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		21.36	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		38.4	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		6	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		200	ug/L	
00920	MAGNESIUM (MG/L)		0.5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		0	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.3	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		7.01		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		35.18		
00932	SODIUM, CALCULATED, PERCENT		98	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		243.9	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		975	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		121	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		620	mg/L	

Water Quality Analysis

Sample Date: 10/20/1976 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Municipal Water Agency or Public Water Supply Corp

Sampled Aquifer: Woodbine Sand

Analyzed Lab: Texas Department of Health **Reliability:** Reliability unknown or not available

Collection Remarks: No Data

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		8	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		350	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		407.6	mg/L	
00910	CALCIUM (MG/L)		3	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		9.6	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		66	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		11	mg/L	
01045	IRON, TOTAL (UG/L AS FE)		180	ug/L	
00920	MAGNESIUM (MG/L)	<	1	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)	<	0.4	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.77		
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		32.57		
00932	SODIUM, CALCULATED, PERCENT		97	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		255	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1188	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		119	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		655	mg/L	

Texas Water Development Board (TWDB)
Groundwater Database (GWDB)
Well Information Report for State Well Number 18-44-202

Water Quality Analysis

Sample Date: 6/20/1983 **Sample Time:** 0000 **Sample Number:** 1 **Collection Entity:** Texas Water Development Board

Sampled Aquifer: Woodbine Sand

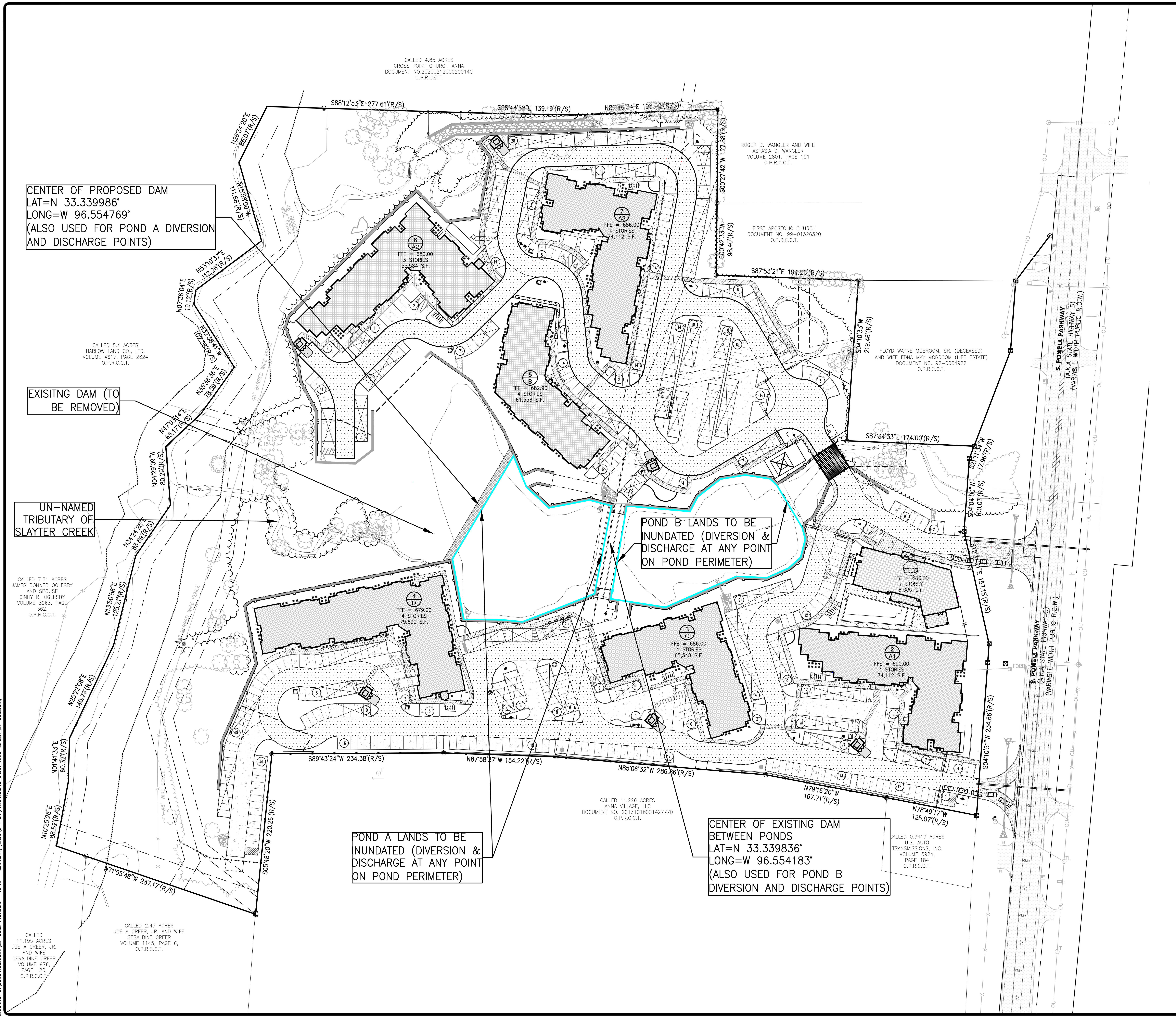
Analyzed Lab: Texas Department of Health **Reliability:** From well not sufficiently pumped; not filtered or preserved

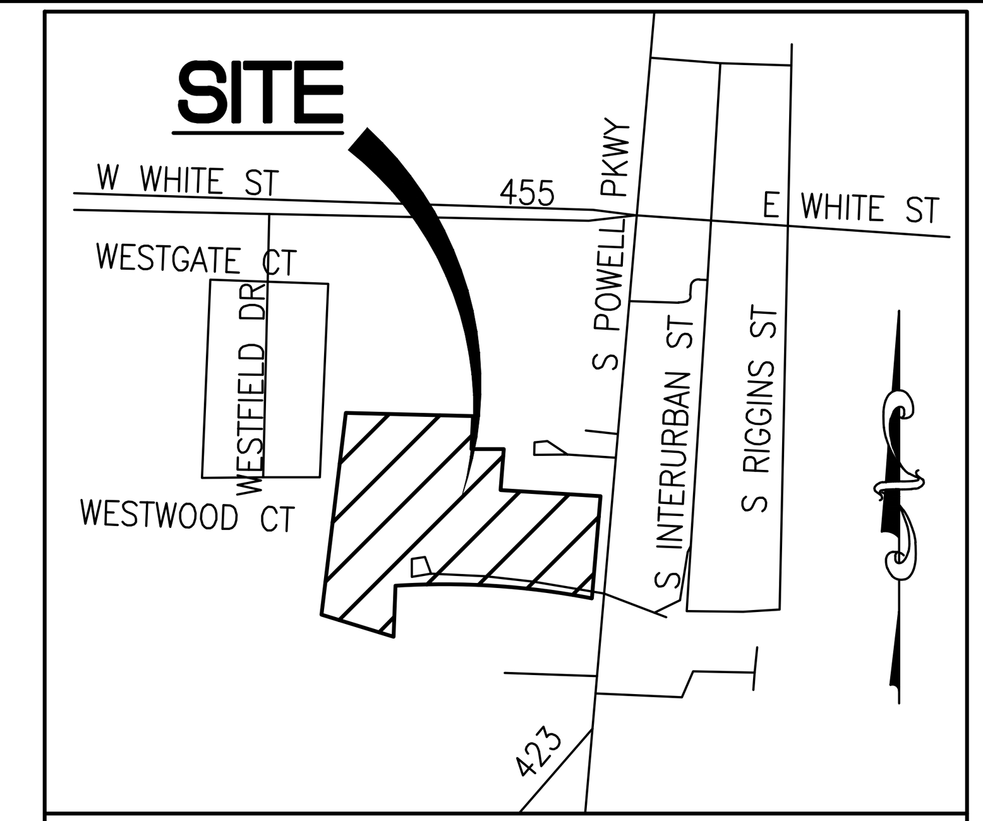
Collection Remarks: pumped recently- from tank

Parameter Code	Parameter Description	Flag	Value*	Units	Plus/Minus
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)		9	mg/L	
00410	ALKALINITY, TOTAL (MG/L AS CACO3)		348	mg/L	
00440	BICARBONATE ION, CALCULATED (MG/L AS HCO3)		402.71	mg/L	
00910	CALCIUM (MG/L)		1.6	mg/L	
00445	CARBONATE ION, CALCULATED (MG/L AS CO3)		10.8	mg/L	
00940	CHLORIDE, TOTAL (MG/L AS CL)		70	mg/L	
00950	FLUORIDE, DISSOLVED (MG/L AS F)		1.3	mg/L	
00900	HARDNESS, TOTAL, CALCULATED (MG/L AS CACO3)		6	mg/L	
00920	MAGNESIUM (MG/L)		0.5	mg/L	
71851	NITRATE NITROGEN, DISSOLVED, CALCULATED (MG/L AS NO3)		2.61	mg/L	
00400	PH (STANDARD UNITS), FIELD		8.6	SU	
71860	RESIDUAL SODIUM CARBONATE, CALCULATED		6.84		
70300	RESIDUE, TOTAL FILTERABLE (DRIED AT 180C), MG/L		694	mg/L	
00955	SILICA, DISSOLVED (MG/L AS SI02)		11	mg/L	
00931	SODIUM ADSORPTION RATIO, CALCULATED (SAR)		46.34		
00932	SODIUM, CALCULATED, PERCENT		98	PCT	
00929	SODIUM, TOTAL (MG/L AS NA)		262	mg/L	
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM AT 25C)		1210	MICR	
00945	SULFATE, TOTAL (MG/L AS SO4)		123	mg/L	
70301	TOTAL DISSOLVED SOLIDS , SUM OF CONSTITUENTS (MG/L)		680	mg/L	

** Value may not display all significant digits for parameter in results, check Scanned Documents for laboratory paperwork..*

Map (Ponds, Diversion and Discharge, Inundated Area, etc.)





LOCATION MAP
NOT TO SCALE

WATER RIGHTS NOTES

POND A VOLUME:	5,323 CUBIC YARDS
POND A SURFACE AREA:	30,587 SQ FT OR 0.70 ACRES
POND B VOLUME:	2,184 CUBIC YARDS
POND B SURFACE AREA:	31,499 SQ FT OR 0.72 ACRES

DEVELOPER/OWNER:
PROVIDENT REALTY ADVISORS
10210 N CENTRAL EXPRESSWAY
SUITE 300 DALLAS, TEXAS 75231
PHONE: (972) 385-4112

WATERVIEW APARTMENTS
1220 SOUTH POWELL PARKWAY
ANNA, TEXAS 75409

TCEQ WATER RIGHTS PERMITTING EXHIBIT

Cole® + DALLAS
Frisco Square
6175 Main Street
Suite 367
Frisco, TX 75034
972.624.6000 tel
www.coletx.com
CIVIL ENGINEERING / SURVEYING / PLANNING / LANDSCAPE ARCHITECTURE
Texas Board of Professional Engineers and Land Surveyors
Registered Engineering Firm, F-10253 Corporate Land Surveying Firm, #10193871
Cole & Associates, Inc. is a Missouri Corporation d.b.a. Cole Design Group, Inc. in Arizona & Texas herein referred to as "Cole"

SITE PLAN
CITY PROJECT NO. SP 2021-0009

WATERVIEW APARTMENTS
20.799 ACRES
LOT 1, BLOCK A
GRANDERSON STARK SURVEY, ABSTRACT NO. 798
CITY OF ANNA, COLLIN COUNTY, TEXAS
PREPARATION DATE 00/00/00

OWNER
PROVIDENT REALTY ADVISORS
JOHN HICKMAN
10210 N. CENTRAL EXPRESSWAY,
SUITE 300
DALLAS, TX 75203
972-385-4112

LANDSCAPE ARCHITECT
COLE DESIGN GROUP, INC.
JEREMY DON ROACH
POWER HOUSE AT UNION STATION,
401 S. 18TH STREET, SUITE 200,
ST. LOUIS, MO 63103
314-984-9887

ENGINEER
COLE DESIGN GROUP, INC.
JAMES T. ROTH P.E.
6175 MAIN ST, STE 367
FRISCO, TX 75034
972-624-6000

SURVEYOR
COLE DESIGN GROUP, INC.
DANIEL L. JACKSON
6175 MAIN ST, STE 367
FRISCO, TX 75034
972-624-6000

DESIGN/CALC BY	MAB/LLW/CMK
DRAWN BY	MAB/LLW/CMK
CHECKED BY	KAK/EJM/JTR
DRAWING SCALE	AS SHOWN
DATE	06/18/2021
JOB NUMBER	20-0085-00B
SHEET NUMBER	EX-1

Drainage Area Map

2.2 Post-Project Watershed Analysis

The pre-project watershed analysis was copied and modified to represent the project site developing according to the site plan provided by Cole. DA004 and DA005 both contain a portion of the project site in existing conditions. The curve numbers for these basins were recalculated to reflect the post-project land use shown in Figure 5. The lag time for basin DA005 was reduced from 11.6 in pre-project conditions to 7.5 minutes in post-project conditions. The DA004 lag time was not modified for post-project conditions as the portion of the project site located in DA004 would not affect the longest flowpath of the basin. Post-project curve number calculations are provided in Appendix B. No other modifications were made to the post-project watershed analysis.

Table 2 provides a summary of existing watershed hydrologic parameters for post-project conditions. The only values changed from the pre-project parameters in Table 1 are the curve numbers for DA004 and DA005 and the lag time for DA005.

Table 2 - Post-Project Watershed Parameters

HMS Element	Area (mi^2)	Curve Number	Lag Time (min)
DA001	0.5027	81.8	22.6
DA002	0.9472	85.5	19.8
DA003	0.4309	89.0	13.5
DA004	0.1559	87.4	19.5
DA005	0.0235	93.1	7.5
DA006	0.0496	83.1	14.0
DA007	0.2067	83.5	24.1

2.3 Watershed Analysis Results

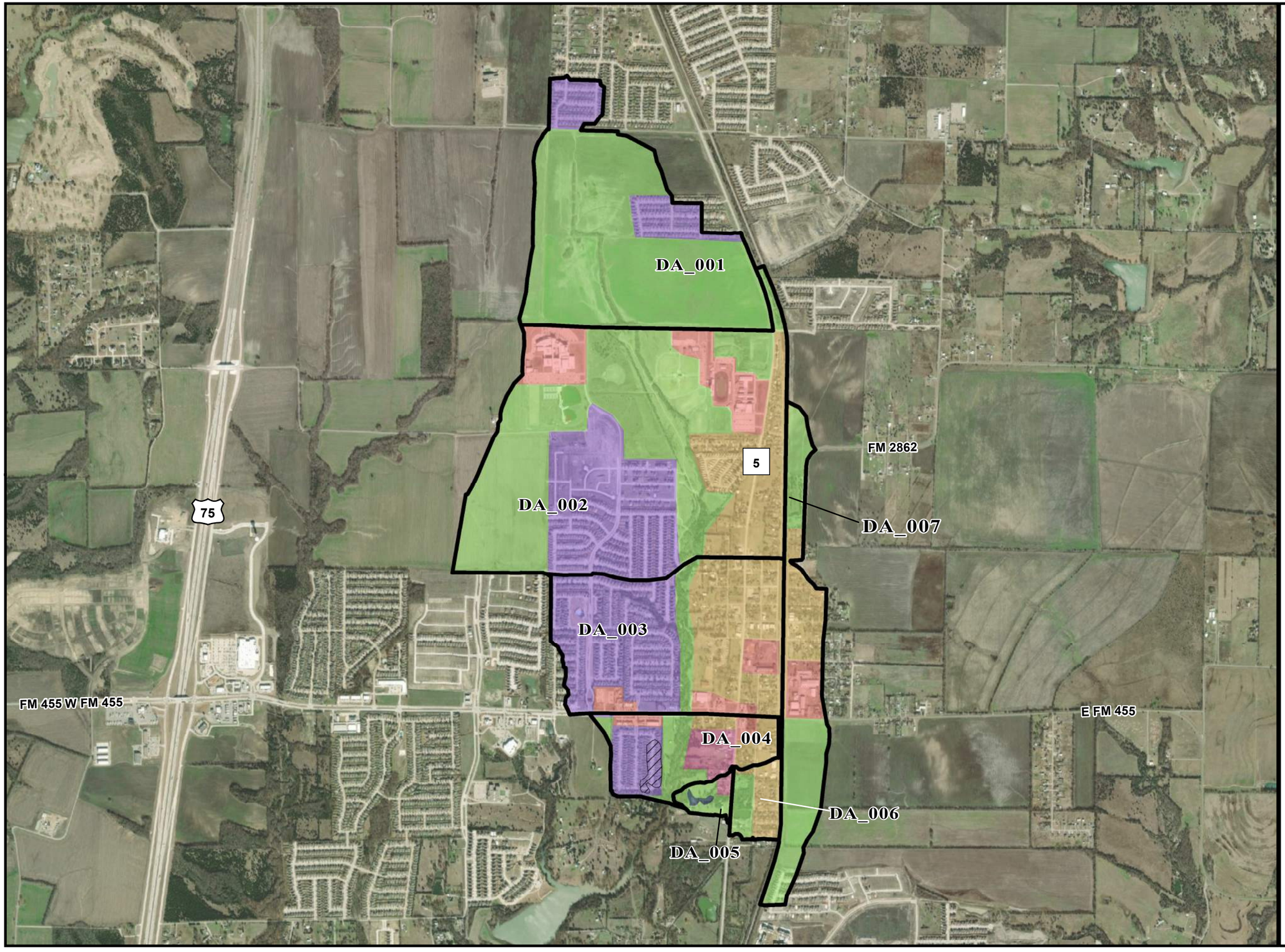
The watershed analysis of Slayter Creek was performed to determine what impact the project site would have on 100-year peak discharges downstream of the site in Slayter Creek. Table 3 provides a comparison of 100-year peak discharges from pre-project to post-project conditions based on the existing watershed.

Table 3 - Comparison of 100-year Peak Discharges in Slayter Creek

HMS Element	Pre-Project Discharge (cfs)	Post-Project Discharge (cfs)	Difference (cfs)	% Difference
DA001	1415	1415	0	0.00%
DA002	2988	2988	0	0.00%
DA003	1712	1712	0	0.00%
DA004	505	509	4	0.69%
DA005	94	124	30	31.84%
DA006	182	182	0	0.00%
DA007	575	575	0	0.00%
J001	1415	1415	0	0.00%
J002	3688	3688	0	0.00%

WATERVIEW APARTMENTS ANNA, TX

FIGURE 4: PRE-PROJECT LAND USE MAP



Existing Conditions Drainage Areas

Land Use

- Commercial
- Open Space - Good
- Residential 1 acre
- Residential 1/2 acre
- Residential 1/8 acre
- Water
- Soil Group C (All others are Group D)

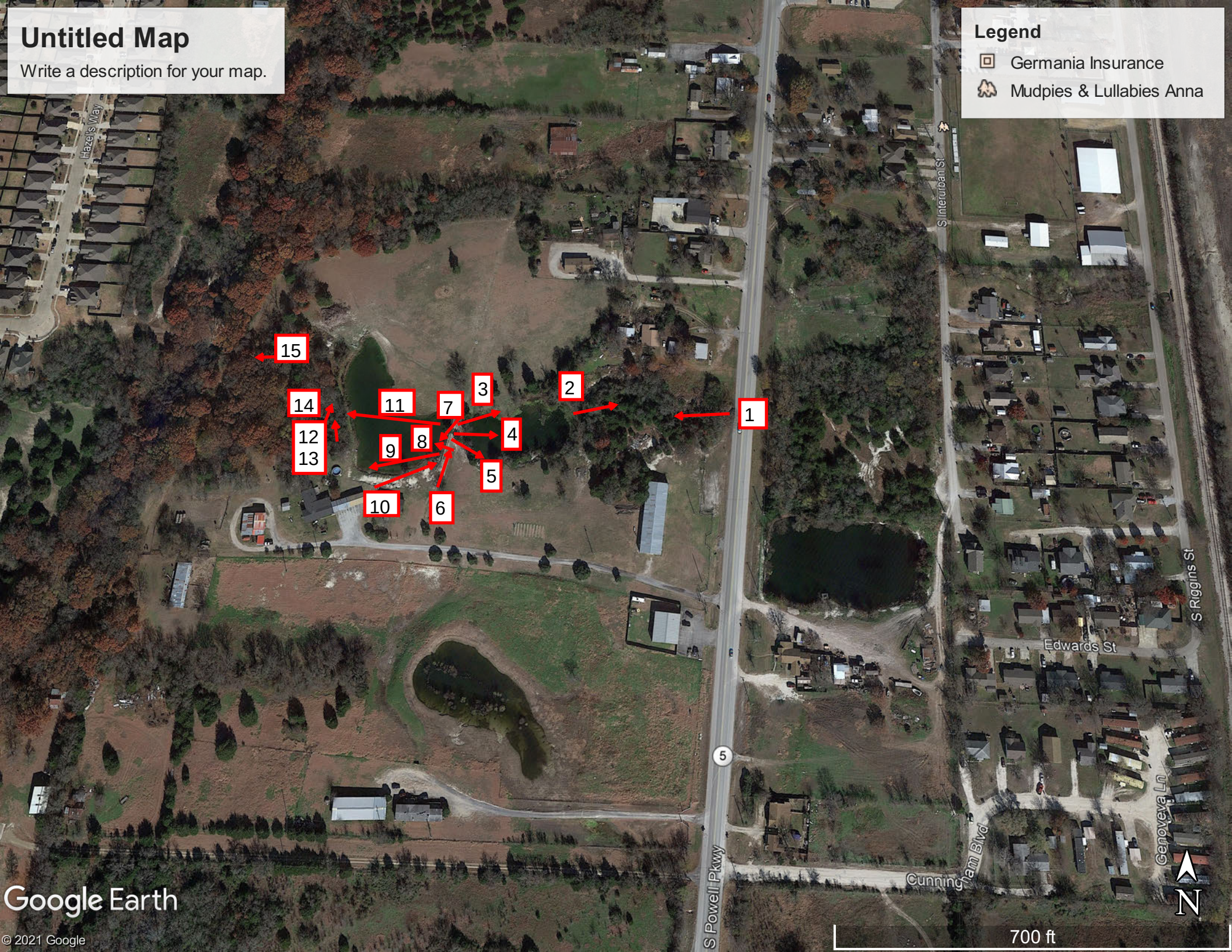
N

0 1,800 3,600

Feet

CARDINAL STRATEGIES

Aerial Photograph with Site Photo Key


Untitled Map
Write a description for your map.
Legend
Germania Insurance
Mudpies & Lullabies Anna
Hazel's Way
S Interurban St
S Riggins St
Edwards St
Cunningham Blvd
Genoveva Ln
S Powell Pkwy
5
15
14
12
13
11
9
10
8
7
6
3
5
4
2
1
N
700 ft
Google Earth
© 2021 Google

Site Photographs

1-CULVERT ON WEST/DOWMSTREAM SIDE OF S POWELL

2-EAST/UPSTREAM END OF POND

3-N END OF ROAD BETWEEN PONDS LOOKING E/NE

4-STANDING ON ROAD BETWEEN PONDS LOOKING EAST

5- STANDING AT ROAD BEWTTN PONDS LOOKING E/SE

6-ROAD BETWEEN PONDS LOOKING NORTH

7-DOUBLE 48 INCH RCP BETWEEN TWO PONDS

8- RCP DOWNSTREAM OF ROAD BETWEEN PONDS

9-BETWEEN TWO PONDS LOOKING W SW

10-STANDING NEAR HOUSE LOOKING EAST TOWARDS ROAD BETWEEN PONDS

11-DAM WITH 2-18” SPILLWAY PIPES

12-DOWNSTREAM END OF SPILLWAY PIPES

13-DOWNSTREAM OF DAM

14-DOWNSTREAM SPILLWAY 2

15-NEAR W PROP LINE, UPSTREAM END OF CULVERT

Property Deeds

20220120000105080 01/20/2022 10:23:24 AM D1 1/10

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER

SPECIAL WARRANTY DEED

STATE OF TEXAS §
§ KNOW ALL BY THESE PRESENTS:
COUNTY OF COLLIN §

THAT, Provident Realty Development Services LLC ("**Grantor**"), whose address is 10210 N. Central Expressway, Suite 300, Dallas, TX 75231 for and in consideration of the sum of THREE MILLION AND 00/100 DOLLARS ($3,000,000.00) and other good and valuable consideration to Grantor in hand paid by VILLAGE COMMUNITIES DEVELOPMENT CORPORATION, a Texas nonprofit public facility corporation ("**Grantee**"), whose address is 1611 N. Robison Rd., Texarkana, Texas 75501-4113, the receipt and sufficiency of which are hereby acknowledged and confessed, has GRANTED, BARGAINED, SOLD AND CONVEYED, and by these presents does GRANT, BARGAIN, SELL AND CONVEY, unto Grantee, the real property described on **Exhibit A** attached hereto and incorporated herein by this reference (the "**Land**"), together with all right, title and interest of Grantor, if any, in and to (i) all improvements, fixtures, privileges and appurtenances; (ii) utilities, sewage treatment capacity, water capacity, drainage and detention rights, if any, which serve the Land and improvements now or hereafter constructed thereon; (iii) any land lying in the bed of any street, road, avenue or alley, open or closed, in front of or adjoining the Land and in existence as of the date of this Special Warranty Deed (the "**Deed**"), to the center line thereof; (iv) all strips or gores abutting, bounding or which are adjacent or contiguous to the Land (whether owned or claimed by deed, limitations or otherwise); and (v) any and all reversionary rights and remainders appurtenant to the Land (together with the Land, collectively, the "**Property**").

This conveyance is subject to the valid and subsisting easements, restrictions, covenants, conditions and outstanding mineral and royalty interests affecting the Property and described on **Exhibit B** attached hereto of record in Collin County, Texas (the "**Permitted Exceptions**"), but only to the extent that such Permitted Exceptions affect or relate to the Property.

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances thereunto in anyway belonging unto Grantee, its successors and assigns, FOREVER. Grantor does hereby bind itself, its successors and assigns, TO WARRANT AND FOREVER DEFEND all and singular the Property unto Grantee, its successors and assigns, against every person whomsoever lawfully claiming, or to claim the same, or any part thereof, by, through or under

349858

Grantor, but not otherwise.

Ad valorem taxes and assessments for the current calendar year have been prorated as of the date hereof, and Grantee assumes and agrees to pay all ad valorem taxes and assessments assessed against the above-described Property for 2022 (and all subsequent years) prior to delinquency and further agree to save, defend, indemnify and hold Grantor harmless from all such taxes and assessments.

[Remainder of page intentionally left blank]

EXECUTED on the date of the acknowledgment set forth herein below to be effective, however, as of the 19 day of January, 2022 which latter date shall be deemed the date hereof for all purposes (the "**Effective Date**").

GRANTOR:
PROVIDENT REALTY DEVELOPMENT SERVICES, LLC

By: _____
Name: Julian Hawes, Sr.
Title: Vice President

Date: 1-18-22

STATE OF TEXAS §
§
COUNTY OF DALLAS §

On this 18 day of JANUARY, 2022, before me, personally appeared JULIAN HAWES, Vice President of Provident Realty Development Services, LLC, who, being by me duly sworn did say that he executed the foregoing instrument, and acknowledged that he executed it as her free act and deed, on behalf of said limited liability company.

TANA ADAME
Notary Public, State of Texas
Comm. Expires 10-08-2024
Notary ID 125685970

Tana Adame
NOTARY PUBLIC
My commission expires: 10-8-24

[Seal]

After Recording Return To:
Republic Title of Texas, Inc.
201 Main Street, Suite 1400
Fort Worth, TX 76102

EXHIBIT A

THE PROPERTY

EXHIBIT A

LEGAL DESCRIPTION

BEING A CALLED 20.799 ACRES TRACT OF LAND SITUATED IN THE GRANDERSON STARK SURVEY, ABSTRACT NO. 798 IN THE CITY OF ANNA IN COLLIN COUNTY, TEXAS, BEING THAT SAME TRACT OF LAND DESCRIBED IN SPECIAL WARRANTY DEED TO ANNA 21, LLC, RECORDED IN DOCUMENT NO. 20191101001387120, OFFICIAL PUBLIC RECORDS, COLLIN COUNTY, TEXAS (O.P.R.C.C.T.), BEING MORE PARTICULARLY DESCRIBED HEREIN BY METES AND BOUNDS AS FOLLOWS:

BEGINNING AT A 1/2 INCH IRON ROD FOUND FOR THE NORTHERLY NORTHEAST CORNER OF SAID ANNA 21 TRACT AND THE NORTHWEST CORNER OF A TRACT OF LAND DESCRIBED IN DEED TO ROGER D. WANGLER AND WIFE ASPASIA D. WANGLER RECORDED IN VOLUME 2801, PAGE 151, O.P.R.C.C.T. AND BEING IN THE SOUTH LINE OF A CALLED 4.85 ACRES TRACT OF LAND DESCRIBED IN DEED TO CROSS POINT CHURCH ANNA, RECORDED IN DOCUMENT NO. 20200212000200140, O.P.R.C.C.T.;

THENCE SOUTH 00 DEGREES 27 MINUTES 42 SECONDS WEST, WITH THE EAST LINE OF SAID ANNA 21 TRACT AND WEST LINE OF SAID WANGLER TRACT, A DISTANCE OF 127.88' FEET TO A 1/2 INCH IRON ROD FOUND FOR THE SOUTHWEST CORNER OF SAID WANGLER TRACT AND NORTHWEST CORNER OF A TRACT OF LAND DESCRIBED AS TRACT ONE AND TRACT TWO IN DEED TO FIRST APOSTOLIC CHURCH, RECORDED IN VOLUME 4531, PAGE 810, O.P.R.C.C.T.;

THENCE SOUTH 00 DEGREES 42 MINUTES 33 SECONDS WEST, CONTINUING WITH THE EASTERLY LINE OF SAID ANNA 21 TRACT AND WEST LINE OF SAID FIRST APOSTOLIC CHURCH TRACTS, A DISTANCE OF 98.40 FEET TO A 1/2 INCH IRON ROD FOUND FOR THE SOUTHWEST CORNER OF SAID FIRST APOSTOLIC CHURCH TRACT TWO AND ELL CORNER OF SAID ANNA 21 TRACT;

THENCE SOUTH 87 DEGREES 53 MINUTES 21 SECONDS EAST, WITH THE NORTH LINE OF SAID ANNA 21 TRACT AND SOUTH LINE OF SAID FIRST APOSTOLIC CHURCH TRACT TWO, A DISTANCE OF 194.25 FEET TO A 1/2 INCH IRON ROD FOUND FOR THE NORTHWEST CORNER OF A TRACT OF LAND DESCRIBED IN DEED TO FLOYD WAYNE MCBROOM, SR. (DECEASED) AND EDNA MAY MCBROOM (LIFE ESTATE) RECORDED IN DOCUMENT NO. 92-0064922, O.P.R.C.C.T. AND ELL CORNER OF SAID ANNA 21 TRACT;

THENCE SOUTH 04 DEGREES 10 MINUTES 33 SECONDS WEST, WITH THE WEST LINE OF SAID MCBROOM TRACT AND EAST LINE OF SAID ANNA 21 TRACT, A DISTANCE OF 219.46 FEET TO A 1/2 INCH IRON ROD FOUND FOR THE SOUTHWEST CORNER OF SAID MCBROOM TRACT AND ELL CORNER OF SAID ANNA 21 TRACT;

THENCE SOUTH 87 DEGREES 34 MINUTES 33 SECONDS EAST, WITH THE SOUTH LINE OF SAID MCBROOM TRACT AND NORTH LINE OF SAID ANNA 21 TRACT, A

DISTANCE OF 174.00 FEET TO A 5/8 INCH IRON ROD STAMPED "TXDOT ROW" FOUND FOR THE SOUTHEAST CORNER OF SAID MCBROOM TRACT AND ANGLE CORNER OF SAID ANNA 21 TRACT AND BEING IN THE WESTERLY RIGHT-OF-WAY (R.O.W.) LINE OF STATE HIGHWAY NO. 5 ALSO KNOWN AS POWELL PARKWAY (A CALLED VARIABLE WIDTH R.O.W.);

THENCE WITH THE EASTERLY LINE OF SAID ANNA 21 TRACT AND WESTERLY LINE OF SAID STATE HIGHWAY NO. 5 A.K.A. POWELL PARKWAY THE FOLLOWING COURSES AND DISTANCES:

SOUTH 21 DEGREES 11 MINUTES 34 SECONDS WEST, A DISTANCE OF 17.96 FEET TO A 5/8 INCH IRON ROD STAMPED "TXDOT ROW" FOUND FOR CORNER;

SOUTH 04 DEGREES 04 MINUTES 00 SECONDS WEST, A DISTANCE OF 100.03 FEET TO A 5/8 INCH IRON ROD STAMPED "TXDOT ROW" FOUND FOR CORNER;

SOUTH 12 DEGREES 31 MINUTES 21 SECONDS EAST, A DISTANCE OF 157.15 FEET TO A 5/8 INCH IRON ROD STAMPED "TXDOT ROW" FOUND FOR CORNER;

THENCE SOUTH 04 DEGREES 10 MINUTES 51 SECONDS WEST, A DISTANCE OF 234.66 FEET TO A 5/8 INCH IRON ROD STAMPED "TXDOT ROW" FOUND FOR THE EASTERLY SOUTHEAST CORNER OF SAID ANNA 21 TRACT AND NORTHEAST CORNER OF A CALLED 0.3417 ACRE TRACT OF LAND DESCRIBED IN DEED TO U.S. AUTO TRANSMISSIONS, INC. RECORDED IN VOLUME 5924, PAGE 184, O.P.R.C.C.T.;

THENCE NORTH 78 DEGREES 49 MINUTES 17 SECONDS WEST, DEPARTING THE WESTERLY LINE OF SAID STATE HIGHWAY NO. 5 A.K.A. POWELL ROAD, AND WITH THE SOUTH LINE OF SAID ANNA 21 TRACT AND NORTH LINE OF SAID U.S. AUTO TRANSMISSIONS TRACT, A DISTANCE OF 125.07 FEET TO A 5/8 INCH IRON ROD FOUND FOR THE NORTHWEST CORNER OF SAID U.S. AUTO TRANSMISSIONS TRACT AND NORTHERLY NORTHEAST CORNER OF A CALLED 11.226 ACRES TRACT OF LAND DESCRIBED IN DEED TO ANNA VILLAGE, LLC RECORDED IN DOCUMENT NO. 20131016001427770, O.P.R.C.C.T.;

THENCE WITH THE SOUTHERLY LINE OF SAID ANNA 21 TRACT AND NORTHERLY LINE OF SAID ANNA VILLAGE TRACT THE FOLLOWING COURSES AND DISTANCES:

NORTH 79 DEGREES 16 MINUTES 20 SECONDS WEST, A DISTANCE OF 167.71 FEET TO A 5/8 INCH IRON ROD FOUND FOR CORNER;

NORTH 85 DEGREES 06 MINUTES 32 SECONDS WEST, A DISTANCE OF 286.86 FEET TO A 5/8 INCH IRON ROD FOUND FOR CORNER;

NORTH 87 DEGREES 58 MINUTES 37 SECONDS WEST, A DISTANCE OF 154.22 FEET TO A 5/8 INCH IRON ROD FOUND FOR CORNER;

THENCE SOUTH 89 DEGREES 43 MINUTES 24 SECONDS WEST, A DISTANCE OF 234.38 FEET TO A 5/8 INCH IRON ROD FOUND FOR ELL CORNER OF SAID ANNA 21 TRACT AND NORTHWEST CORNER OF SAID ANNA VILLAGE TRACT;

THENCE SOUTH 05 DEGREES 48 MINUTES 20 SECONDS WEST, WITH THE WEST LINE OF SAID ANNA VILLAGE TRACT AND EAST LINE OF SAID ANNA 21 TRACT, A DISTANCE OF 220.26 FEET TO A 1/2 INCH IRON ROD FOUND FOR THE NORTHEAST CORNER OF A TRACT OF A CALLED 2.47 ACRES TRACT OF LAND DESCRIBED IN DEED TO JOE A. GREER, JR. AND WIFE GERALDINE GREER RECORDED IN VOLUME 1145, PAGE 6, O.P.R.C.C.T.;

THENCE NORTH 71 DEGREES 05 MINUTES 48 SECONDS WEST, WITH THE NORTH LINE OF SAID GREER TRACT (1145/6) AND SOUTH LINE OF SAID ANNA 21 TRACT, PASSING THE NORTHWEST CORNER OF SAID GREER TRACT (1145/6) AND NORTHEAST CORNER OF A CALLED 11.195 ACRES TRACT DESCRIBED IN DEED TO JOE A. GREER, JR. AND WIFE GERALDINE GREER RECORDED IN VOLUME 976, PAGE 120, O.P.R.C.C.T. AND CONTINUING FOR A TOTAL DISTANCE OF 287.17 FEET TO A POINT FOR THE NORTHWEST CORNER OF SAID GREER TRACT IN THE CENTERLINE OF SLAYTER CREEK AND BEING IN THE EASTERLY LINE OF A CALLED 7.82 ACRES TRACT OF LAND DESCRIBED IN DEED TO KIM THOMAS POOLE AND RUTH ANN POOLE, HUSBAND AND WIFE, RECORDED IN DOCUMENT NO. 20090917001159430, O.P.R.C.C.T.;

THENCE NORTH 10 DEGREES 25 MINUTES 28 SECONDS EAST, ALONG THE WESTERLY LINE OF SAID ANNA 21 TRACT AND THE EASTERLY LINE OF SAID POOLE TRACT, AND ALONG SAID CENTERLINE OF SLAYTER CREEK PASSING THE NORTHEASTERLY CORNER OF SAID POOLE TRACT AND SOUTHEASTERLY CORNER OF A CALLED 7.511 ACRES TRACT OF LAND DESCRIBED IN DEED TO JAMES BONNER OGLESBY AND SPOUSE, CINDY R. OGLESBY RECORDED IN VOLUME 3963, PAGE 362, O.P.R.C.C.T. AND CONTINUING FOR A TOTAL DISTANCE OF 88.52 FEET TO A POINT FOR CORNER;

THENCE NORTH 01 DEGREES 41 MINUTES 33 SECONDS EAST, CONTINUING ALONG THE WESTERLY LINE OF SAID ANNA 21 TRACT AND THE EASTERLY LINE OF SAID OGLESBY TRACT AND ALONG SAID CENTERLINE OF SLAYTER CREEK, A DISTANCE OF 60.32 FEET TO A POINT FOR CORNER;

THENCE NORTH 25 DEGREES 22 MINUTES 08 SECONDS EAST, CONTINUING ALONG THE WESTERLY LINE OF SAID ANNA 21 TRACT AND THE EASTERLY LINE OF SAID OGLESBY TRACT AND ALONG SAID CENTERLINE OF SLAYTER CREEK, PASSING THE SOUTHERNMOST CORNER OF A CALLED 8.4 ACRES TRACT OF LAND DESCRIBED IN DEED TO HARLOW LAND CO., LTD. RECORDED IN VOLUME 4617, PAGE 2624, O.P.R.C.C.T. AND CONTINUING FOR A TOTAL DISTANCE OF 140.77 FEET TO A POINT FOR CORNER;

THENCE ALONG THE WESTERLY LINE OF SAID HARLOW LAND CO., LTD. TRACT, THE EASTERLY LINE OF SAID ANNA 21 TRACT AND WITH THE CENTERLINE OF SAID SLAYTER CREEK THE FOLLOWING COURSES AND DISTANCES:

NORTH 13 DEGREES 50 MINUTES 56 SECONDS EAST, A DISTANCE OF 125.21 FEET TO A POINT FOR CORNER;

NORTH 34 DEGREES 24 MINUTES 28 SECONDS EAST, A DISTANCE OF 83.89 FEET TO A POINT FOR CORNER;

NORTH 04 DEGREES 29 MINUTES 09 SECONDS WEST, A DISTANCE OF 80.29 FEET TO A POINT FOR CORNER;

NORTH 47 DEGREES 03 MINUTES 14 SECONDS EAST, A DISTANCE OF 65.17 FEET TO A POINT FOR CORNER;

NORTH 35 DEGREES 38 MINUTES 36 SECONDS EAST, A DISTANCE OF 78.59 FEET TO A POINT FOR CORNER;

NORTH 32 DEGREES 38 MINUTES 41 SECONDS WEST, A DISTANCE OF 102.28 FEET TO A POINT FOR CORNER;

NORTH 07 DEGREES 36 MINUTES 04 SECONDS EAST, A DISTANCE OF 19.12 FEET TO A POINT FOR CORNER;

NORTH 53 DEGREES 10 MINUTES 37 SECONDS EAST, A DISTANCE OF 112.26 FEET TO A POINT FOR CORNER;

NORTH 15 DEGREES 58 MINUTES 00 SECONDS WEST, A DISTANCE OF 111.68 FEET TO A POINT FOR CORNER;

THENCE NORTH 26 DEGREES 34 MINUTES 20 SECONDS EAST, A DISTANCE OF 85.07 FEET TO A POINT FOR CORNER IN THE SOUTH LINE OF SAID CROSS POINT CHURCH ANNA TRACT;

THENCE SOUTH 88 DEGREES 12 MINUTES 53 SECONDS EAST, DEPARTING THE CENTERLINE OF SAID SLAYTER CREEK AND WITH THE NORTH LINE OF SAID ANNA 21 TRACT AND SOUTH LINE OF SAID CROSS POINT CHURCH ANNA TRACT, A DISTANCE OF 277.61 FEET TO A NAIL FOUND FOR CORNER;

THENCE SOUTH 88 DEGREES 44 MINUTES 58 SECONDS EAST, CONTINUING WITH THE NORTH LINE OF SAID ANNA 21 TRACT AND SOUTH LINE OF SAID CROSS POINT CHURCH ANNA TRACT, A DISTANCE OF 139.19 FEET TO A NAIL FOUND FOR CORNER;

THENCE NORTH 87 DEGREES 46 MINUTES 34 SECONDS EAST, CONTINUING WITH THE NORTH LINE OF SAID ANNA 21 TRACT AND SOUTH LINE OF SAID CROSS POINT CHURCH ANNA TRACT, A DISTANCE OF 198.90 FEET TO THE POINT OF BEGINNING, AND CONTAINING, WITHIN THE METES AND BOUNDS HEREIN RECITED, 20.799 ACRES, (906,034 SQ. FT.) MORE OR LESS.

EXHIBIT B

PERMITTED ENCUMBRANCES

None.

Filed and Recorded
Official Public Records
Stacey Kemp, County Clerk
Collin County, TEXAS
01/20/2022 10:23:24 AM
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