Administrative Package Cover Page

This file contains the following documents:

1. Summary of application (in plain language)
   - English
   - Alternative Language (Spanish)
2. First Notice (NORI-Notice of Receipt of Application and Intent to Obtain a Permit)
   - English
   - Alternative Language (Spanish)
3. Application materials

Portada de Paquete Administrativo

Este archivo contiene los siguientes documentos:

1. Resumen en lenguaje sencillo (PLS, por sus siglas en inglés) de la actividad propuesta
   - Inglés
   - Idioma alternativo (español)
2. Primer aviso (NORI, por sus siglas en inglés)
   - Inglés
   - Idioma alternativo (español)
3. Solicitud original

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Terrell Timmermann Farms, LP (CN606063709) proposes to operate Coupland MUD #1 Wastewater Treatment Plant (5. Enter Regulated Entity Number here (i.e., RN1########)), an activated sludge domestic wastewater treatment facility. The facility will be located at approximately 1.07 miles northeast of the FM 1600 and Highway 95 intersection, in Taylor, Williamson County, Texas 76574. This application is for a new authorization to discharge treated domestic wastewater at an average daily flow not to exceed 300,000 gallons per day.

Discharges from the facility are expected to contain five-day carbonaceous oxygen demand (CBOD5), Total Suspended Solids (TSS), Ammonia Nitrogen (NH3-N), Phosphorus (P). and Escherichia coli. Domestic Wastewater will be treated by an activated sludge process and the treatment units include a bar screen, aeration basins, clarifiers, chlorine contact basin, effluent filters, and sludge holding basins.

PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

Terrell Timmermann Farms, LP (CN606063709) propone operar la planta de Coupland MUD #1(RN), una planta de tratamiento de aguas residuales domesticas e lodos activados. La instalación estará ubicada en approximadamente 1.07 miles al noreste de la interseccion de FM 1660 y Highway 95, en Taylor, Condado de Williamson, Texas 76574. Esta solicitud es para una nueva autorización para descargar aguas residuales tratadas en un volumen que no exceda un flujo promedio diario de 300,000 galones por día.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxigeno carbonoso de cinco días ($CBOD_5$), y Solidos total suspendidos (TSS), y Nitrógeneo Amoniaco (NH3-N), Fósforo (P), y Escherichia coli. Las aguas residuales domesticas. estará tratado por una planta de processo de lodos activados, y las unidades de tratamiento incluyen una pantalla de barra, cuencas de aireación, y clarificadores, y cuencas de contacto con cloro (o desinfección ultravioleta), filtros de efluentes, y cuencas de retención de lodos. .

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

NOTICE OF RECEIPT OF APPLICATION AND INTENT TO OBTAIN WATER QUALITY PERMIT

PROPOSED PERMIT NO. WQ0016842001

APPLICATION. Terrell Timmermann Farms, LP, 501 Vale Street, Austin, Texas 78746, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016842001 (EPA I.D. No. TX0148121) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 300,000 gallons per day. The domestic wastewater treatment facility will be located approximately 1.07 miles northeast of the intersection of Farm-to-Market Road 1660 and State Highway 95, near the city of Taylor, in Williamson County, Texas 76574. The discharge route will be from the plant site to Boggy Creek; thence to Brushy Creek. TCEQ received this application on July 7, 2025. The permit application will be available for viewing and copying at Georgetown Public Library, 402 West 8th Street, Georgetown, in Williamson County, Texas prior to the date this notice is published in the newspaper. The application, including any updates, and associated notices are available electronically at the following webpage: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. This link to an electronic map of the site or facility's general location is provided as a public courtesy and not part of the application or notice. For the exact location, refer to the application.
https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.3987,30.4894&level=18

ALTERNATIVE LANGUAGE NOTICE. Alternative language notice in Spanish is available at: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.
El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

ADDITIONAL NOTICE. TCEQ's Executive Director has determined the application is administratively complete and will conduct a technical review of the application. After technical review of the application is complete, the Executive Director may prepare a draft permit and will issue a preliminary decision on the application. **Notice of the Application and Preliminary Decision will be published and mailed to those who are on the county-wide mailing list and to those who are on the mailing list for this application. That notice will contain the deadline for submitting public comments.**

PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting on this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ will hold a public meeting if the Executive Director determines that there is a significant degree of public

interest in the application or if requested by a local legislator. A public meeting is not a contested case hearing.

OPPORTUNITY FOR A CONTESTED CASE HEARING. After the deadline for submitting public comments, the Executive Director will consider all timely comments and prepare a response to all relevant and material, or significant public comments. **Unless the application is directly referred for a contested case hearing, the response to comments, and the Executive Director's decision on the application, will be mailed to everyone who submitted public comments and to those persons who are on the mailing list for this application. If comments are received, the mailing will also provide instructions for requesting reconsideration of the Executive Director's decision and for requesting a contested case hearing.** A contested case hearing is a legal proceeding similar to a civil trial in state district court.

TO REQUEST A CONTESTED CASE HEARING, YOU MUST INCLUDE THE FOLLOWING ITEMS IN YOUR REQUEST: your name, address, phone number; applicant's name and proposed permit number; the location and distance of your property/activities relative to the proposed facility; a specific description of how you would be adversely affected by the facility in a way not common to the general public; a list of all disputed issues of fact that you submit during the comment period and, the statement "[I/we] request a contested case hearing." If the request for contested case hearing is filed on behalf of a group or association, the request must designate the group's representative for receiving future correspondence; identify by name and physical address an individual member of the group who would be adversely affected by the proposed facility or activity; provide the information discussed above regarding the affected member's location and distance from the facility or activity; explain how and why the member would be affected; and explain how the interests the group seeks to protect are relevant to the group's purpose.

Following the close of all applicable comment and request periods, the Executive Director will forward the application and any requests for reconsideration or for a contested case hearing to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.

The Commission may only grant a request for a contested case hearing on issues the requestor submitted in their timely comments that were not subsequently withdrawn. **If a hearing is granted, the subject of a hearing will be limited to disputed issues of fact or mixed questions of fact and law relating to relevant and material water quality concerns submitted during the comment period.**

MAILING LIST. If you submit public comments, a request for a contested case hearing or a reconsideration of the Executive Director's decision, you will be added to the mailing list for this specific application to receive future public notices mailed by the Office of the Chief Clerk. In addition, you may request to be placed on: (1) the permanent mailing list for a specific applicant name and permit number; and/or (2) the mailing list for a specific county. If you wish to be placed on the permanent and/or the county mailing list, clearly specify which list(s) and send your request to TCEQ Office of the Chief Clerk at the address below.

INFORMATION AVAILABLE ONLINE. For details about the status of the application, visit the Commissioners' Integrated Database at www.tceq.texas.gov/goto/cid. Search the database using the permit number for this application, which is provided at the top of this notice.

AGENCY CONTACTS AND INFORMATION. All public comments and requests must be submitted either electronically at **https://www14.tceq.texas.gov/epic/eComment/**, or in writing to the Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Please be aware that any contact information you provide, including your name, phone number, email address and physical address will become part of the agency's public record. For more information about this permit application or the permitting process, please call the TCEQ Public Education Program, Toll Free, at 1-800-687-4040 or visit their website at www.tceq.texas.gov/goto/pep. Si desea información en Español, puede llamar al 1-800-687-4040.

Further information may also be obtained from Terrell Timmermann Farms, LP at the address stated above or by calling Mr. Michael Bevilacqua, P.E., Senior Project Manager, Baxter & Woodman, at 737-358-8103.

Issuance Date: July 21, 2025

Comisión de Calidad Ambiental del Estado de Texas

AVISO DE RECIBO DE LA SOLICITUD Y
EL INTENTO DE OBTENER PERMISO PARA LA CALIDAD DEL AGUA

PERMISO PROPUESTO NO. WQ0016842001

SOLICITUD. Terrell Timmermann Farms, LP, 501 Vale Street, Austin, Texas 78746, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016842001 (EPA I.D. No. TX 0148121) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 300,000 galones por día. La planta estará ubicada aproximadamente a 1,07 millas al noreste de la intersección de Farm-to-Market Road 1660 y la carretera estatal 95, cerca de la ciudad de Taylor, en el Condado de Williamson, Texas 76574. La ruta de descarga estará del sitio de la planta a Boggy Creek, y de allí a Brushy Creek. La TCEQ recibió esta solicitud el 7 de julio de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca Publica de Georgetown, 402 West 8th Street, Georgetown, en el Condado de Williamson, Texas antes de la fecha de publicación de este aviso en el periódico. La solicitud (cualquier actualización y aviso inclusive) está disponible electrónicamente en la siguiente página web: https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.3987,30.4894&level=18

AVISO DE IDIOMA ALTERNATIVO. El aviso de idioma alternativo en español está disponible en https://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications.

AVISO ADICIONAL. El Director Ejecutivo de la TCEQ ha determinado que la solicitud es administrativamente completa y conducirá una revisión técnica de la solicitud. Después de completar la revisión técnica, el Director Ejecutivo puede preparar un borrador del permiso y emitirá una Decisión Preliminar sobre la solicitud. **El aviso de la solicitud y la decisión preliminar serán publicados y enviado a los que están en la lista de correo de las personas a lo largo del condado que desean recibir los avisos y los que están en la lista de correo que desean recibir avisos de esta solicitud. El aviso dará la fecha límite para someter comentarios públicos.**

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés

público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO. Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a todo los comentarios públicos esenciales, pertinentes, o significativos. **A menos que la solicitud haya sido referida directamente a una audiencia administrativa de lo contencioso, la respuesta a los comentarios y la decisión del Director Ejecutivo sobre la solicitud serán enviados por correo a todos los que presentaron un comentario público y a las personas que están en la lista para recibir avisos sobre esta solicitud. Si se reciben comentarios, el aviso también proveerá instrucciones para pedir una reconsideración de la decisión del Director Ejecutivo y para pedir una audiencia administrativa de lo contencioso.** Una audiencia administrativa de lo contencioso es un procedimiento legal similar a un procedimiento legal civil en un tribunal de distrito del estado.

PARA SOLICITAR UNA AUDIENCIA DE CASO IMPUGNADO, USTED DEBE INCLUIR EN SU SOLICITUD LOS SIGUIENTES DATOS: su nombre, dirección, y número de teléfono; el nombre del solicitante y número del permiso; la ubicación y distancia de su propiedad/actividad con respecto a la instalación; una descripción específica de la forma cómo usted sería afectado adversamente por el sitio de una manera no común al público en general; una lista de todas las cuestiones de hecho en disputa que usted presente durante el período de comentarios; y la declaración "[Yo/nosotros] solicito/solicitamos una audiencia de caso impugnado". Si presenta la petición para una audiencia de caso impugnado de parte de un grupo o asociación, debe identificar una persona que representa al grupo para recibir correspondencia en el futuro; identificar el nombre y la dirección de un miembro del grupo que sería afectado adversamente por la planta o la actividad propuesta; proveer la información indicada anteriormente con respecto a la ubicación del miembro afectado y su distancia de la planta o actividad propuesta; explicar cómo y porqué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Después del cierre de todos los períodos de comentarios y de petición que aplican, el Director Ejecutivo enviará la solicitud y cualquier petición para reconsideración o para una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración durante una reunión programada de la Comisión.

La Comisión sólo puede conceder una solicitud de una audiencia de caso impugnado sobre los temas que el solicitante haya presentado en sus comentarios oportunos que no fueron retirados posteriormente. **Si se concede una audiencia, el tema de la audiencia estará limitado a cuestiones de hecho en disputa o cuestiones mixtas de hecho y de derecho relacionadas a intereses pertinentes y materiales de calidad del agua que se hayan presentado durante el período de comentarios.**

LISTA DE CORREO. Si somete comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante

indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado especifico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

INFORMACIÓN DISPONIBLE EN LÍNEA. Para detalles sobre el estado de la solicitud, favor de visitar la Base de Datos Integrada de los Comisionados en www.tceq.texas.gov/goto/cid. Para buscar en la base de datos, utilizar el número de permiso para esta solicitud que aparece en la parte superior de este aviso.

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentadas electrónicamente vía http://www14.tceq.texas.gov/epic/eComment/ o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficial de la Secretaría (Office of Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Tenga en cuenta que cualquier información personal que usted proporcione, incluyendo su nombre, número de teléfono, dirección de correo electrónico y dirección física pasarán a formar parte del registro público de la Agencia. Para obtener más información acerca de esta solicitud de permiso o el proceso de permisos, llame al programa de educación pública de la TCEQ, gratis, al 1-800-687-4040. Si desea información en Español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Terrell Timmermann Farms, LP a la dirección indicada arriba o llamando a Mr. Michael Bevilacqua, P.E. al 737-358-8103.

Fecha de emisión: 21 de julio de 2025

TERRELL TIMMERMANN FARMS, LP

TCEQ TPDES PERMIT APPLICATION

COUPLAND MUD #1
WASTEWATER TREATMENT PLANT

Prepared by:

BAXTER & WOODMAN Consulting Engineers

TX Registered Engineering Firm F-21783
301 Denali Pass, Suite 3
Cedar Park, TX, 78613
(815) 459-1260

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BAXTER & WOODMAN
Consulting Engineers

July 7, 2025

TCEQ
Application Review and Processing Team (MC-158)
PO Box 13087
Austin, TX 78711

Re: New TPDES Permit Application
Terrell Timmermann Farms, LP
CN606063709
Coupland Mud #1 Wastewater Treatment Plant

To Whom it May Concern,

The attached application is for a new TPDES permit for Terrell Timmerman Farms LP's proposed Coupland Mud #1 Wastewater Treatment Plant (WWTP). The proposed WWTP is located in Williamson County, approximately 1.07 miles northeast of the FM 1660 and Highway 95 intersection in Taylor, TX 76574. The proposed permit is for the treatment and discharge of up to 300,000-gpd of treated effluent in the final phase. Proposed effluent parameters are provided in the technical report.

If you have any questions, or need additional information, please do not hesitate to contact us. My email is mbevilacqua@baxterwoodman.com

Sincerely,

Michael Bevilaqua, P.E.
BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS

Texas Registered Engineering Firm F-21783

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Terrell Timmermann Farms, LP

PERMIT NUMBER (If new, leave blank): WQ00Click to enter text.

Indicate if each of the following items is included in your application.

	Y	N		Y	N
Administrative Report 1.0	☒	☐	Original USGS Map	☒	☐
Administrative Report 1.1	☒	☐	Affected Landowners Map	☒	☐
SPIF	☒	☐	Landowner Disk or Labels	☒	☐
Core Data Form	☒	☐	Buffer Zone Map	☒	☐
Summary of Application (PLS)	☒	☐	Flow Diagram	☒	☐
Public Involvement Plan Form	☒	☐	Site Drawing	☒	☐
Technical Report 1.0	☒	☐	Original Photographs	☒	☐
Technical Report 1.1	☒	☐	Design Calculations	☒	☐
Worksheet 2.0	☒	☐	Solids Management Plan	☒	☐
Worksheet 2.1	☐	☒	Water Balance	☐	☒
Worksheet 3.0	☐	☒			
Worksheet 3.1	☐	☒			
Worksheet 3.2	☐	☒			
Worksheet 3.3	☐	☒			
Worksheet 4.0	☐	☒			
Worksheet 5.0	☐	☒			
Worksheet 6.0	☐	☒			
Worksheet 7.0	☐	☒			

For TCEQ Use Only

Segment Number _____County _____
Expiration Date _____Region_____
Permit Number _____

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

For any questions about this form, please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 26)

Indicate the amount submitted for the application fee (check only one).

Flow	New/Major Amendment	Renewal
<0.05 MGD	$350.00 ☐	$315.00 ☐
≥0.05 but <0.10 MGD	$550.00 ☐	$515.00 ☐
≥0.10 but <0.25 MGD	$850.00 ☐	$815.00 ☐
≥0.25 but <0.50 MGD	$1,250.00 ☒	$1,215.00 ☐
≥0.50 but <1.0 MGD	$1,650.00 ☐	$1,615.00 ☐
≥1.0 MGD	$2,050.00 ☐	$2,015.00 ☐

Minor Amendment (for any flow) $150.00 ☐

Payment Information:

Mailed — Check/Money Order Number: 1893

Check/Money Order Amount: $1,250.00

Name Printed on Check: Terrell Timmermann Farms LP

EPAY — Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

a. Check the box next to the appropriate authorization type.

☐ Publicly Owned Domestic Wastewater

☒ Privately-Owned Domestic Wastewater

☐ Conventional Water Treatment

b. Check the box next to the appropriate facility status.

☐ Active ☒ Inactive

c. Check the box next to the appropriate permit type.

☒ TPDES Permit

☐ TLAP

☐ TPDES Permit with TLAP component

☐ Subsurface Area Drip Dispersal System (SADDS)

d. Check the box next to the appropriate application type

☒ New

☐ Major Amendment *with* Renewal

☐ Major Amendment *without* Renewal

☐ Renewal without changes

☐ Minor Amendment *with* Renewal

☐ Minor Amendment *without* Renewal

☐ Minor Modification of permit

e. For amendments or modifications, describe the proposed changes: Click to enter text.

f. For existing permits:

Permit Number: WQ00 Click to enter text.

EPA I.D. (TPDES only): TX Click to enter text.

Expiration Date: Click to enter text.

Section 3. Facility Owner (Applicant) and Co-Applicant Information (Instructions Page 26)

A. The owner of the facility must apply for the permit.

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

Terrell Timmermann Farms, LP

(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/

CN: 606063709

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in *30 TAC § 305.44*.

Prefix: Mr. Last Name, First Name: Timmermann, Barth

Title: Manager Credential: Click to enter text.

B. Co-applicant information. Complete this section only if another person or entity is required to apply as a co-permittee.

What is the Legal Name of the co-applicant applying for this permit?

Click to enter text.

(The legal name must be spelled exactly as filed with the TX SOS, with the County, or in the legal documents forming the entity.)

If the co-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/

CN: Click to enter text.

What is the name and title of the person signing the application? The person must be an executive official meeting signatory requirements in *30 TAC § 305.44*.

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Provide a brief description of the need for a co-permittee: Click to enter text.

C. Core Data Form

Complete the Core Data Form for each customer and include as an attachment. If the customer type selected on the Core Data Form is **Individual**, complete **Attachment 1** of Administrative Report 1.0. A

Section 4. Application Contact Information (Instructions Page 27)

This is the person(s) TCEQ will contact if additional information is needed about this application. Provide a contact for administrative questions and technical questions.

A. Prefix: Mr. Last Name, First Name: Bevilacqua, Michael

Title: Senior Project Manager Credential: P.E.

Organization Name: Baxter & Woodman

Mailing Address: 301 Denali Pass, Suite 3 City, State, Zip Code: Cedar Park, TX 78613

Phone No.: 737-358-8103 E-mail Address: mbevilacqua@baxterwoodman.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix: Ms. Last Name, First Name: Bacon, Paige

Title: Director of Finance and Project Management Credential: Click to enter text.

Organization Name: Greenview Development Corporation

Mailing Address: 1734 Camp Craft Road City, State, Zip Code: Austin, TX 78746

Phone No.: 415-786-8439 E-mail Address: paige@greenviewdev.com

Check one or both: ☒ Administrative Contact ☐ Technical Contact

Section 5. Permit Contact Information (Instructions Page 27)

Provide the names and contact information for two individuals that can be contacted throughout the permit term.

A. Prefix: Mr. Last Name, First Name: Timmermann, Barth

Title: Manager Credential: Click to enter text.

Organization Name: Terrell Timmermann Farms, LP

Mailing Address: 501 Vale Street City, State, Zip Code: Austin, TX 78746

Phone No.: 512-773-0498 E-mail Address: barth@greenviewdev.com

B. Prefix: Ms. Last Name, First Name: Bacon, Paige

Title: Director of Finance and Project Management Credential: Click to enter text.

Organization Name: Greenview Development Corporation

Mailing Address: 1734 Camp Craft Road City, State, Zip Code: Austin, TX 78746

Phone No.: 415-786-8439 E-mail Address: paige@greenviewdev.com

Section 6. Billing Contact Information (Instructions Page 27)

The permittee is responsible for paying the annual fee. The annual fee will be assessed to permits ***in effect on September 1 of each year***. The TCEQ will send a bill to the address provided in this section. The permittee is responsible for terminating the permit when it is no longer needed (using form TCEQ-20029).

Prefix: Mr. Last Name, First Name: Timmermann, Barth

Title: Manager Credential: Click to enter text.

Organization Name: Terrell Timmermann Farms, LP

Mailing Address: 501 Vale Street City, State, Zip Code: Austin, TX 78746

Phone No.: 512-773-0498 E-mail Address: barth@greenviewdev.com

Section 7. DMR/MER Contact Information (Instructions Page 27)

Provide the name and complete mailing address of the person delegated to receive and submit Discharge Monitoring Reports (DMR) (EPA 3320-1) or maintain Monthly Effluent Reports (MER).

Prefix: Mr. Last Name, First Name: Timmermann, Barth

Title: Manager Credential: Click to enter text.

Organization Name: Terrell Timmermann Farms, LP

Mailing Address: 501 Vale Street City, State, Zip Code: Austin, TX 78746

Phone No.: 512-773-0498 E-mail Address: barth@greenviewdev.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Bevilacqua, Michael

Title: Senior Project Manager Credential: P.E.

Organization Name: Baxter & Woodman

Mailing Address: 301 Denali Pass, Suite 3 City, State, Zip Code: Cedar Park, TX 78613

Phone No.: 737-358-8103 E-mail Address: mbevilacqua@baxterwoodman.com

B. Method for Receiving Notice of Receipt and Intent to Obtain a Water Quality Permit Package

Indicate by a check mark the preferred method for receiving the first notice and instructions:

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact permit to be listed in the Notices

Prefix: Mr. Last Name, First Name: Bevilacqua, Michael

Title: Senior Project Manager Credential: P.E.

Organization Name: Baxter & Woodman

Mailing Address: 301 Denali Pass, Suite 3 City, State, Zip Code: Cedar Park, TX 78613

Phone No.: 737-358-8103 E-mail Address: mbevilacqua@baxterwoodman.com

D. Public Viewing Information

If the facility or outfall is located in more than one county, a public viewing place for each county must be provided.

Public building name: Georgetown Public Library

Location within the building: Click to enter text.

Physical Address of Building: 402 W. 8th Street

City: Georgetown County: Williamson

Contact (Last Name, First Name): Click to enter text.

Phone No.: Click to enter text. Ext.: Click to enter text.

E. Bilingual Notice Requirements

This information **is required** for **new, major amendment, minor amendment or minor modification, and renewal** applications.

This section of the application is only used to determine if alternative language notices will be needed. Complete instructions on publishing the alternative language notices will be in your public notice package.

Please call the bilingual/ESL coordinator at the nearest elementary and middle schools and obtain the following information to determine whether an alternative language notices are required.

1. Is a bilingual education program required by the Texas Education Code at the elementary or middle school nearest to the facility or proposed facility?

   ☒ Yes ☐ No

   If **no**, publication of an alternative language notice is not required; **skip to** Section 9 below.

2. Are the students who attend either the elementary school or the middle school enrolled in a bilingual education program at that school?

   ☒ Yes ☐ No

3. Do the students at these schools attend a bilingual education program at another location?

   ☐ Yes ☐ No

4. Would the school be required to provide a bilingual education program but the school has waived out of this requirement under 19 TAC §89.1205(g)?

   ☐ Yes ☐ No

5. If the answer is **yes** to **question 1, 2, 3, or 4**, public notices in an alternative language are required. Which language is required by the bilingual program? Spanish

F. Summary of Application in Plain Language Template

Complete the F. Summary of Application in Plain Language Template (TCEQ Form 20972), also known as the plain language summary or PLS, and include as an attachment.

Attachment: R

G. Public Involvement Plan Form

Complete the Public Involvement Plan Form (TCEQ Form 20960) for each application for a **new permit or major amendment to a permit** and include as an attachment.

Attachment: H

Section 9. Regulated Entity and Permitted Site Information (Instructions Page 29)

A. If the site is currently regulated by TCEQ, provide the Regulated Entity Number (RN) issued to this site. **RN** Click to enter text.

Search the TCEQ's Central Registry at http://www15.tceq.texas.gov/crpub/ to determine if the site is currently regulated by TCEQ.

B. Name of project or site (the name known by the community where located):

Coupland MUD #1 Wastewater Treatment Plant

C. Owner of treatment facility: Terrell Timmermann Farms, LP

Ownership of Facility: ☐ Public ☒ Private ☐ Both ☐ Federal

D. Owner of land where treatment facility is or will be:

Prefix: Click to enter text. Last Name, First Name: Terrell Timmermann Farms, LP

Title: Click to enter text. Credential: Click to enter text.

Organization Name: Terrell Timmermann Farms, LP

Mailing Address: 501 Vale Street City, State, Zip Code: Austin, TX 78746

Phone No.: 512-773-0498 E-mail Address: barth@greenviewdev.com

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: B

E. Owner of effluent disposal site:

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text. E-mail Address: Click to enter text.

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Click to enter text.

F. Owner sewage sludge disposal site (if authorization is requested for sludge disposal on property owned or controlled by the applicant)::

Prefix: Click to enter text. Last Name, First Name: Click to enter text.

Title: Click to enter text. Credential: Click to enter text.

Organization Name: Click to enter text.

Mailing Address: Click to enter text. City, State, Zip Code: Click to enter text.

Phone No.: Click to enter text. E-mail Address: Click to enter text.

If the landowner is not the same person as the facility owner or co-applicant, attach a lease agreement or deed recorded easement. See instructions.

Attachment: Click to enter text.

Section 10. TPDES Discharge Information (Instructions Page 31)

A. Is the wastewater treatment facility location in the existing permit accurate?

☐ Yes ☒ No

If **no**, **or a new permit application**, please give an accurate description:

The wastewater treatment plant is located approximately 1.07 miles northeast of the FM 1660 and Highway 95 intersection.

B. Are the point(s) of discharge and the discharge route(s) in the existing permit correct?

☐ Yes ☒ No

If **no**, **or a new or amendment permit application**, provide an accurate description of the point of discharge and the discharge route to the nearest classified segment as defined in 30 TAC Chapter 307:

The discharge route will be from the plant site, thence to Boggy Creek, thence to Brushy Creek (classified segment #1244).

City nearest the outfall(s): Taylor

County in which the outfalls(s) is/are located: Williamson

C. Is or will the treated wastewater discharge to a city, county, or state highway right-of-way, or a flood control district drainage ditch?

☐ Yes ☒ No

If **yes**, indicate by a check mark if:

☐ Authorization granted ☐ Authorization pending

For **new and amendment** applications, provide copies of letters that show proof of contact and the approval letter upon receipt.

Attachment: Click to enter text.

D. For all applications involving an average daily discharge of 5 MGD or more, provide the names of all counties located within 100 statute miles downstream of the point(s) of discharge: Click to enter text.

Section 11. TLAP Disposal Information (Instructions Page 32)

A. For TLAPs, is the location of the effluent disposal site in the existing permit accurate?

☐ Yes ☐ No

If **no, or a new or amendment permit application**, provide an accurate description of the disposal site location:

Click to enter text.

B. City nearest the disposal site: Click to enter text.

C. County in which the disposal site is located: Click to enter text.

D. For **TLAPs**, describe the routing of effluent from the treatment facility to the disposal site:

Click to enter text.

E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: Click to enter text.

Section 12. Miscellaneous Information (Instructions Page 32)

A. Is the facility located on or does the treated effluent cross American Indian Land?

☐ Yes ☒ No

B. If the existing permit contains an onsite sludge disposal authorization, is the location of the sewage sludge disposal site in the existing permit accurate?

☐ Yes ☐ No ☐ Not Applicable

If No, or if a new onsite sludge disposal authorization is being requested in this permit application, provide an accurate location description of the sewage sludge disposal site.

Click to enter text.

C. Did any person formerly employed by the TCEQ represent your company and get paid for service regarding this application?

☐ Yes ☒ No

If yes, list each person formerly employed by the TCEQ who represented your company and was paid for service regarding the application: Click to enter text.

D. Do you owe any fees to the TCEQ?

☐ Yes ☐ No

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

Account number: Click to enter text.

Amount past due: Click to enter text.

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: Click to enter text.

Amount past due: Click to enter text.

Section 13. Attachments (Instructions Page 33)

Indicate which attachments are included with the Administrative Report. Check all that apply:

☒ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.

☒ Original full-size USGS Topographic Map with the following information:

- Applicant's property boundary
- Treatment facility boundary
- Labeled point of discharge for each discharge point (TPDES only)
- Highlighted discharge route for each discharge point (TPDES only)
- Onsite sewage sludge disposal site (if applicable)
- Effluent disposal site boundaries (TLAP only)
- New and future construction (if applicable)
- 1 mile radius information
- 3 miles downstream information (TPDES only)
- All ponds.

☐ Attachment 1 for Individuals as co-applicants

☐ Other Attachments. Please specify: Click to enter text.

Section 14. Signature Page (Instructions Page 34)

If co-applicants are necessary, each entity must submit an original, separate signature page.

Permit Number: Click to enter text.

Applicant: Terrell Timmermann Farms, LP

Certification:

I 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 30 Texas Administrative Code § 305.44 to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signatory name (typed or printed): Barth Timmermann

Signatory title: Manager

Signature: Barth Timmermann Date: 7/2/25

(Use blue ink)

Subscribed and Sworn to before me by the said Barth Timmermann

on this ~~Forty~~ 2nd day of July, 20 25.

My commission expires on the 12th day of November, 20 25.

Notary Public

LAYLA J. HANNA
NOTARY PUBLIC
ID# 133436101
State of Texas
Comm. Exp. 11-12-2025

[SEAL]

Travis

County, Texas

DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:

- ☒ The applicant's property boundaries
- ☒ The facility site boundaries within the applicant's property boundaries
- ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
- ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
- ☒ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
- ☒ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
- ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
- ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
- ☐ The property boundaries of all landowners surrounding the effluent disposal site
- ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
- ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located

B. ☒ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.

C. ☐ Indicate by a check mark that the landowners list has also been provided as mailing labels in electronic format (Avery 5160).

D. Provide the source of the landowners' names and mailing addresses: Williamson County Appraisal District

E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?

☐ Yes ☒ No

If **yes**, provide the location and foreseeable impacts and effects this application has on the land(s):

Click to enter text.

Section 2. Original Photographs (Instructions Page 38)

Provide original ground level photographs. Indicate with checkmarks that the following information is provided.

☒ At least one original photograph of the new or expanded treatment unit location

☒ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.

☐ At least one photograph of the existing/proposed effluent disposal site

☒ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.

- The applicant's property boundary;
- The required buffer zone; and
- Each treatment unit; and
- The distance from each treatment unit to the property boundaries.

B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.

☒ Ownership

☐ Restrictive easement

☐ Nuisance odor control

☐ Variance

C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?

☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

This form applies to TPDES permit applications only. Complete and attach the Supplemental Permit information Form (SPIF) (TCEQ Form 20971).

Attachment: S

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST OF COMMON DEFICIENCIES

Below is a list of common deficiencies found during the administrative review of domestic wastewater permit applications. To ensure the timely processing of this application, please review the items below and indicate by checking Yes that each item is complete and in accordance applicable rules at 30 TAC Chapters 21, 281, and 305. If an item is not required this application, indicate by checking N/A where appropriate. Please do not submit the application until the items below have been addressed.

Core Data Form (TCEQ Form No. 10400) ☒ Yes
(Required for all application types. Must be completed in its entirety and signed. Note: Form may be signed by applicant representative.)

Correct and Current Industrial Wastewater Permit Application Forms ☒ Yes
(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)

Water Quality Permit Payment Submittal Form (Page 19) ☒ Yes
(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)

7.5 Minute USGS Quadrangle Topographic Map Attached ☒ Yes
(Full-size map if seeking "New" permit. 8 ½ x 11 acceptable for Renewals and Amendments)

Current/Non-Expired, Executed Lease Agreement or Easement ☐ N/A ☒ Yes

Landowners Map ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Things to Know:

- All the items shown on the map must be labeled.
- The applicant's complete property boundaries must be delineated which includes boundaries of contiguous property owned by the applicant.
- The applicant cannot be its own adjacent landowner. You must identify the landowners immediately adjacent to their property, regardless of how far they are from the actual facility.
- If the applicant's property is adjacent to a road, creek, or stream, the landowners on the opposite side must be identified. Although the properties are not adjacent to applicant's property boundary, they are considered potentially affected landowners. If the adjacent road is a divided highway as identified on the USGS topographic map, the applicant does not have to identify the landowners on the opposite side of the highway.

Landowners Labels and Cross Reference List ☐ N/A ☒ Yes
(See instructions for landowner requirements)

Electronic Application Submittal ☒ Yes
(See application submittal requirements on page 23 of the instructions.)

Original signature per 30 TAC § 305.44 – Blue Ink Preferred ☒ Yes
(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)

Summary of Application (in Plain Language) ☒ Yes

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.0

For any questions about this form, please contact the Domestic Wastewater Permitting Team at 512-239-4671.

The following information is required for all renewal, new, and amendment applications.

Section 1. Permitted or Proposed Flows (Instructions Page 42)

A. Existing/Interim I Phase

Design Flow (MGD): 0.10

2-Hr Peak Flow (MGD): 0.40

Estimated construction start date: 01/2027

Estimated waste disposal start date: 06/2027

B. Interim II Phase

Design Flow (MGD): 0.20

2-Hr Peak Flow (MGD): 0.80

Estimated construction start date: 01/2031

Estimated waste disposal start date: 06/2031

C. Final Phase

Design Flow (MGD): 0.30

2-Hr Peak Flow (MGD): 1.2

Estimated construction start date: 01/2034

Estimated waste disposal start date: 06/2034

D. Current Operating Phase

Provide the startup date of the facility: N/A – Proposed permit/facility.

Section 2. Treatment Process (Instructions Page 42)

A. Current Operating Phase

Provide a detailed description of the treatment process. **Include the type of treatment plant, mode of operation, and all treatment units.** Start with the plant's head works and

finish with the point of discharge. Include all sludge processing and drying units. **If more than one phase exists or is proposed, a description of *each phase* must be provided**.

See Attachment I

B. Treatment Units

In Table 1.0(1), provide the treatment unit type, the number of units, and dimensions (length, width, depth) **of each treatment unit, accounting for *all* phases of operation.**

Table 1.0(1) - Treatment Units

Treatment Unit Type	Number of Units	Dimensions (L x W x D)
See Attachment I		

C. Process Flow Diagram

Provide flow diagrams for the existing facilities and **each** proposed phase of construction.

Attachment: J

Section 3. Site Information and Drawing (Instructions Page 43)

Provide the TPDES discharge outfall latitude and longitude. Enter N/A if not applicable.

- Latitude: 30.4886
- Longitude: -97.3983

Provide the TLAP disposal site latitude and longitude. Enter N/A if not applicable.

- Latitude: Click to enter text.
- Longitude: Click to enter text.

Provide a site drawing for the facility that shows the following:

- The boundaries of the treatment facility;
- The boundaries of the area served by the treatment facility;
- If land disposal of effluent, the boundaries of the disposal site and all storage/holding ponds; and
- If sludge disposal is authorized in the permit, the boundaries of the land application or disposal site.

Attachment: K

Provide the name **and** a description of the area served by the treatment facility.

The treatment facility will serve the Coupland MUD #1 development. The development consists of residential and commercial development totaling approximately 306-acres and approximately 1,122 LUEs.

Collection System Information **for wastewater TPDES permits only**: Provide information for each **uniquely owned** collection system, existing and new, served by this facility, including satellite collection systems. **Please see the instructions for a detailed explanation and examples.**

Collection System Information

Collection System Name	Owner Name	Owner Type	Population Served
Coupland MUD #1 Wastewater System	Terrell Timmermann Farms, LP	**Privately Owned**	Approx 4,000
		Choose an item.	
		Choose an item.	
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 44)

Is the application for a renewal of a permit that contains an unbuilt phase or phases?

☐ Yes ☒ No

If yes, does the existing permit contain a phase that has not been constructed **within five years** of being authorized by the TCEQ?

☐ Yes ☒ No

If yes, provide a detailed discussion regarding the continued need for the unbuilt phase. **Failure to provide sufficient justification may result in the Executive Director recommending denial of the unbuilt phase or phases**.

Click to enter text.

Section 5. Closure Plans (Instructions Page 44)

Have any treatment units been taken out of service permanently, or will any units be taken out of service in the next five years?

☐ Yes ☒ No

If yes, was a closure plan submitted to the TCEQ?

☐ Yes ☒ No

If yes, provide a brief description of the closure and the date of plan approval.

Click to enter text.

Section 6. Permit Specific Requirements (Instructions Page 44)

For applicants with an existing permit, check the Other Requirements or Special Provisions of the permit.

A. Summary transmittal

Have plans and specifications been approved for the existing facilities and each proposed phase?

☐ Yes ☐ No

If yes, provide the date(s) of approval for each phase: Click to enter text.

Provide information, including dates, on any actions taken to meet a *requirement or provision* pertaining to the submission of a summary transmittal letter. **Provide a copy of an approval letter from the TCEQ, if applicable**.

Click to enter text.

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

Provide information below, including dates, on any actions taken to meet the conditions of the buffer zone. If available, provide any new documentation relevant to maintaining the buffer zones.

Deed. See Attachment B.

C. Other actions required by the current permit

Does the *Other Requirements* or *Special Provisions* section in the existing permit require submission of any other information or other required actions? Examples include Notification of Completion, progress reports, soil monitoring data, etc.

☐ Yes ☐ No

If yes, provide information below on the status of any actions taken to meet the conditions of an *Other Requirement* or *Special Provision*.

Click to enter text.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

Does the facility have a grit and/or grease processing facility onsite that treats and decants or accepts transported loads of grit and grease waste that are discharged directly to the wastewater treatment plant prior to any treatment?

☐ Yes ☒ No

If No, stop here and continue with Subsection E. Stormwater Management.

2. Grit and grease processing

Describe below how the grit and grease waste is treated at the facility. In your description, include how and where the grit and grease is introduced to the treatment works and how it is separated or processed. Provide a flow diagram showing how grit and grease is processed at the facility.

Click to enter text.

3. Grit disposal

Does the facility have a Municipal Solid Waste (MSW) registration or permit for grit disposal?

☐ Yes ☐ No

If No, contact the TCEQ Municipal Solid Waste team at 512-239-2335. Note: A registration or permit is required for grit disposal. Grit shall not be combined with treatment plant sludge. See the instruction booklet for additional information on grit disposal requirements and restrictions.

Describe the method of grit disposal.

Click to enter text.

4. *Grease and decanted liquid disposal*

Note: A registration or permit is required for grease disposal. Grease shall not be combined with treatment plant sludge. For more information, contact the TCEQ Municipal Solid Waste team at 512-239-2335.

Describe how the decant and grease are treated and disposed of after grit separation.

Click to enter text.

E. Stormwater management

1. *Applicability*

Does the facility have a design flow of 1.0 MGD or greater in any phase?

☐ Yes ☒ No

Does the facility have an approved pretreatment program, under 40 CFR Part 403?

☐ Yes ☒ No

If no to both of the above, then skip to Subsection F, Other Wastes Received.

2. *MSGP coverage*

Is the stormwater runoff from the WWTP and dedicated lands for sewage disposal currently permitted under the TPDES Multi-Sector General Permit (MSGP), TXR050000?

☐ Yes ☒ No

If yes, please provide MSGP Authorization Number and skip to Subsection F, Other Wastes Received:

TXR05 Click to enter text. or TXRNE Click to enter text.

If no, do you intend to seek coverage under TXR050000?

☐ Yes ☒ No

3. *Conditional exclusion*

Alternatively, do you intend to apply for a conditional exclusion from permitting based TXR050000 (Multi Sector General Permit) Part II B.2 or TXR050000 (Multi Sector General Permit) Part V, Sector T 3(b)?

☐ Yes ☒ No

If yes, please explain below then proceed to Subsection F, Other Wastes Received:

Click to enter text.

4. ***Existing coverage in individual permit***

Is your stormwater discharge currently permitted through this individual TPDES or TLAP permit?

☐ Yes ☒ No

If yes, provide a description of stormwater runoff management practices at the site that are authorized in the wastewater permit then skip to Subsection F, Other Wastes Received.

Click to enter text.

5. ***Zero stormwater discharge***

Do you intend to have no discharge of stormwater via use of evaporation or other means?

☐ Yes ☒ No

If yes, explain below then skip to Subsection F. Other Wastes Received.

Click to enter text.

Note: If there is a potential to discharge any stormwater to surface water in the state as the result of any storm event, then permit coverage is required under the MSGP or an individual discharge permit. This requirement applies to all areas of facilities with treatment plants or systems that treat, store, recycle, or reclaim domestic sewage, wastewater or sewage sludge (including dedicated lands for sewage sludge disposal located within the onsite property boundaries) that meet the applicability criteria of above. You have the option of obtaining coverage under the MSGP for direct discharges, (recommended), or obtaining coverage under this individual permit.

6. ***Request for coverage in individual permit***

Are you requesting coverage of stormwater discharges associated with your treatment plant under this individual permit?

☐ Yes ☒ No

If yes, provide a description of stormwater runoff management practices at the site for which you are requesting authorization in this individual wastewater permit and describe whether you intend to comingle this discharge with your treated effluent or discharge it via a separate dedicated stormwater outfall. Please also indicate if you

intend to divert stormwater to the treatment plant headworks and indirectly discharge it to water in the state.

Click to enter text.

Note: Direct stormwater discharges to waters in the state authorized through this individual permit will require the development and implementation of a stormwater pollution prevention plan (SWPPP) and will be subject to additional monitoring and reporting requirements. Indirect discharges of stormwater via headworks recycling will require compliance with all individual permit requirements including 2-hour peak flow limitations. All stormwater discharge authorization requests will require additional information during the technical review of your application.

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

If yes, attach a Sewage Sludge Solids Management Plan. See Example 5 in the instructions.
Click to enter text.

G. Other wastes received including sludge from other WWTPs and septic waste

1. Acceptance of sludge from other WWTPs

Does or will the facility accept sludge from other treatment plants at the facility site?

☐ Yes ☒ No

If yes, attach sewage sludge solids management plan. See Example 5 of instructions.

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the sludge, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

If yes, does the facility have a Type V processing unit?

☐ Yes ☒ No

If yes, does the unit have a Municipal Solid Waste permit?

☐ Yes ☒ No

If yes to any of the above, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the BOD_5 concentration of the septic waste, and the design BOD_5 concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

Click to enter text.

Note: Permits that accept sludge from other wastewater treatment plants may be required to have influent flow and organic loading monitoring.

3. ***Acceptance of other wastes (not including septic, grease, grit, or RCRA, CERCLA or as discharged by IUs listed in Worksheet 6)***

Is or will the facility accept wastes that are not domestic in nature excluding the categories listed above?

☐ Yes ☒ No

If yes, provide the date that the plant started accepting the waste, an estimate how much waste is accepted on a monthly basis (gallons or millions of gallons), a description of the entities generating the waste, and any distinguishing chemical or other physical characteristic of the waste. Also note if this information has or has not changed since the last permit action.

Click to enter text.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 49)

Is the facility in operation?

☐ Yes ☒ No

If no, this section is not applicable. Proceed to Section 8.

If yes, provide effluent analysis data for the listed pollutants. ***Wastewater treatment facilities*** complete Table 1.0(2). **W*ater treatment facilities*** discharging filter backwash water, complete Table 1.0(3). Provide copies of the laboratory results sheets. **These tables are not applicable for a minor amendment without renewal.** See the instructions for guidance.

Note: The sample date must be within 1 year of application submission.

Table1.0(2) – Pollutant Analysis for Wastewater Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
$CBOD_5$, mg/l					
Total Suspended Solids, mg/l					
Ammonia Nitrogen, mg/l					
Nitrate Nitrogen, mg/l					
Total Kjeldahl Nitrogen, mg/l					
Sulfate, mg/l					
Chloride, mg/l					
Total Phosphorus, mg/l					
pH, standard units					
Dissolved Oxygen*, mg/l					
Chlorine Residual, mg/l					
E.coli (CFU/100ml) freshwater					
Entercocci (CFU/100ml) saltwater					
Total Dissolved Solids, mg/l					
Electrical Conductivity, µmohs/cm, †					
Oil & Grease, mg/l					
Alkalinity ($CaCO_3$)*, mg/l					

*TPDES permits only
†TLAP permits only

Table1.0(3) – Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity ($CaCO_3$), mg/l					

Section 8. Facility Operator (Instructions Page 49)

Facility Operator Name: N/A- Proposed Facility. Licensed Operator will be used.

Facility Operator's License Classification and Level: Click to enter text.

Facility Operator's License Number: Click to enter text.

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 50)

A. WWTP's Sewage Sludge or Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☐ Design flow>= 1 MGD
- ☐ Serves >= 10,000 people
- ☐ Class I Sludge Management Facility (per 40 CFR § 503.9)
- ☒ Biosolids generator
- ☐ Biosolids end user – land application (onsite)
- ☐ Biosolids end user – surface disposal (onsite)
- ☐ Biosolids end user – incinerator (onsite)

B. WWTP's Sewage Sludge or Biosolids Treatment Process

Check all that apply. See instructions for guidance.

- ☒ Aerobic Digestion
- ☐ Air Drying (or sludge drying beds)
- ☐ Lower Temperature Composting
- ☐ Lime Stabilization
- ☐ Higher Temperature Composting
- ☐ Heat Drying
- ☐ Thermophilic Aerobic Digestion
- ☐ Beta Ray Irradiation
- ☐ Gamma Ray Irradiation
- ☐ Pasteurization
- ☐ Preliminary Operation (e.g. grinding, de-gritting, blending)
- ☐ Thickening (e.g. gravity thickening, centrifugation, filter press, vacuum filter)
- ☐ Sludge Lagoon
- ☐ Temporary Storage (< 2 years)
- ☐ Long Term Storage (>= 2 years)
- ☐ Methane or Biogas Recovery
- ☐ Other Treatment Process: Click to enter text.

C. Sewage Sludge or Biosolids Management

Provide information on the *intended* sewage sludge or biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the

permit will authorize all sewage sludge or biosolids management practices listed in the instructions. Rather indicate the management practice the facility plans to use.

Biosolids Management

Management Practice	Handler or Preparer Type	Bulk or Bag Container	Amount (dry metric tons)	Pathogen Reduction Options	Vector Attraction Reduction Option
Disposal in Landfill	Off-site Third-Party Handler or Preparer	Bulk	0.332 tons/day	Class B: PSRP Aerobic Digestion	Option 5: Aerobic process for 14 days at >40C
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.
Choose an item.	Choose an item.	Choose an item.		Choose an item.	Choose an item.

If "Other" is selected for Management Practice, please explain (e.g. monofill or transport to another WWTP): Click to enter text.

D. Disposal site

Disposal site name: N/A- Proposed Facility. Permitted site will be used.

TCEQ permit or registration number: Click to enter text.

County where disposal site is located: Click to enter text.

E. Transportation method

Method of transportation (truck, train, pipe, other): Truck

Name of the hauler: N/A – Proposed facility. Licensed hauler will be used.

Hauler registration number: Click to enter text.

Sludge is transported as a:

Liquid ☒ semi-liquid ☒ semi-solid ☒ solid ☒

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 52)

A. Beneficial use authorization

Does the existing permit include authorization for land application of biosolids for beneficial use?

☐ Yes ☒ No

If yes, are you requesting to continue this authorization to land apply biosolids for beneficial use?

☐ Yes ☐ No

If yes, is the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)** attached to this permit application (see the instructions for details)?

☐ Yes ☐ No

B. Sludge processing authorization

Does the existing permit include authorization for any of the following sludge processing, storage or disposal options?

Sludge Composting	☐ Yes	☒ No
Marketing and Distribution of Biosolids	☐ Yes	☒ No
Sludge Surface Disposal or Sludge Monofill	☐ Yes	☒ No
Temporary storage in sludge lagoons	☐ Yes	☒ No

If yes to any of the above sludge options and the applicant is requesting to continue this authorization, is the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)** attached to this permit application?

☐ Yes ☐ No

Section 11. Sewage Sludge Lagoons (Instructions Page 53)

Does this facility include sewage sludge lagoons?

☐ Yes ☒ No

If yes, complete the remainder of this section. If no, proceed to Section 12.

A. Location information

The following maps are required to be submitted as part of the application. For each map, provide the Attachment Number.

- Original General Highway (County) Map:

  Attachment: Click to enter text.
- USDA Natural Resources Conservation Service Soil Map:

  Attachment: Click to enter text.
- Federal Emergency Management Map:

  Attachment: Click to enter text.
- Site map:

  Attachment: Click to enter text.

Discuss in a description if any of the following exist within the lagoon area. Check all that apply.

☐ Overlap a designated 100-year frequency flood plain

☐ Soils with flooding classification

☐ Overlap an unstable area

☐ Wetlands

☐ Located less than 60 meters from a fault

☐ None of the above

Attachment: Click to enter text.

If a portion of the lagoon(s) is located within the 100-year frequency flood plain, provide the protective measures to be utilized including type and size of protective structures:

Click to enter text.

B. Temporary storage information

Provide the results for the pollutant screening of sludge lagoons. These results are in addition to pollutant results in *Section 7 of Technical Report 1.0.*

Nitrate Nitrogen, mg/kg: Click to enter text.

Total Kjeldahl Nitrogen, mg/kg: Click to enter text.

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg: Click to enter text.

Phosphorus, mg/kg: Click to enter text.

Potassium, mg/kg: Click to enter text.

pH, standard units: Click to enter text.

Ammonia Nitrogen mg/kg: Click to enter text.

Arsenic: Click to enter text.

Cadmium: Click to enter text.

Chromium: Click to enter text.

Copper: Click to enter text.

Lead: Click to enter text.

Mercury: Click to enter text.

Molybdenum: Click to enter text.

Nickel: Click to enter text.

Selenium: Click to enter text.

Zinc: Click to enter text.

Total PCBs: Click to enter text.

Provide the following information:

Volume and frequency of sludge to the lagoon(s): Click to enter text.

Total dry tons stored in the lagoons(s) per 365-day period: Click to enter text.

Total dry tons stored in the lagoons(s) over the life of the unit: Click to enter text.

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of $1x10^{-7}$ cm/sec?

☐ Yes ☐ No

If yes, describe the liner below. Please note that a liner is required.

Click to enter text.

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the lagoon(s):

Click to enter text.

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)

  Attachment: Click to enter text.
- Copy of the closure plan

  Attachment: Click to enter text.
- Copy of deed recordation for the site

  Attachment: Click to enter text.
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

  Attachment: Click to enter text.
- Description of the method of controlling infiltration of groundwater and surface water from entering the site

  Attachment: Click to enter text.
- Procedures to prevent the occurrence of nuisance conditions

  Attachment: Click to enter text.

E. Groundwater monitoring

Is groundwater monitoring currently conducted at this site, or are any wells available for groundwater monitoring, or are groundwater monitoring data otherwise available for the sludge lagoon(s)?

☐ Yes ☐ No

If groundwater monitoring data are available, provide a copy. Provide a profile of soil types encountered down to the groundwater table and the depth to the shallowest groundwater as a separate attachment.

Attachment: Click to enter text.

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 54)

A. Additional authorizations

Does the permittee have additional authorizations for this facility, such as reuse authorization, sludge permit, etc?

☐ Yes ☒ No

If yes, provide the TCEQ authorization number and description of the authorization:

Click to enter text.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

Is the permittee required to meet an implementation schedule for compliance or enforcement?

☐ Yes ☒ No

If yes to either question, provide a brief summary of the enforcement, the implementation schedule, and the current status:

Click to enter text.

Section 13. RCRA/CERCLA Wastes (Instructions Page 55)

A. RCRA hazardous wastes

Has the facility received in the past three years, does it currently receive, or will it receive RCRA hazardous waste?

☐ Yes ☒ No

B. Remediation activity wastewater

Has the facility received in the past three years, does it currently receive, or will it receive CERCLA wastewater, RCRA remediation/corrective action wastewater or other remediation activity wastewater?

☐ Yes ☒ No

C. Details about wastes received

If yes to either Subsection A or B above, provide detailed information concerning these wastes with the application.

Attachment: Click to enter text.

Section 14. Laboratory Accreditation (Instructions Page 55)

All laboratory tests performed must meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification*, which includes the following general exemptions from National Environmental Laboratory Accreditation Program (NELAP) certification requirements:

- The laboratory is an in-house laboratory and is:
  - periodically inspected by the TCEQ; or
  - located in another state and is accredited or inspected by that state; or
  - performing work for another company with a unit located in the same site; or
  - performing pro bono work for a governmental agency or charitable organization.
- The laboratory is accredited under federal law.
- The data are needed for emergency-response activities, and a laboratory accredited under the Texas Laboratory Accreditation Program is not available.
- The laboratory supplies data for which the TCEQ does not offer accreditation.

The applicant should review 30 TAC Chapter 25 for specific requirements.

The following certification statement shall be signed and submitted with every application. See the Signature Page section in the Instructions, for a list of designated representatives who may sign the certification.

CERTIFICATION:

I certify that all laboratory tests submitted with this application meet the requirements of *30 TAC Chapter 25, Environmental Testing Laboratory Accreditation and Certification.*

Printed Name: Barth Timmermann for Terrell Timmermann Farms, LP

Title: Manager

Signature: _____

Date: 7/2/25

DOMESTIC WASTEWATER PERMIT APPLICATION TECHNICAL REPORT 1.1

The following information is required for new and amendment major applications.

Section 1. Justification for Permit (Instructions Page 56)

A. Justification of permit need

Provide a detailed discussion regarding the need for any phase(s) not currently permitted. Failure to provide sufficient justification may result in the Executive Director recommending denial of the proposed phase(s) or permit.

The WWTP is needed to serve the proposed development which consists of approximately 1,122 LUEs on 306 acres. There is one (1) existing operating permitted facility within 3 miles, the Coupland Water Supply Corporation WQ0014499001 with a capacity of 0.025 MGD. They do not have the capacity to serve this proposed development, and no portion of our proposed service area is located within their CCN or any other existing sewer CCN. See Attachment Q for other permits with unconstructed facilities.

B. Regionalization of facilities

For additional guidance, please review TCEQ's Regionalization Policy for Wastewater Treatment[1].

Provide the following information concerning the potential for regionalization of domestic wastewater treatment facilities:

1. *Municipally incorporated areas*

If the applicant is a city, then Item 1 is not applicable. Proceed to Item 2 Utility CCN areas.

Is any portion of the proposed service area located in an incorporated city?

☐ Yes ☒ No ☐ Not Applicable

If yes, within the city limits of: Click to enter text.

If yes, attach correspondence from the city.

Attachment: Click to enter text.

If consent to provide service is available from the city, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the city versus the cost of the proposed facility or expansion attached.

Attachment: Click to enter text.

2. *Utility CCN areas*

Is any portion of the proposed service area located inside another utility's CCN area?

☐ Yes ☒ No

[1] https://www.tceq.texas.gov/permitting/wastewater/tceq-regionalization-for-wastewater

If yes, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the CCN facilities versus the cost of the proposed facility or expansion.

Attachment: Click to enter text.

3. Nearby WWTPs or collection systems

Are there any domestic permitted wastewater treatment facilities or collection systems located within a three-mile radius of the proposed facility?

☒ Yes ☐ No

If yes, attach a list of these facilities and collection systems that includes each permittee's name and permit number, and an area map showing the location of these facilities and collection systems.

Attachment: Q

If yes, attach proof of mailing a request for service to each facility and collection system, the letters requesting service, and correspondence from each facility and collection system.

Attachment: Q

If the facility or collection system agrees to provide service, attach a justification for the proposed facility and a cost analysis of expenditures that includes the cost of connecting to the facility or collection system versus the cost of the proposed facility or expansion.

Attachment: Click to enter text.

Section 2. Proposed Organic Loading (Instructions Page 58)

Is this facility in operation?

☐ Yes ☒ No

If no, proceed to Item B, Proposed Organic Loading.

If yes, provide organic loading information in Item A, Current Organic Loading

A. Current organic loading

Facility Design Flow (flow being requested in application): Click to enter text.

Average Influent Organic Strength or BOD_5 Concentration in mg/l: Click to enter text.

Average Influent Loading (lbs/day = total average flow X average BOD_5 conc. X 8.34): Click to enter text.

Provide the source of the average organic strength or BOD_5 concentration.

Click to enter text.

B. Proposed organic loading

This table must be completed if this application is for a facility that is not in operation or if this application is to request an increased flow that will impact organic loading.

Table 1.1(1) – Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD5 Concentration (mg/l)
Municipality	0.20	300
Subdivision		
Trailer park – transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria, no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory	0.10	300
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	0.30	
AVERAGE BOD_5 from all sources		300

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 58)

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 5

Total Suspended Solids, mg/l: 5

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 0.5

Dissolved Oxygen, mg/l: 4

Other: Click to enter text.

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 5

Total Suspended Solids, mg/l: 5

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 0.5

Dissolved Oxygen, mg/l: 4

Other: Click to enter text.

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 5

Total Suspended Solids, mg/l: 5

Ammonia Nitrogen, mg/l: 2

Total Phosphorus, mg/l: 0.5

Dissolved Oxygen, mg/l: 4

Other: Click to enter text.

D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 2 mg/l after 20 minutes detention time at peak flow

Dechlorination process: Click to enter text.

☐ Ultraviolet Light: Click to enter text. seconds contact time at peak flow

☐ Other: Click to enter text.

Section 4. Design Calculations (Instructions Page 58)

Attach design calculations and plant features for each proposed phase. Example 4 of the instructions includes sample design calculations and plant features.

Attachment: L

Section 5. Facility Site (Instructions Page 59)

A. 100-year floodplain

Will the proposed facilities be located above the 100-year frequency flood level?

☒ Yes ☐ No

If no, describe measures used to protect the facility during a flood event. Include a site map showing the location of the treatment plant within the 100-year frequency flood level. If applicable, provide the size and types of protective structures.

Click to enter text.

Provide the source(s) used to determine 100-year frequency flood plain.

FEMA FIRM Map - See Attachment M.

For a new or expansion of a facility, will a wetland or part of a wetland be filled?

☐ Yes ☒ No

If yes, has the applicant applied for a US Corps of Engineers 404 Dredge and Fill Permit?

☐ Yes ☐ No

If yes, provide the permit number: Click to enter text.

If no, provide the approximate date you anticipate submitting your application to the Corps: Click to enter text.

B. Wind rose

Attach a wind rose: N

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 59)

A. Beneficial use authorization

Are you requesting to include authorization to land apply sewage sludge for beneficial use on property located adjacent to the wastewater treatment facility under the wastewater permit?

☐ Yes ☒ No

If yes, attach the completed **Application for Permit for Beneficial Land Use of Sewage Sludge (TCEQ Form No. 10451)**: Click to enter text.

B. Sludge processing authorization

Identify the sludge processing, storage or disposal options that will be conducted at the wastewater treatment facility:

☐ Sludge Composting

☐ Marketing and Distribution of sludge

☐ Sludge Surface Disposal or Sludge Monofill

If any of the above, sludge options are selected, attach the completed **Domestic Wastewater Permit Application: Sewage Sludge Technical Report (TCEQ Form No. 10056)**: Click to enter text.

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 60)

Attach a solids management plan to the application.

Attachment: O

The sewage sludge solids management plan must contain the following information:

- Treatment units and processes dimensions and capacities

- Solids generated at 100, 75, 50, and 25 percent of design flow
- Mixed liquor suspended solids operating range at design and projected actual flow
- Quantity of solids to be removed and a schedule for solids removal
- Identification and ownership of the ultimate sludge disposal site
- For facultative lagoons, design life calculations, monitoring well locations and depths, and the ultimate disposal method for the sludge from the facultative lagoon

An example of a sewage sludge solids management plan has been included as Example 5 of the instructions.

DOMESTIC WASTEWATER PERMIT APPLICATION WORKSHEET 2.0: RECEIVING WATERS

The following information is required for all TPDES permit applications.

Section 1. Domestic Drinking Water Supply (Instructions Page 63)

Is there a surface water intake for domestic drinking water supply located within 5 miles downstream from the point or proposed point of discharge?

☐ Yes ☒ No

If **no**, proceed it Section 2. **If yes**, provide the following:

Owner of the drinking water supply: Click to enter text.

Distance and direction to the intake: Click to enter text.

Attach a USGS map that identifies the location of the intake.

Attachment: Click to enter text.

Section 2. Discharge into Tidally Affected Waters (Instructions Page 63)

Does the facility discharge into tidally affected waters?

☐ Yes ☒ No

If **no**, proceed to Section 3. **If yes**, complete the remainder of this section. If no, proceed to Section 3.

A. Receiving water outfall

Width of the receiving water at the outfall, in feet: Click to enter text.

B. Oyster waters

Are there oyster waters in the vicinity of the discharge?

☐ Yes ☐ No

If yes, provide the distance and direction from outfall(s).

Click to enter text.

C. Sea grasses

Are there any sea grasses within the vicinity of the point of discharge?

☐ Yes ☐ No

If yes, provide the distance and direction from the outfall(s).

Click to enter text.

Section 3. Classified Segments (Instructions Page 63)

Is the discharge directly into (or within 300 feet of) a classified segment?

☐ Yes ☒ No

If yes, this Worksheet is complete.

If no, complete Sections 4 and 5 of this Worksheet.

Section 4. Description of Immediate Receiving Waters (Instructions Page 63)

Name of the immediate receiving waters: Boggy Creek

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres: Click to enter text.

Average depth of the entire water body, in feet: Click to enter text.

Average depth of water body within a 500-foot radius of discharge point, in feet: Click to enter text.

☐ Man-made Channel or Ditch

☐ Open Bay

☐ Tidal Stream, Bayou, or Marsh

☒ Other, specify: Creek – Appears to be dry at least one week out of the year.

B. Flow characteristics

If a stream, man-made channel or ditch was checked above, provide the following. For existing discharges, check one of the following that best characterizes the area *upstream* of the discharge. For new discharges, characterize the area *downstream* of the discharge (check one).

☐ Intermittent - dry for at least one week during most years

☒ Intermittent with Perennial Pools - enduring pools with sufficient habitat to maintain significant aquatic life uses

☐ Perennial - normally flowing

Check the method used to characterize the area upstream (or downstream for new dischargers).

☐ USGS flow records

☐ Historical observation by adjacent landowners

☒ Personal observation

☒ Other, specify: Aerial maps.

C. Downstream perennial confluences

List the names of all perennial streams that join the receiving water within three miles downstream of the discharge point.

The receiving waters joins Brushy Creek approximately 5-miles downstream.

D. Downstream characteristics

Do the receiving water characteristics change within three miles downstream of the discharge (e.g., natural or man-made dams, ponds, reservoirs, etc.)?

☒ Yes ☐ No

If yes, discuss how.

The receiving waters change from an intermittent stream with pools that appears to be dry at least once a week per year to Brushy Creek, which appears to be a steady stream.

E. Normal dry weather characteristics

Provide general observations of the water body during normal dry weather conditions.

This creek appears to be dry during normal dry weather conditions. Some small pools may be present along the discharge route. At the discharge location, come small pools (standing water) are present which appear to be due to the recent rain received in the area between 6/17/2023 and 6/23/2023

Date and time of observation: 6/23/2023 at 10:00 AM

Was the water body influenced by stormwater runoff during observations?

☒ Yes ☐ No

Section 5. General Characteristics of the Waterbody (Instructions Page 65)

A. Upstream influences

Is the immediate receiving water upstream of the discharge or proposed discharge site influenced by any of the following? Check all that apply.

☐ Oil field activities
☐ Urban runoff
☒ Upstream discharges
☒ Agricultural runoff
☐ Septic tanks
☐ Other(s), specify: Click to enter text.

B. Waterbody uses

Observed or evidences of the following uses. Check all that apply.

- ☒ Livestock watering
- ☐ Irrigation withdrawal
- ☐ Fishing
- ☐ Domestic water supply
- ☐ Park activities
- ☐ Contact recreation
- ☐ Non-contact recreation
- ☐ Navigation
- ☐ Industrial water supply
- ☒ Other(s), specify: Runoff Conveyance

C. Waterbody aesthetics

Check one of the following that best describes the aesthetics of the receiving water and the surrounding area.

- ☐ Wilderness: outstanding natural beauty; usually wooded or unpastured area; water clarity exceptional
- ☒ Natural Area: trees and/or native vegetation; 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

ATTACHMENT A

CORE DATA FORM

TCEQ Use Only

TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

1. Reason for Submission (*If other is checked please describe in space provided.*)

☒ New Permit, Registration or Authorization (*Core Data Form should be submitted with the program application.*)

☐ Renewal *(Core Data Form should be submitted with the renewal form)* ☐ Other

2. Customer Reference Number *(if issued)*	Follow this link to search for CN or RN numbers in Central Registry**	**3. Regulated Entity Reference Number** *(if issued)*
CN 606063709		**RN**

SECTION II: Customer Information

4. General Customer Information	**5. Effective Date for Customer Information Updates** (mm/dd/yyyy)	7/7/2025

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership
☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*	*If new Customer, enter previous Customer below:*
Terrell Timmermann Farms, LP	

7. TX SOS/CPA Filing Number	**8. TX State Tax ID** (11 digits)	**9. Federal Tax ID** (9 digits)	**10. DUNS Number** *(if applicable)*
0802641117	32062773877		

11. Type of Customer:	☐ Corporation	☐ Individual	Partnership: ☐ General ☒ Limited
Government: ☐ City ☐ County ☐ Federal ☐ Local ☐ State ☐ Other		☐ Sole Proprietorship	☐ Other:

12. Number of Employees	**13. Independently Owned and Operated?**
☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher	☒ **Yes** ☐ **No**

14. Customer Role (Proposed or Actual) – *as it relates to the Regulated Entity listed on this form. Please check one of the following*

☐ Owner ☐ Operator ☒ Owner & Operator
☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant ☐ Other:

15. Mailing Address:	501 Vale Street						
	City	Austin	**State**	TX	**ZIP**	78746	**ZIP + 4**

16. Country Mailing Information *(if outside USA)*	**17. E-Mail Address** *(if applicable)*
	barth@greenviewdev.com

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(512) 773-0498		( ) -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information *(If 'New Regulated Entity" is selected, a new permit application is also required.)*

☒ New Regulated Entity ☐ Update to Regulated Entity Name ☐ Update to Regulated Entity Information

The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).

22. Regulated Entity Name *(Enter name of the site where the regulated action is taking place.)*

Coupland MUD #1 Wastewater Treatment Plant

23. Street Address of the Regulated Entity: ***(No PO Boxes)***								
	City		**State**		**ZIP**		**ZIP + 4**	
24. County	Williamson							

If no Street Address is provided, fields 25-28 are required.

25. Description to Physical Location:	Approximatley 1.07 miles northeast of the FM 1660 and Highway 95 Intersection				
26. Nearest City			**State**	**Nearest ZIP Code**	
Taylor			TX	76574	

Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).

27. Latitude (N) In Decimal:	30.4894		**28. Longitude (W) In Decimal:**	-97.3987	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
30	29	21.84	-97	23	55.32

29. Primary SIC Code (4 digits)	**30. Secondary SIC Code** (4 digits)	**31. Primary NAICS Code** (5 or 6 digits)	**32. Secondary NAICS Code** (5 or 6 digits)
4952		221230	

33. What is the Primary Business of this entity? *(Do not repeat the SIC or NAICS description.)*

Treat and dispose of Domestic Wastewater

34. Mailing Address:	**501 Vale Street**							
	City	**Austin**	**State**	**TX**	**ZIP**	**78746**	**ZIP + 4**	

35. E-Mail Address:	**barth@greenviewdev.com**

36. Telephone Number	**37. Extension or Code**	**38. Fax Number** *(if applicable)*
(512) 773-0498		( ) -

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Emissions Inventory Air	☐ Industrial Hazardous Waste
☐ Municipal Solid Waste	☐ New Source Review Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS
☐ Sludge	☐ Storm Water	☐ Title V Air	☐ Tires	☐ Used Oil
☐ Voluntary Cleanup	☒ Wastewater	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Michael Bevilacqua	**41. Title:**	Senior Project Manager

42. Telephone Number	**43. Ext./Code**	**44. Fax Number**	**45. E-Mail Address**
(737) 358-8103		( ) -	mbevilacqua@baxterwoodman.com

SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

Company:	Baxter & Woodman	**Job Title:**	Senior Project Manager
Name *(In Print):*	Michael Bevilacqua	**Phone:**	(737) 358- **8103**
Signature:	Michael Bevilacqua	**Date:**	7/7/2025

ATTACHMENT B

WASTEWATER TREATMENT PLANT PROPERTY DEED

ELECTRONICALLY RECORDED 2017102681
Williamson County, Texas Total Pages: 5

SPECIAL WARRANTY DEED

THE STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS: THAT
COUNTY OF WILLIAMSON §

GERALDINE TIMMERMANN, in her individual capacity ("Grantor"), for the consideration hereinafter stated paid and secured to be paid by **TERRELL TIMMERMANN FARMS, LP**, a Texas limited partnership ("Grantee"), in the manner hereinafter stated, has GRANTED, SOLD, AND CONVEYED, and by these presents does GRANT, SELL, AND CONVEY, unto Grantee, the following described real property in Williamson County, Texas, together with any and all improvements thereon (the "Property"):

> All those certain tracts or parcels of land, located in Williamson County, Texas, being more particularly described in Exhibit "A" attached hereto and incorporated herein by reference.

At the time of his death on September 29, 2014, the Property was owned by Terrell Timmermann, Deceased ("Decedent") jointly with the Grantor in community one-half shares. Pursuant to the will of Decedent (the "Will") that was admitted to probate in Cause No. C-1-PB-14-001888 in the Probate Court No. One of Travis County, Texas (certified copies of the Will and the Order Admitting Will to Probate are recorded under Document No. 2016091127, Official Public Records of Williamson County, Texas), all of Decedent's one half interest in the Property was devised to Grantor, Decedent's surviving spouse.

TO HAVE AND TO HOLD the Property, together with all and singular the rights and appurtenances thereto in anywise belonging unto Grantee, Grantee's successors and assigns, forever; and Grantor does hereby bind Grantor and Grantor's heirs, executors, personal representatives and assigns to WARRANT AND FOREVER DEFEND all and singular the Property unto Grantee, and Grantee's successors and assigns, against every person whomsoever lawfully claiming or to claim the same, or any part thereof, by through or under Grantor, but not otherwise; provided, however that this conveyance is made by Grantor and accepted by Grantee subject to any and all validly existing easements, rights-of-way, and prescriptive rights, whether of record or not; all presently recorded and validly existing instruments, other than conveyances of the surface fee estate, that affect the Property and the liens securing payment of ad valorem taxes for the current and all subsequent years. Grantee by acceptance of delivery of this deed does hereby assume and agree to perform all of the obligations of Grantor to pay said ad valorem taxes for the current and all subsequent years.

The consideration for this conveyance is the issuance to Grantor of limited partnership interests in Grantee pursuant to Section 721 of the Internal Revenue Code of 1986, as amended, the receipt and sufficiency of which is hereby acknowledged, and for the payment of consideration no lien, express or implied, is retained against the Property.

Address of Grantee: 501 Vale Street
Austin, Texas 78746

EXECUTED effective March 31, 2017.

GRANTOR:

Geraldine Timmermann

STATE OF TEXAS §

COUNTY OF TRAVIS §

This instrument was acknowledged before me this 31st day of March, 2017 by Geraldine Timmermann.

(SEAL)

FRANK B. BROWN IV
NOTARY PUBLIC
ID# 435749-4
State of Texas
Comm. Exp. 11-09-2020

Notary Public Signature

EXHIBIT "A"
TO
SPECIAL WARRANTY DEED

TRACT ONE: 127.77 acres of land, more or less, being out of and a portion of the Pedro Zarza Survey, Abstract No. 14, in Williamson County, Texas, and being the same tract of land conveyed in the deed recorded in Document No. 2006028870, of the Official Public Records of Williamson County, Texas, and being more particularly described in General Warranty Deed recorded under Document No. 2010088888, Official Public Records of Williamson County, Texas, reference to which instruments is here made for all purposes including a description of the property.

TRACT TWO: 135.23 acres of land, more or less, out of the Abasalom Jett Survey, Abstract No. 343, the William McFadden Survey, Abstract No. 432, the John Pharras Survey, Abstract No. 495 and the W.J. Baker Survey, Abstract No. 65, in Williamson County, Texas, said 135.23 acres of land being more particularly described in General Warranty Deed recorded under Document No. 2005042408, Official Public Records of Williamson County, Texas, reference to which instrument is here made for all purposes including a description of the property.

TRACT THREE: 159.36 acres of land, more or less, being out of and a portion of the Silas Palmer Survey, Abstract No. 499, in Williamson County, Texas, said 159.36 acres of land being more particularly described in General Warranty Deed recorded under Document No. 2005053706, Official Public Records of Williamson County, Texas, reference to which instrument is here made for all purposes including a description of the property.

TRACT FOUR: 137.719 acres of land, more or less, situated in the C. E. P. I. & M. Co. Survey No. 186, in Williamson County, Texas, said 137.719 acres of land being more particularly described in General Warranty Deed recorded under Document No. 2011088026, Official Public Records of Williamson County, Texas, reference to which instrument is here made for all purposes including a description of the property.

TRACT FIVE: 65.804 acres of land, more or less, situated in the C. E. P. I. & M. Co. Survey No. 186, in Williamson County, Texas, 24.287 acres, more or less being described as Tract 1 and 41.517 acres, more or less, being described as Tract 2, both in that certain General Warranty Deed recorded under Document No. 2012084053, Official Public Records of Williamson County, Texas, reference to which instrument is here made for all purposes including a description of the property.

TRACT SIX: 422.22 acres of land, more or less, out of the William Ashworth Survey, Abstract No. 24, in Williamson County, Texas, said 422.22 acres being more particularly described in Cash Warranty Deed recorded under Document No. 9733706, Official Public Records of Williamson County, Texas, reference to which instrument is here made for all purposes including a description of the property.

TRACT SEVEN: 85 acres, more or less, lying and being situated in Williamson County, Texas, being a part of and out of the John A. Crosby Survey, Abstract No. 149, said 85 acres being more particularly described in Deed recorded in Vol. 1647, Page 266, Official Records of Williamson County, Texas, reference to which instrument is here made for all purposes including a description of the property.

TRACT EIGHT: 338.192 acres of land, more or less, out of the James C. Eaves Survey, Abstract No. 213, in Williamson County, Texas, said 338.192 acres being more particularly described in Warranty Deed recorded under Document No. 9619524, Official Records of Williamson County, Texas, reference to which instrument is here made for all purposes including a description of the property.

TRACT NINE: 100 acres of land, more or less, out of the John A. Crosby Survey, Abstract No. 149, in Williamson County, Texas, ***save and except*** 0.55 of an acre of land, more or less, out of the above described 100 acres of land, conveyed for right-of-way purposes by Deed dated Jan. 14, 1950, and recorded in Vol. 361, Page 115, of the Deed Records of Williamson County, Texas, all as more particularly described in Warranty Deed recorded under in Vol. 799, Page 658, Deed Records of Williamson County, Texas, reference to which instrument is here made for all purposes including a description of the property.

TRACT TEN: 85.123 acres of land, more or less, out of the Thomas B. Lee Survey, Abstract No. 403, in Williamson County, Texas, said 85.123 acres being more particularly described in Warranty Deed recorded in Vol. 2505, Page 831, Official Records of Williamson County, Texas, reference to which instrument is here made for all purposes including a description of the property.

TRACT ELEVEN: 112.641 acres of land, more or less, out of the Jacob Rinehard Survey, Abstract No. 538, and the E. Beader Survey, Abstract No. 80, in Williamson County, Texas, ***save and except*** a 10.00 acre tract of land, more or less, situated in the Jacob Rinehard Survey, Abstract No. 538, in Williamson County, Texas, being more particularly described in Warranty Deed recorded in Vol. 1839, Page 291, Official Records of Williamson County, Texas, reference to which instrument is here made for all purposes including a description of the property.

ELECTRONICALLY RECORDED
OFFICIAL PUBLIC RECORDS

2017102681

Pages: 5 Fee: $33.00
11/06/2017 09:18 AM

Nancy E. Rister, County Clerk
Williamson County, Texas

ATTACHMENT C

USGS MAPS

FILE: P:\GRVDV\2326494-Coupland MUD_1 TCEQ\00-Multiple Work Types\CAD\Exhibits\ATTACHMENT C- USGS MAP.dwg TAB: USGS (1 OF 3) PLOTTED: 4/28/2025 12:19 PM BY: GLENN POPE

USGS science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

COUPLAND QUADRANGLE
TEXAS
7.5-MINUTE SERIES

1-MILE RADIUS FROM APPLICANT'S PROPERTY BOUNDARY

WWTP FACILITY BOUNDARY

OIL OR GAS #5837201

PROPOSED DISCHARGE LOCATION

WITHDRAWAL OF WATER #5837301

DISCHARGE ROUTE

1-MILE DOWNSTREAM

-97.5000° 30.5000° 3375000mN 644000mE -97.3750° 30.5000° 6560000mE 3362000mN

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015
Names.....GNIS, 1979 - 2018
Hydrography.....National Hydrography Dataset, 2000 - 2018
Contours.....National Elevation Dataset, 2002 - 2004
Boundaries.....Multiple sources; see metadata file 2016 - 2017

Wetlands.....FWS National Wetlands Inventory 1982 - 1984

MN
GN
3°31' 63 MILS
0°48' 14 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
PU
Grid Zone Designation 14R

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 MILES 1
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

TEXAS
QUADRANGLE LOCATION

1 2 3
4 5
6 7 8
ADJOINING QUADRANGLES

1 Hutto
2 Taylor
3 Thrall
4 Pflugerville East
5 Structure
6 Manor
7 Elgin West
8 Elgin East

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

COUPLAND, TX
2019

BAXTER & WOODMAN Consulting Engineers
301 DENALI PASS DR., SUITE 3
CEDAR PARK, TEXAS 78613
(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

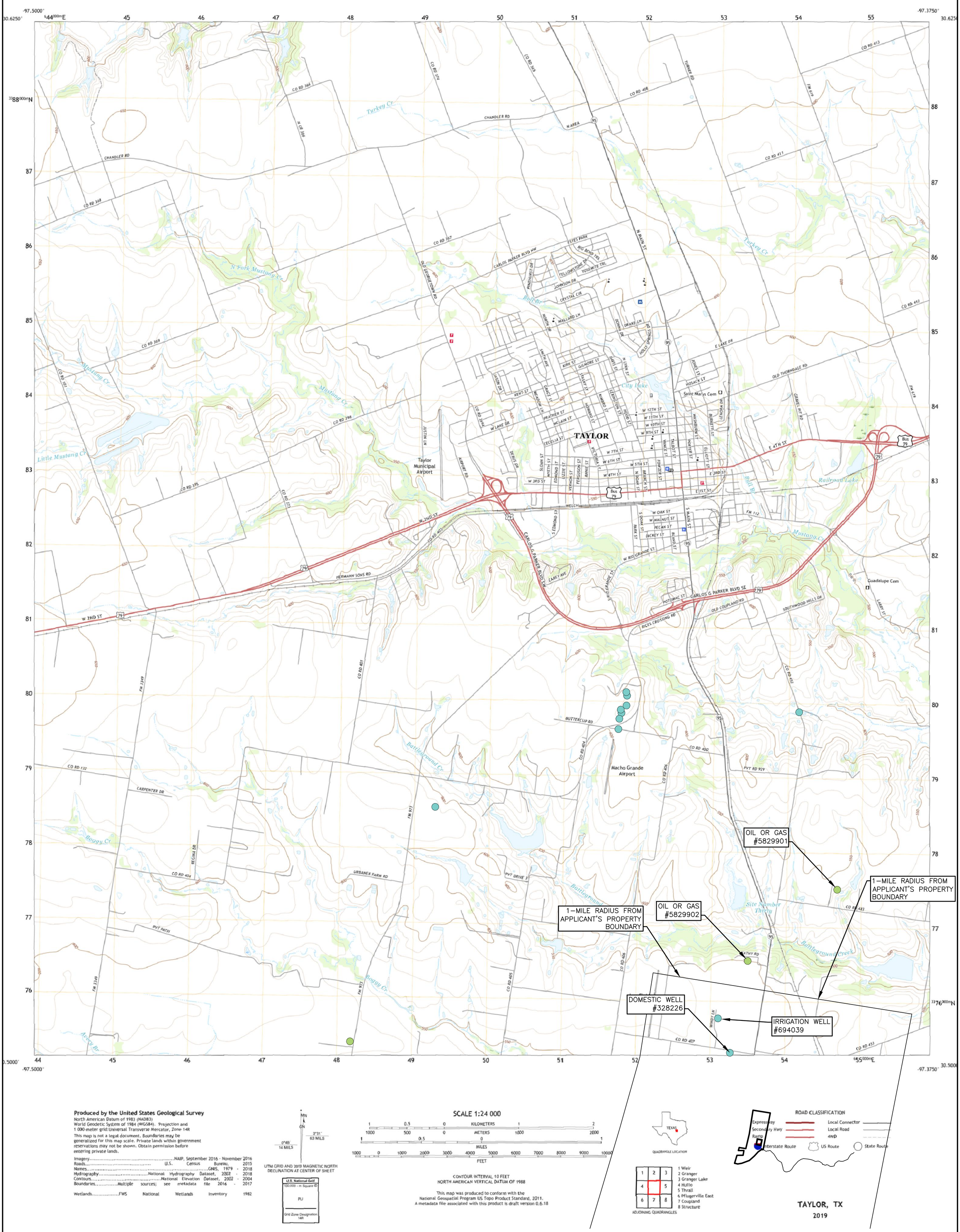
ATTACHMENT C- USGS MAP - USGS (1 OF 3)

USGS science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

TAYLOR QUADRANGLE
TEXAS - WILLIAMSON COUNTY
7.5-MINUTE SERIES



OIL OR GAS #5829901

1-MILE RADIUS FROM APPLICANT'S PROPERTY BOUNDARY

OIL OR GAS #5829902

1-MILE RADIUS FROM APPLICANT'S PROPERTY BOUNDARY

DOMESTIC WELL #328226

IRRIGATION WELL #694039

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

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Imagery	NAIP, September 2016 - November 2016	
Roads	U.S. Census Bureau,	2015
Names	GNIS, 1979 -	2018
Hydrography	National Hydrography Dataset, 2002 -	2018
Contours	National Elevation Dataset, 2002 -	2004
Boundaries	Multiple sources; see metadata file 2016 -	2017
Wetlands	FWS National Wetlands Inventory	1982

MN
GN
3°31'
63 MILS
0°48'
14 MILS
UTM GRID AND 2019 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
PU
Grid Zone Designation
14R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

TEXAS
QUADRANGLE LOCATION

1 2 3
4 5
6 7 8
ADJOINING QUADRANGLES
1 Weir
2 Granger
3 Granger Lake
4 Hutto
5 Thrall
6 Pflugerville East
7 Coupland
8 Structure

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

TAYLOR, TX
2019

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(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

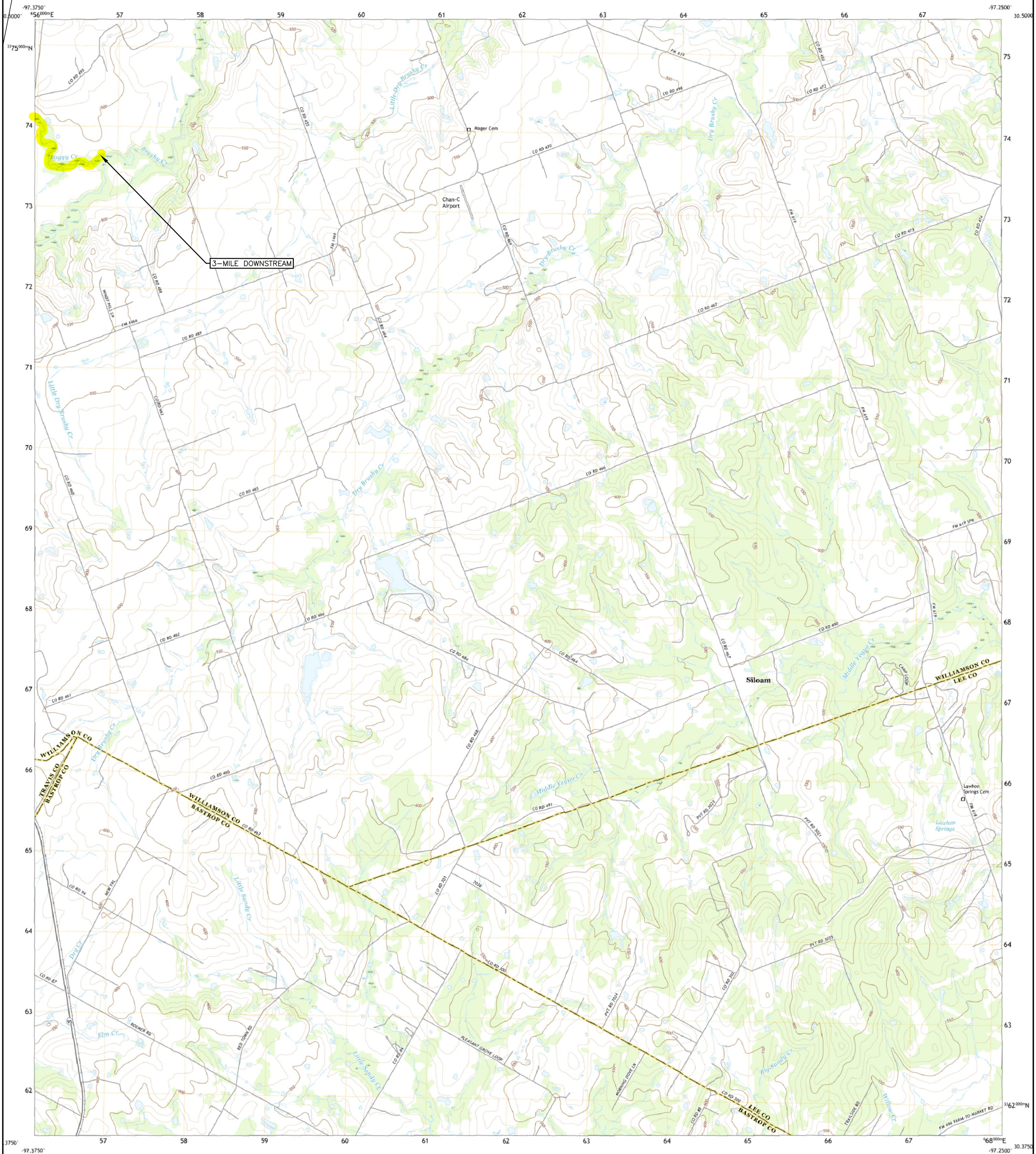
ATTACHMENT C- USGS MAP - USGS (2 OF 3)

USGS science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

STRUCTURE QUADRANGLE
TEXAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

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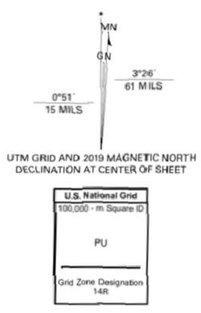
Imagery	NAIP,	September 2016 - November 2016
Roads	U.S. Census Bureau,	2015
Names	GNIS,	1979 - 2003
Hydrography	National Hydrography Dataset,	2000 - 2018
Contours	National Elevation Dataset,	2004
Boundaries	Multiple sources; see metadata file	2016 - 2017
Wetlands	FWS National Wetlands Inventory	1982 - 1984



UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

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1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011. A metadata file associated with this product is draft version 0.6.18

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Taylor
2 Thrall
3 Thorndale
4 Coupland
5 Beaukiss
6 Elgin West
7 Elgin East
8 McDade

ADJOINING QUADRANGLES

ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Hwy	Local Road
Ramp	4WD
Interstate Route	US Route / State Route

STRUCTURE, TX
2019

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(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

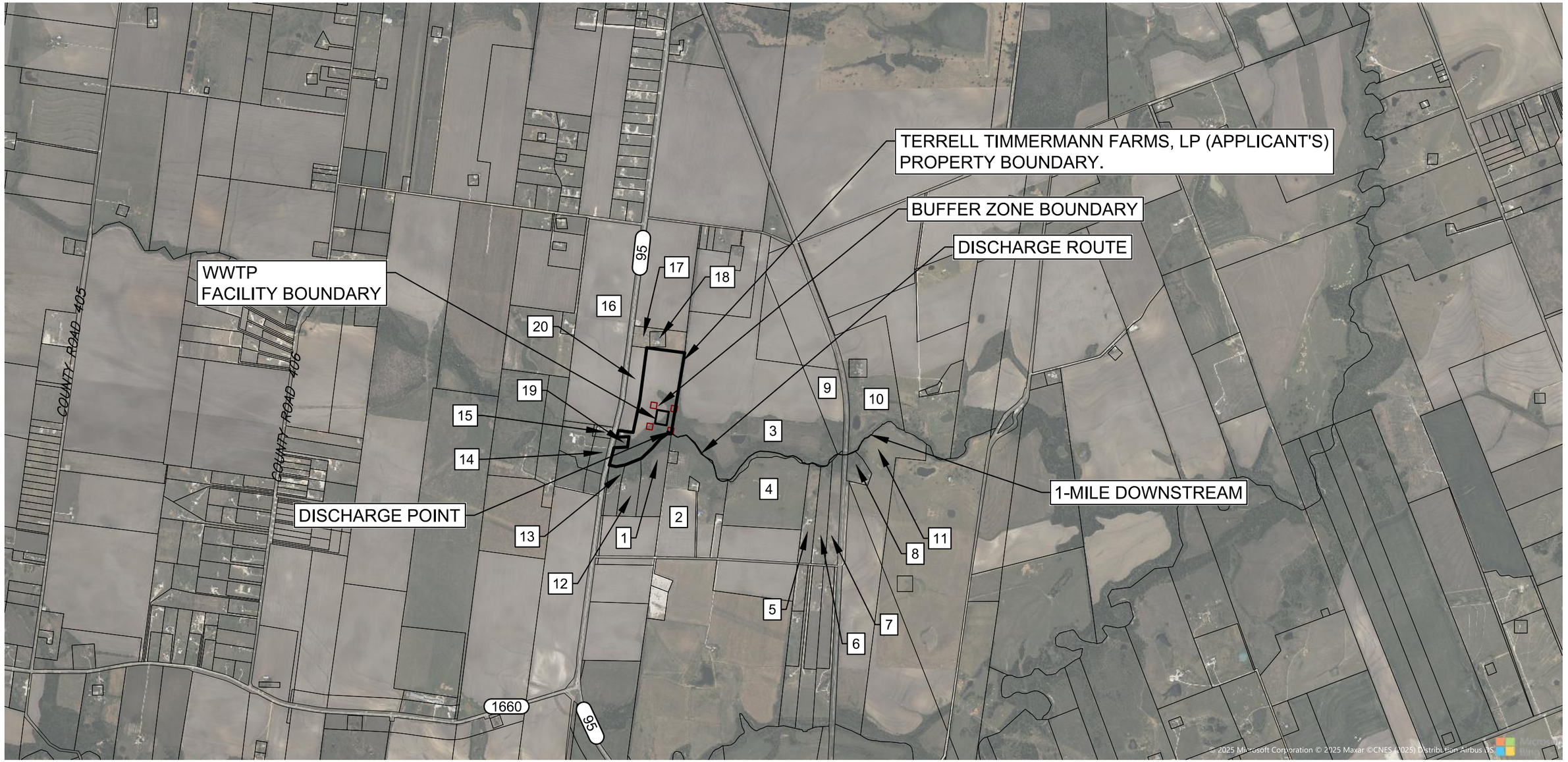
ATTACHMENT C- USGS MAP - USGS (3 OF 3)

ATTACHMENT D

AFFECTED LANDOWNERS MAP

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 WWTP
Attachment D - Affected Landowners List

NUMBER	OWNER NAME	MAILING ADDRESS
1	GREGORY WEBB GOLSTON	1709 FAWN DR AUSTIN TX 78741
2	ALLEN B PARSON TRUSTEE OF AB PARSON AND EM PARSON JOINT REVOCABLE LIVING TRUST	401 COUNTY RD 454 TAYLOR, TX 76574
3	HEBBE FAMILY PROPERTIES LTD	16341 CAMERON RD PFLUGERVILLE TX 78660
4	CLIFTON GONZENBACH TRUSTEE OF THE GONZENBACH FAMILY TRUST LE	15309 FUCHS GROVE RD MANOR TX 78653
5	OLIVIA HENLEY AND KARI M WRIGHT	801 COUNTY RD 454 TAYLOR TX 76574
6	GILBERT JR AND MERRILYN P ALCOCER	851 COUNTY RD 454 TAYLOR TX 76574
7	MATTHEW EDWARD MAKARCZYK AND KEIKO TAKIMOTO MAKARCZYK	875 COUNTY RD 454 TAYLOR TX 76574
8	GARY MOHEL	1300 COUNTY RD 454 TAYLOR TX 76574
9	HEBBE FAMILY PROPERTIES LTD	16341 CAMERON RD PFLUGERVILLE TX 78660
10	GLENN GRAHAM	600 COUNTY RD 453 TAYLOR TX 76574
11	REGAN E AND ELIZABETH A BECK	5000 LOCKWOOD DR WACO TX 76710
12	PAUL STASNY GOLSTON	11501 S STATE HIGHWAY 95 TAYLOR TX 76574
13	PAUL STASNY GOLSTON	11501 S STATE HIGHWAY 95 TAYLOR TX 76574
14	JASON R NEIPERT	11500 S STATE HIGHWAY 95 TAYLOR TX 76574
15	ROBERTO AND CARLEE PEREZ	11400 S STATE HIGHWAY 95 TAYLOR TX 76574
16	JO BETH KRANKEL	1001 N MAIN ST ELGIN TX 78621
17	PABLO CORTINA AND COURTNEY PINEDA	11001 S STATE HIGHWAY 95 TAYLOR TX 76574
18	PABLO CORTINA AND COURTNEY PINEDA	11001 S STATE HIGHWAY 95 TAYLOR TX 76574
19	DAVID BOHL AND GRACIELA CANTU	PO BOX 1682 BURNET TX 78611
20	TERRELL TIMMERMANN FARMS LP	501 VALE ST AUSTIN TX 78746



N

0' 2,000' 4,000'

SCALE: 1"=2,000'

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CEDAR PARK, TEXAS 78613
(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

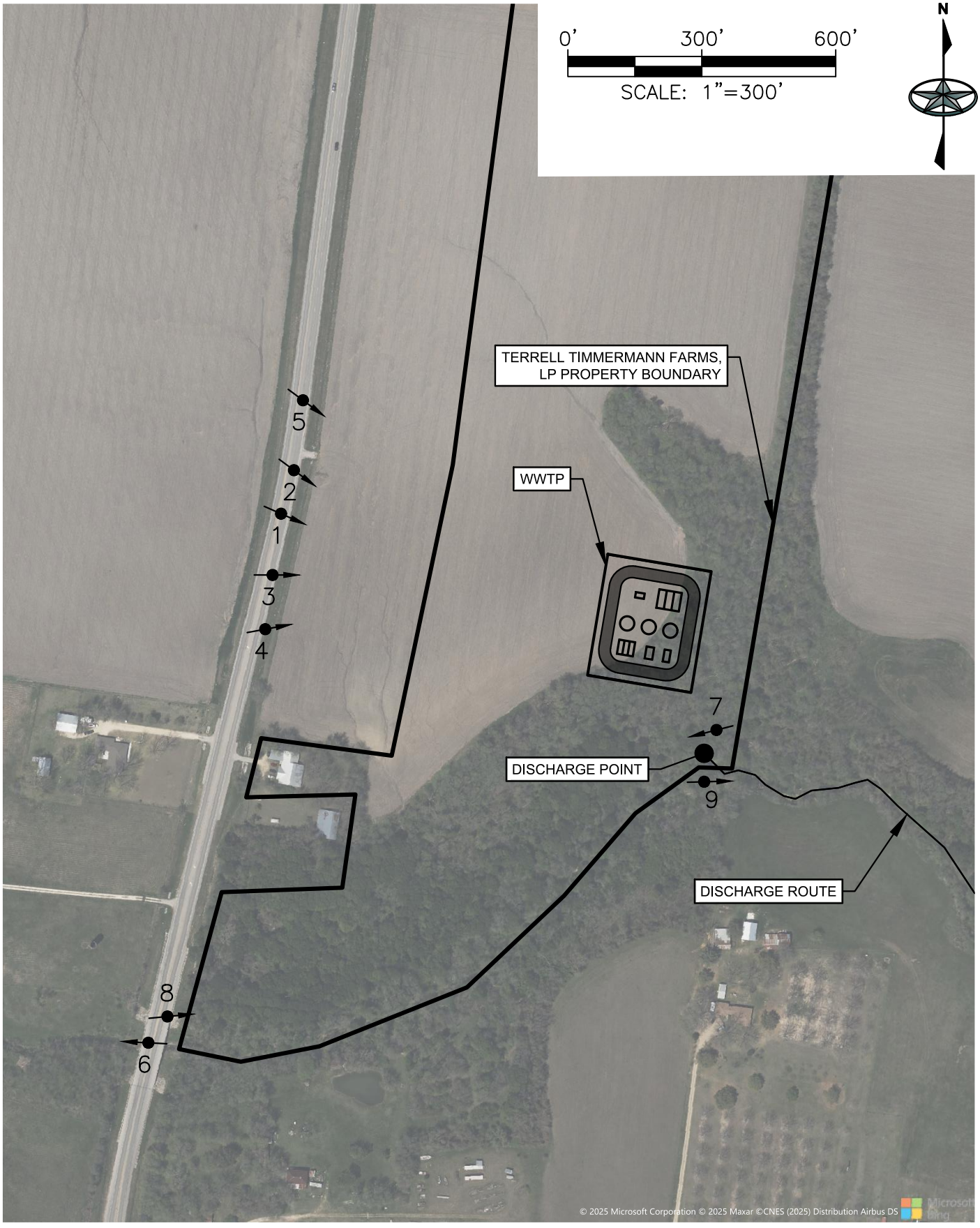
TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

ATTACHMENT D - AFFECTED LANDOWNERS MAP

FILE: ATTACHMENT D – AFFECTED LANDOWNERS.dwg TAB: LANDOWNERS PLOTTED: 4/30/2025 10:30 AM BY: GLENN POPE

ATTACHMENT E

ORIGINAL PHOTOGRAPHS



FILE: ATTACHMENT E – PHOTOGRAPH PLOT MAP.dwg TAB: PHOTO PLOT MAP PLOTTED: 4/28/2025 11:50 AM BY: GLENN POPE

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(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

ATTACHMENT E - PHOTOGRAPH PLOT MAP

Photo #1 – facing Southeast: Headworks, Aeration, and Clarifiers.

Photo #2 – facing Southeast: Clarifiers, Sludge Holding, Chlorine Contact (or UV), and Tertiary Filters.

Photo #3 –facing East: Sludge Holding and Clarifiers.

Photo #4 –facing Northeast: Sludge Holding, Chlorine Contact (or UV), Tertiary Filters, and Clarifiers.

Photo #5 –facing Southeast: Headworks, Clarifiers, and Aeration Basins.

Photo #6 – facing West: Upstream of Discharge.

Photo #7 – facing Southwest: Discharge Point, Facing Upstream.

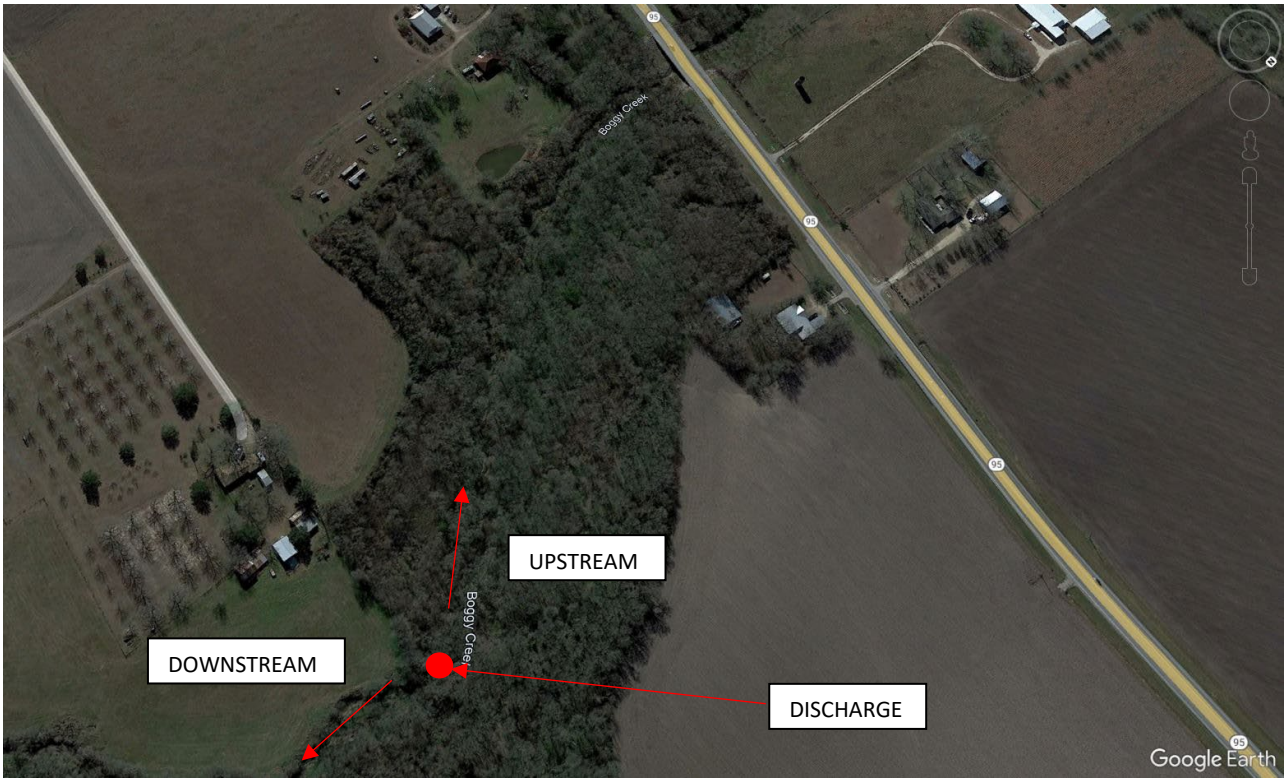
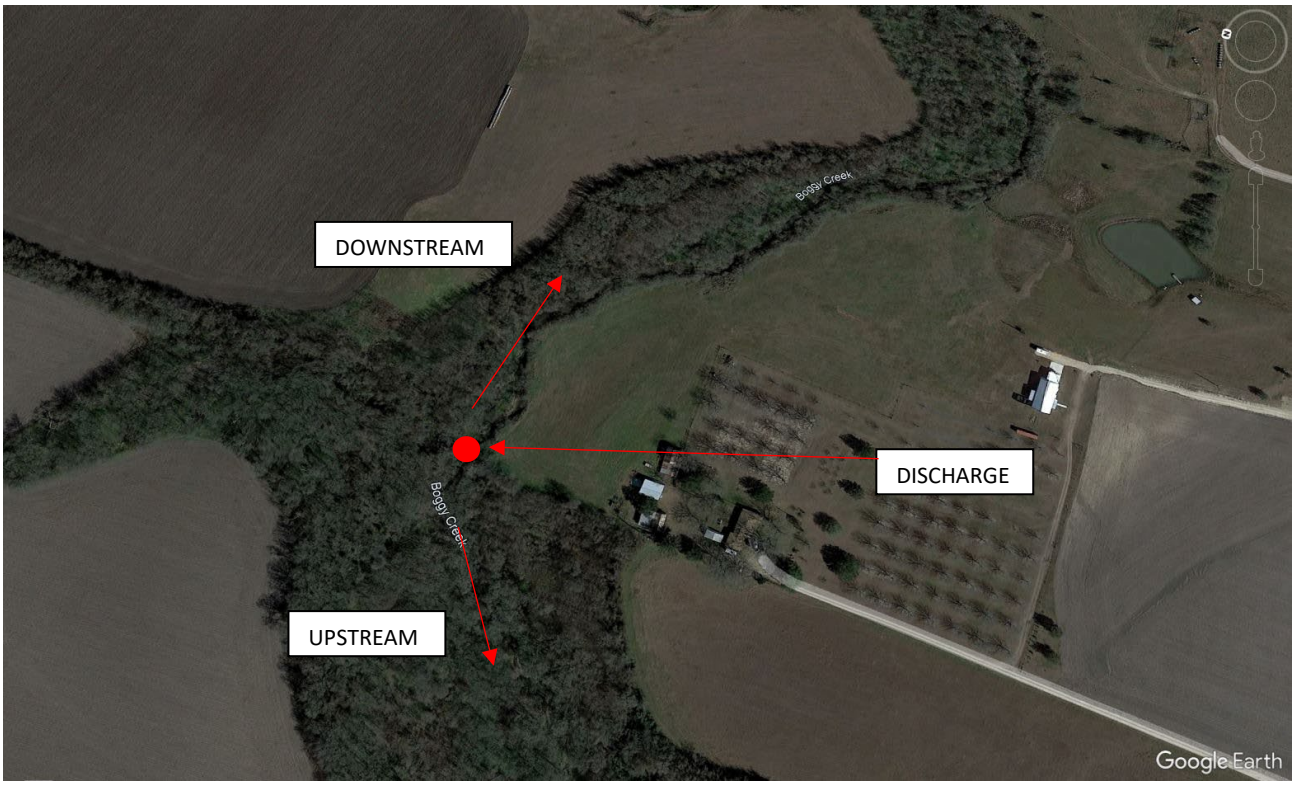


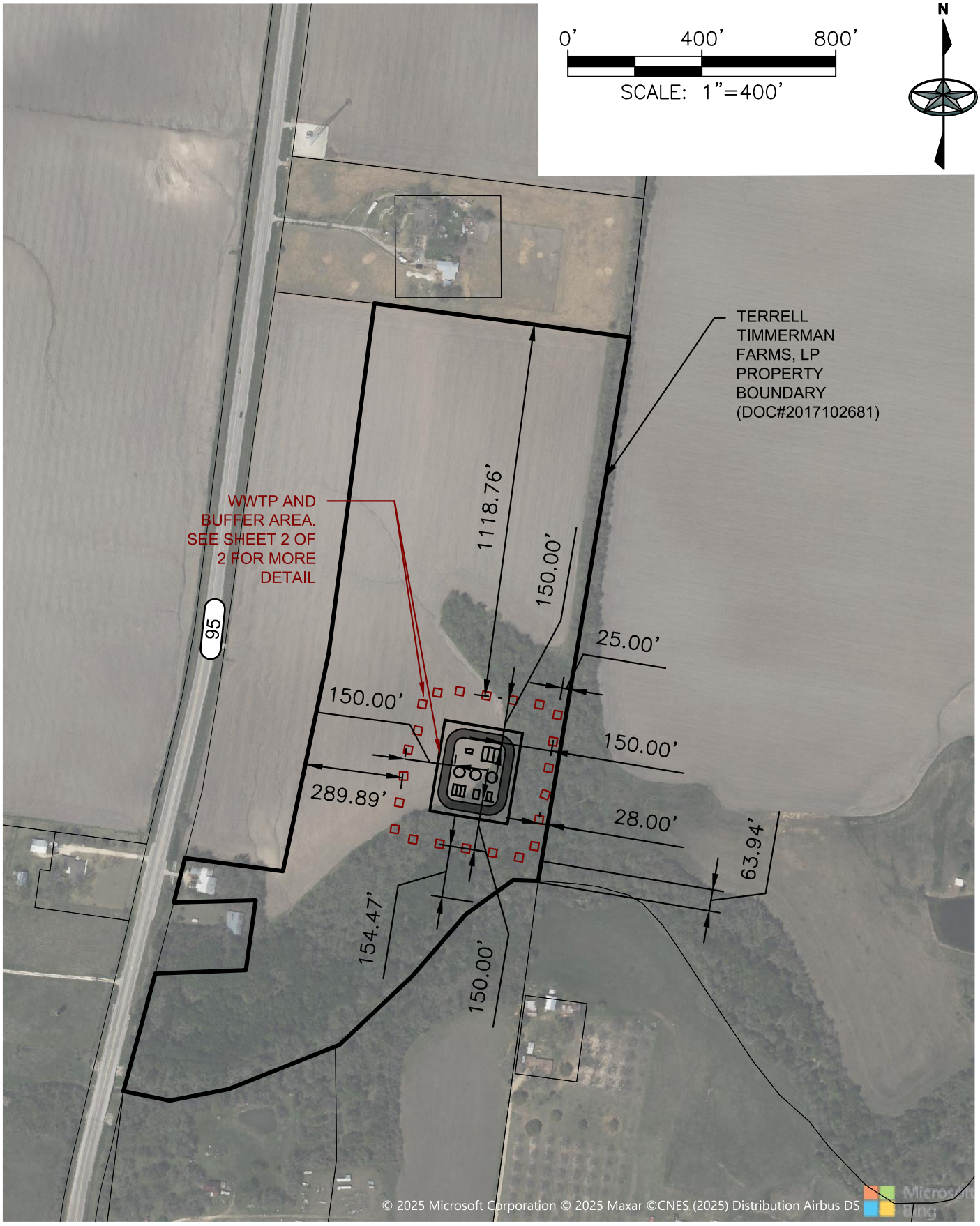
Photo #8 – facing Northeast: Downstream towards Discharge Point.

Photo #9 – facing Southeast: Discharge Point, facing downstream.



ATTACHMENT F

BUFFER ZONE MAP



FILE: ATTACHMENT F – BUFFER ZONE MAP.dwg TAB: BUFFER ZONE (1 OF 2) PLOTTED: 4/28/2025 11:45 AM BY: GLENN POPE

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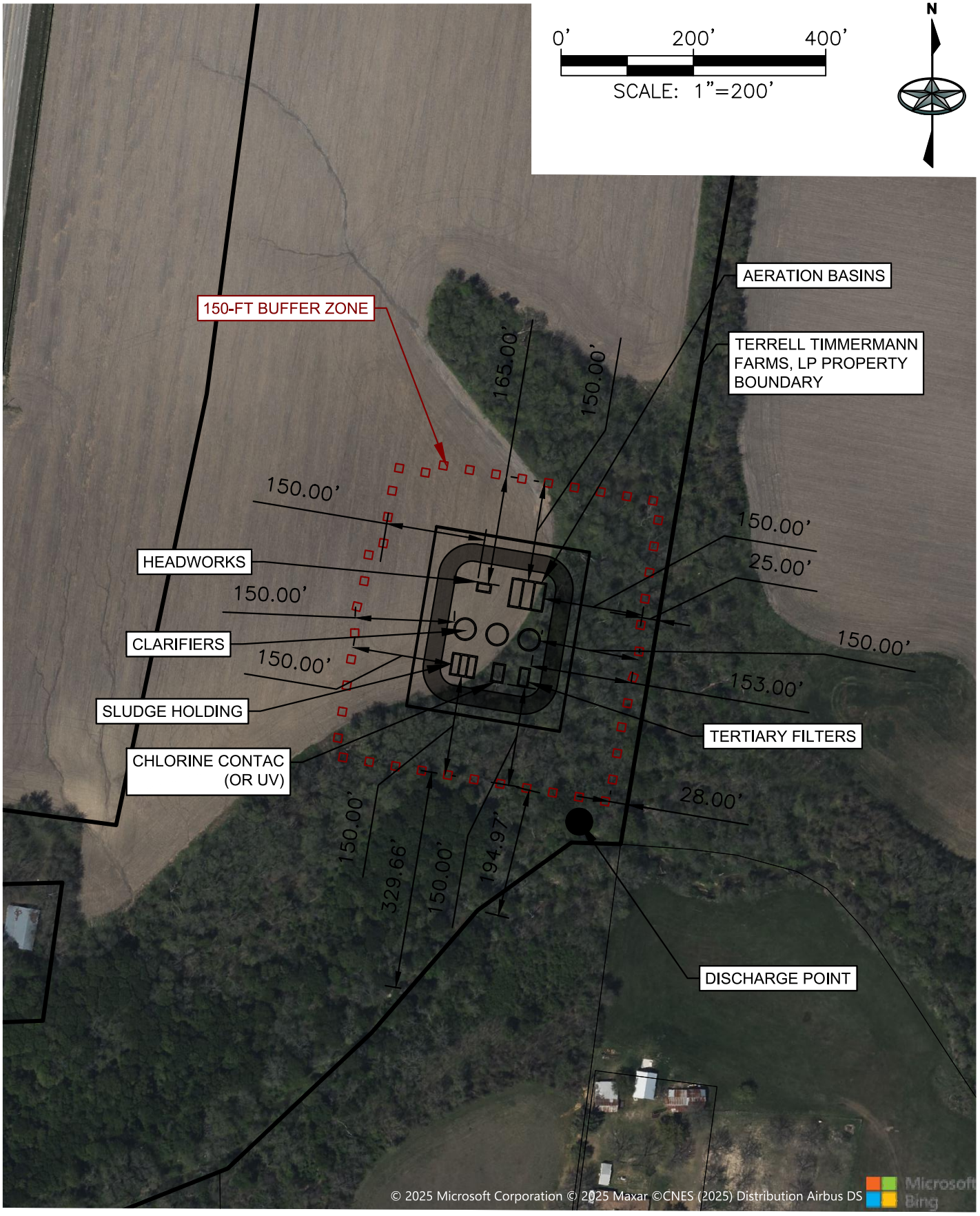
(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

ATTACHMENT F - BUFFER ZONE MAP (1 OF 2)



FILE: ATTACHMENT F – BUFFER ZONE MAP.dwg TAB: BUFFER ZONE (2 OF 2) PLOTTED: 4/28/2025 11:41 AM BY: GLENN POPE

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(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

ATTACHMENT F - BUFFER ZONE MAP (2 OF 2)

ATTACHMENT G

SPIF USGS MAPS

FILE: P:\GRVDV\2326494-Coupland MUD_1 TCEQ\00-Multiple Work Types\CAD\Exhibits\ATTACHMENT G - SPIF USGS MAP.dwg TAB: SPIF (1 OF 3) PLOTTED: 4/28/2025 11:02 AM BY: GLENN POPE

USGS science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

COUPLAND QUADRANGLE
TEXAS
7.5-MINUTE SERIES

DOMESTIC WELL #328226

1-MILE RADIUS FROM APPLICANT'S PROPERTY BOUNDARY

WWTP FACILITY BOUNDARY

OIL OR GAS #5837201

PROPOSED DISCHARGE LOCATION

DISCHARGE ROUTE

1-MILE DOWNSTREAM

WITHDRAWAL OF WATER #5837301

-97.5000° 30.5000° 644000mE 45 46 47 48 49 50 51 52 53 54 55 -97.3750° 30.500

3375000mN 75 74 73 72 71 70 69 68 67 66 65 64 63 62 3362000mN

Avery Br
Boggy Cr
Brushy Cr
Willow Cr
Cottonwood Cr
Dry Cr
Elm Cr
Soil Conservation Service Site 32 Reservoir

Kimbro Cem
Avery Cem
Coupland
Crosswinds Airfield
Skye Dance Airport
Manda
Lund

FM 3349 FM 1660 FM 973 FM 973 N FM 1466 FM 1100
CO RD 485 CO RD 129 CO RD 405 CO RD 454 CO RD 457 CO RD 458 CO RD 459 CO RD 87
BURR OAK DR RICHLAND RD JANAK RD PFLUGER BERKMAN RD FELDER LN HAMANN LN WALTON HILL PASS MCCURRY RD SANDEEN RD BRITA OLSON RD AXELL LN NEW SWEDEN CHURCH RD CHURCH LN JACOBSON RD MANDA CARLSON RD WELLS SCHOOL RD WELLS LN MANDA RD BOIS D ARC LN KIMBRO WEST RD LUND CARLSON RD WERCHAN LN LUND - CARLSON RD SACG RD LUND RD N HARRY LIND RD CARLSON LN WELLS RD CO LINE RD CAMERON RD
N BROAD ST S COMMERCE ST
WILLIAMSON CO TRAVIS CO
TRAVIS CO BASTROP CO

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and 1 000-meter grid:Universal Transverse Mercator, Zone 14R

This map is not a legal document. Boundaries may be generalized for this map scale. Private lands within government reservations may not be shown. Obtain permission before entering private lands.

Imagery	NAIP, September 2016 - November 2016
Roads	U.S. Census Bureau, 2015
Names	GNIS, 1979 - 2018
Hydrography	National Hydrography Dataset, 2000 - 2018
Contours	National Elevation Dataset, 2002 - 2004
Boundaries	Multiple sources; see metadata file 2016 - 2017
Wetlands	FWS National Wetlands Inventory 1982 - 1984

MN GN 3°31' 63 MILS 0°48' 14 MILS
UTM GRID AND 2019 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
PU
Grid Zone Designation 14R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 MILES 1
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000 FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

TEXAS
QUADRANGLE LOCATION

1 2 3
4 5
6 7 8
ADJOINING QUADRANGLES
1 Hutto
2 Taylor
3 Thrall
4 Pflugerville East
5 Structure
6 Manor
7 Elgin West
8 Elgin East

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

COUPLAND, TX
2019

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TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

ATTACHMENT G - SPIF USGS MAP - SPIF (1 OF 3)

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U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

TAYLOR QUADRANGLE
TEXAS - WILLIAMSON COUNTY
7.5-MINUTE SERIES

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World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid: Universal Transverse Mercator, Zone 14R

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Imagery	NAIP,	September 2016 - November 2016
Roads	U.S. Census Bureau,	2015
Names	GNIS,	1979 - 2018
Hydrography	National Hydrography Dataset,	2002 - 2018
Contours	National Elevation Dataset,	2002 - 2004
Boundaries	Multiple sources; see metadata file	2016 - 2017
Wetlands	FWS National Wetlands Inventory	1982

MN
GN
3°31'
63 MILS
0°48'
14 MILS
UTM GRID AND 2019 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
PU
Grid Zone Designation
14R

SCALE 1:24 000
1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

TEXAS
QUADRANGLE LOCATION

1 2 3
4 5
6 7 8
1 Weir
2 Granger
3 Granger Lake
4 Hutto
5 Thrall
6 Pflugerville East
7 Coupland
8 Structure
ADJOINING QUADRANGLES

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

TAYLOR, TX
2019

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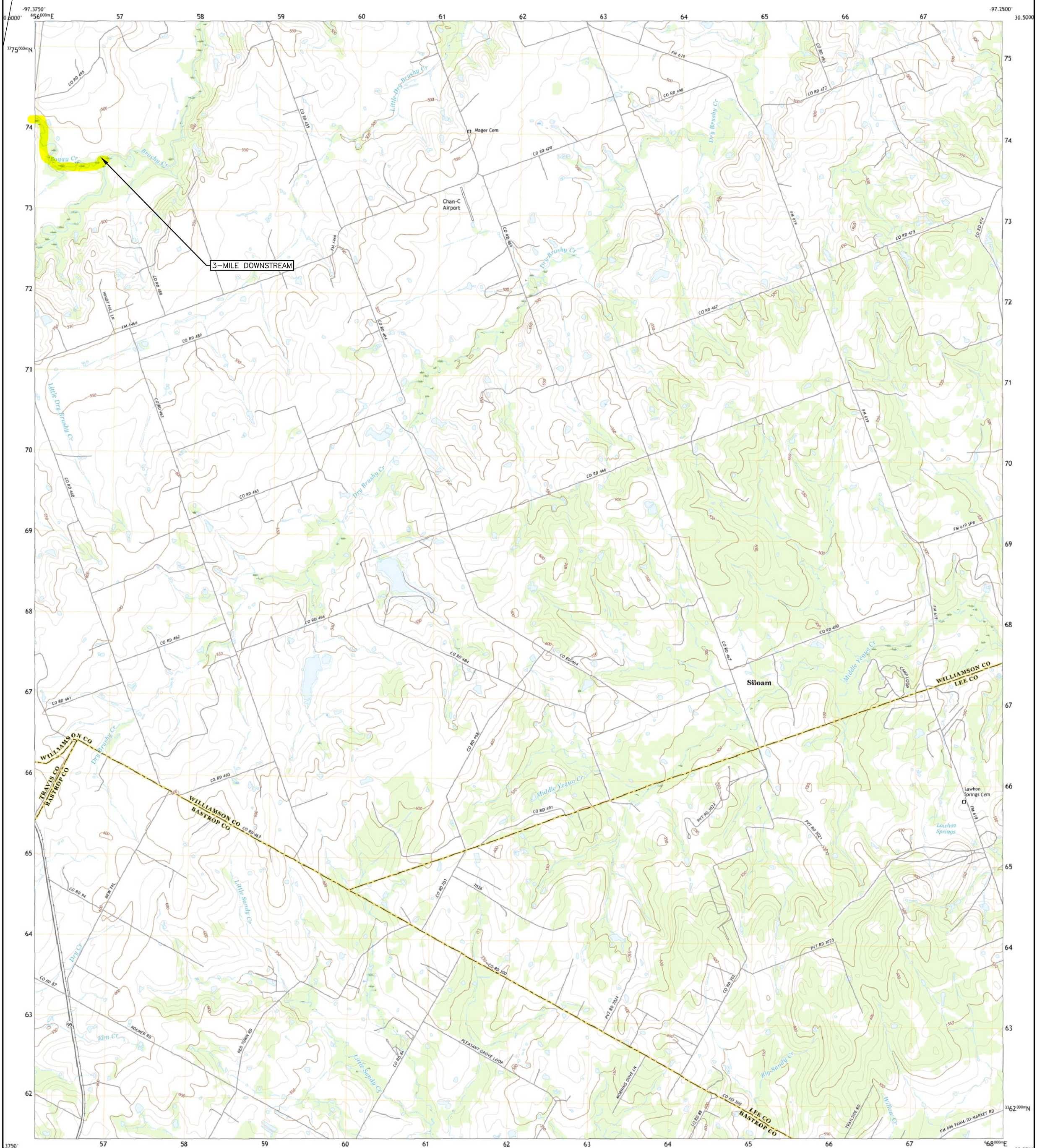
ATTACHMENT G - SPIF USGS MAP - SPIF (2 OF 3)

USGS science for a changing world

U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

The National Map US Topo

STRUCTURE QUADRANGLE
TEXAS
7.5-MINUTE SERIES



Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid:Universal Transverse Mercator, Zone 14R

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Imagery	NAIP,	September 2016 - November 2016
Roads	U.S. Census Bureau,	2015
Names	GNIS,	1979 - 2003
Hydrography	National Hydrography Dataset,	2000 - 2018
Contours	National Elevation Dataset,	2004
Boundaries	Multiple sources; see metadata file	2016 - 2017
Wetlands	FWS National Wetlands Inventory	1982 - 1984

MN
GN
3°26'
61 MILS
0°51'
15 MILS
UTM GRID AND 2019 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

U.S. National Grid
100,000-m Square ID
PU
Grid Zone Designation
14R

SCALE 1:24 000

1 0.5 0 KILOMETERS 1 2
1000 500 0 METERS 1000 2000
1 0.5 0 1
MILES
1000 0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10000
FEET

CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18

QUADRANGLE LOCATION

1	2	3
4		5
6	7	8

1 Taylor
2 Thrall
3 Thorndale
4 Coupland
5 Beaukiss
6 Elgin West
7 Elgin East
8 McDade
ADJOINING QUADRANGLES

ROAD CLASSIFICATION
Expressway
Secondary Hwy
Ramp
Local Connector
Local Road
4WD
Interstate Route
US Route
State Route

STRUCTURE, TX
2019

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ATTACHMENT G - SPIF USGS MAP - SPIF (3 OF 3)

ATTACHMENT H

PUBLIC INVOLVEMENT PLAN

Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

The Public Involvement Plan is intended to provide applicants and the agency with information about how public outreach will be accomplished for certain types of applications in certain geographical areas of the state. It is intended to apply to new activities; major changes at existing plants, facilities, and processes; and to activities which are likely to have significant interest from the public. This preliminary screening is designed to identify applications that will benefit from an initial assessment of the need for enhanced public outreach.

All applicable sections of this form should be completed and submitted with the permit or registration application. For instructions on how to complete this form, see TCEQ-20960-inst.

Section 1. Preliminary Screening

⬓ New Permit or Registration Application
☐ New Activity – modification, registration, amendment, facility, etc. (see instructions)

If neither of the above boxes are checked, a Public Involvement Plan is not necessary. Completion of the remaining sections not required.

Section 2. Secondary Screening

⬓ Requires public notice,
☐ Considered to have significant public interest, **and**
☐ Located within any of the following geographical locations:

- Austin
- Dallas
- Fort Worth
- Houston
- San Antonio
- West Texas
- Texas Panhandle
- Along the Texas/Mexico Border
- Other geographical locations should be decided on a case-by-case basis

If all of the above boxes are not checked, a Public Involvement Plan is not necessary. Stop after Section 2.

⬓ Public Involvement Plan not applicable to this application. Provide **brief** explanation.
This project does not have significant public interest since it does not contain activities or industries (i.e. industrial, manufacturing, etc.) that would garner such interest.

Section 3. Application Information

Type of Application (check all that apply):

Air ☐ Initial ☐ Federal ☐ Amendment ☐ Standard Permit ☐ Title V

Waste ☐ Municipal Solid Waste ☐ Industrial and Hazardous Waste
☐ Radioactive Materials Licensing ☐ Underground Injection Controls

Water Quality

☐ Texas Pollutant Discharge Elimination System (TPDES)

- ☐ Texas Land Application Permit (TLAP)
- ☐ State Only Concentrated Animal Feeding Operation (CAFO)
- ☐ Water Treatment Plant Residuals Disposal Permit
  - ☐ Class B Biosolids Land Application Permit
  - ☐ Domestic Septage Land Application Registration

Water Rights New Permit

- ☐ New Appropriation of Water
- ☐ New or existing reservoir

Amendment to an Existing Water Right

- ☐ Add a New Appropriation of Water
- ☐ Add a New or Existing Reservoir
- ☐ Major Amendment that could affect other water rights or the environment

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

Community information can be found using EPA's EJ Screen, U.S. Census Bureau information, or generally available demographic tools.

Information gathered in this section can assist with the determination of whether alternative language notice is necessary. Please provide the following information.

_____

(City)

_____

(County)

(Census Tract)

Please indicate which of these three is the level used for gathering the following information.
☐ City
☐ County
☐ Census Tract

(a) Percent of people over 25 years of age who at least graduated from high school

(b) Per capita income for population near the specified location

(c) Percent of minority population and percent of population by race within the specified location

(d) Percent of Linguistically Isolated Households by language within the specified location

(e) Languages commonly spoken in area by percentage

(f) Community and/or Stakeholder Groups

(g) Historic public interest or involvement

Section 6. Planned Public Outreach Activities

(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?

☐ Yes ☐ No

(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?

☐ Yes ☐ No

If Yes, please describe.

If you answered "yes" that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.

(c) Will you provide notice of this application in alternative languages?

☐ Yes ☐ No

Please refer to Section 5. If more than 5% of the population potentially affected by your application is Limited English Proficient, then you are required to provide notice in the alternative language.

If yes, how will you provide notice in alternative languages?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

(d) Is there an opportunity for some type of public meeting, including after notice?

☐ Yes ☐ No

(e) If a public meeting is held, will a translator be provided if requested?

☐ Yes ☐ No

(f) Hard copies of the application will be available at the following (check all that apply):

☐ TCEQ Regional Office

☐ TCEQ Central Office

☐ Public Place (specify)

Section 7. Voluntary Submittal

For applicants voluntarily providing this Public Involvement Plan, who are not subject to formal public participation requirements.

Will you provide notice of this application, including notice in alternative languages?

☐ Yes ☐ No

What types of notice will be provided?

☐ Publish in alternative language newspaper

☐ Posted on Commissioner's Integrated Database Website

☐ Mailed by TCEQ's Office of the Chief Clerk

☐ Other (specify)

ATTACHMENT I

TREATMENT PROCESS DESCRIPTION AND TREATMENT UNIT SIZING

ATTACHMENT I – TREATMENT PROCESS DESCRIPTION & TREATMENT UNIT SIZING

Treatment Process – Interim I Phase

The wastewater treatment plant for the Interim I phase will be an activated sludge process plant. The treatment process will follow the steps below. The number and size of each treatment unit is provided in the table on Page 2.

Activated Sludge Process: Bar-Screen (Headworks) → Aeration Basin → Clarifier → Effluent Filters → Chlorine Contact → Discharge Point

Sludge Process: Clarifier → Sludge Holding Basin (or RAS) → TCEQ Permitted Land Application Site/Landfill

Treatment Process – Interim II Phase

The wastewater treatment plant for the Interim II phase will be an activated sludge process plant. The treatment process will follow the steps below. The number and size of each treatment unit is provided in the table on Page 2.

Activated Sludge Process: Bar-Screen (Headworks) → Aeration Basin → Clarifier → Effluent Filters → Chlorine Contact → Discharge Point

Sludge Process: Clarifier → Sludge Holding Basin (or RAS) → TCEQ Permitted Land Application Site/Landfill

Treatment Process – Final Phase

The wastewater treatment plant for the Final phase will be an activated sludge process plant. The treatment process will follow the steps below. The number and size of each treatment unit is provided in the table on Page 2.

Activated Sludge Process: Bar-Screen (Headworks) → Aeration Basin → Clarifier → Effluent Filters → Chlorine Contact → Discharge Point

Sludge Process: Clarifier → Sludge Holding Basin (or RAS) → TCEQ Permitted Land Application Site/Landfill

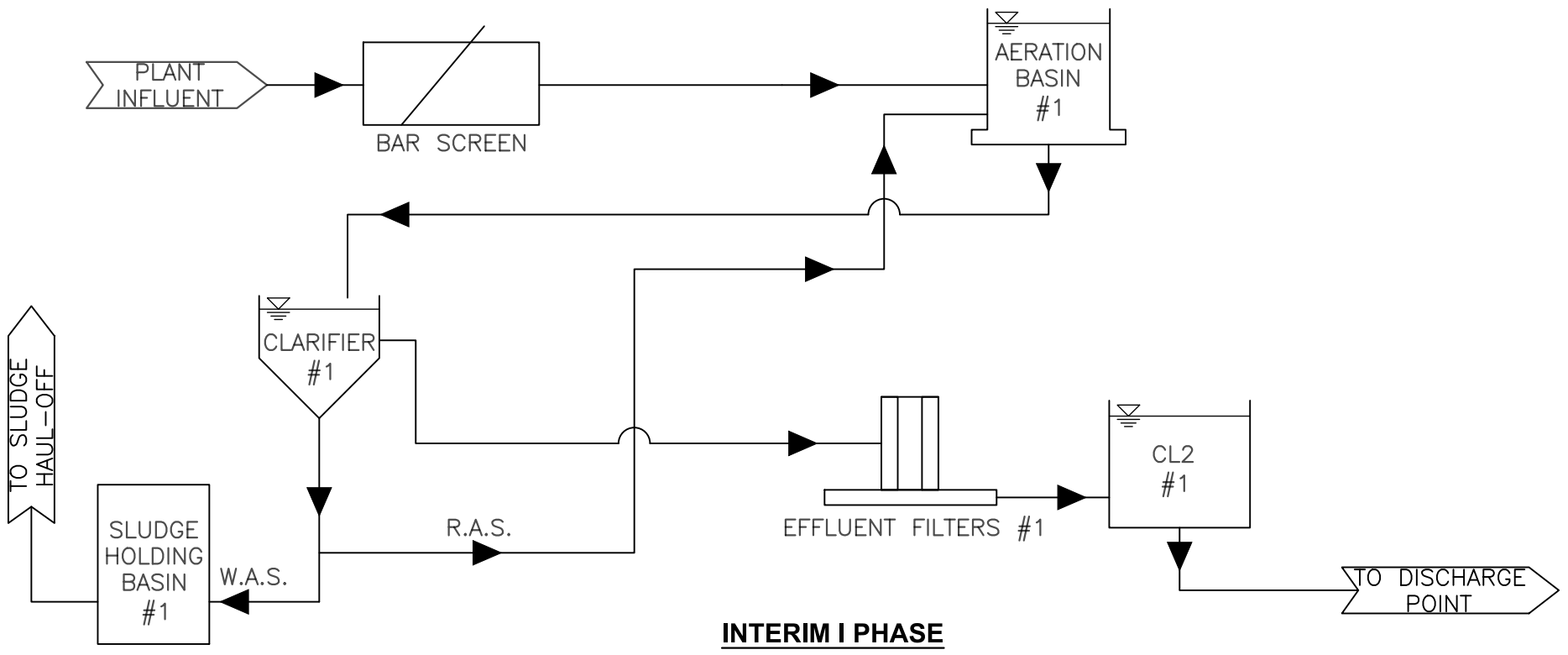
Proposed Treatment Unit Sizing Summary

Treatment Basin	No. of Basins Interim I Phase	No. of Basins Interim II Phase	No. of Basins Final Phase	Dimensions (all phases)	Anticipated SWD (ft)
Headworks	1	1	1	18’ x 10’	5’
Aeration	1	2	3	40’ x 15’	15’
Sludge Holding	1	2	3	30’ x 10’	14’
Clarifier	1	2	3	30’ Diameter	11’
Chlorine Contact	1	1	1	25’ x 12’	10.5’
Effluent Filter	1	1	1	25’ x 15’	8’

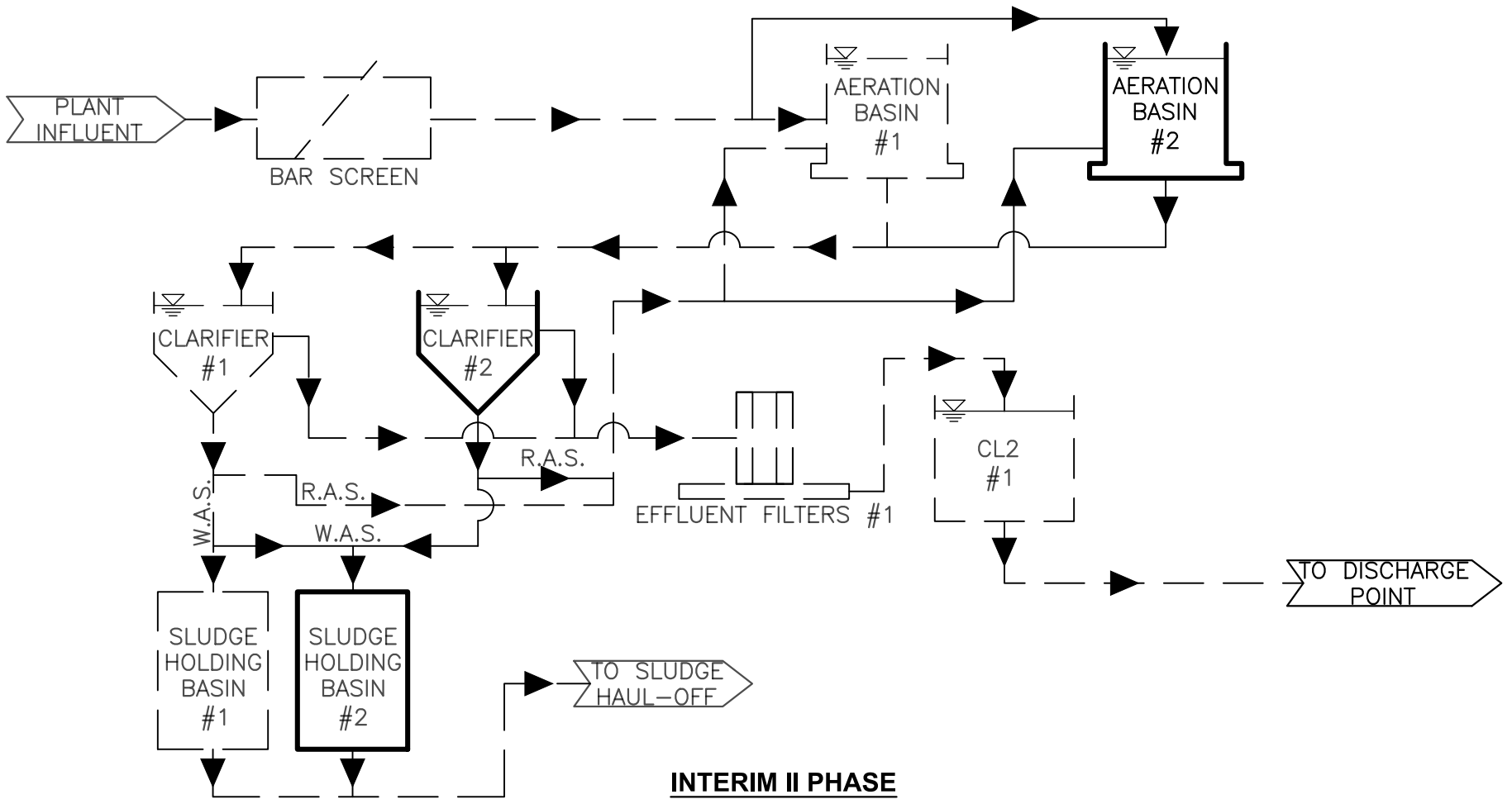
ATTACHMENT J

FLOW DIAGRAM

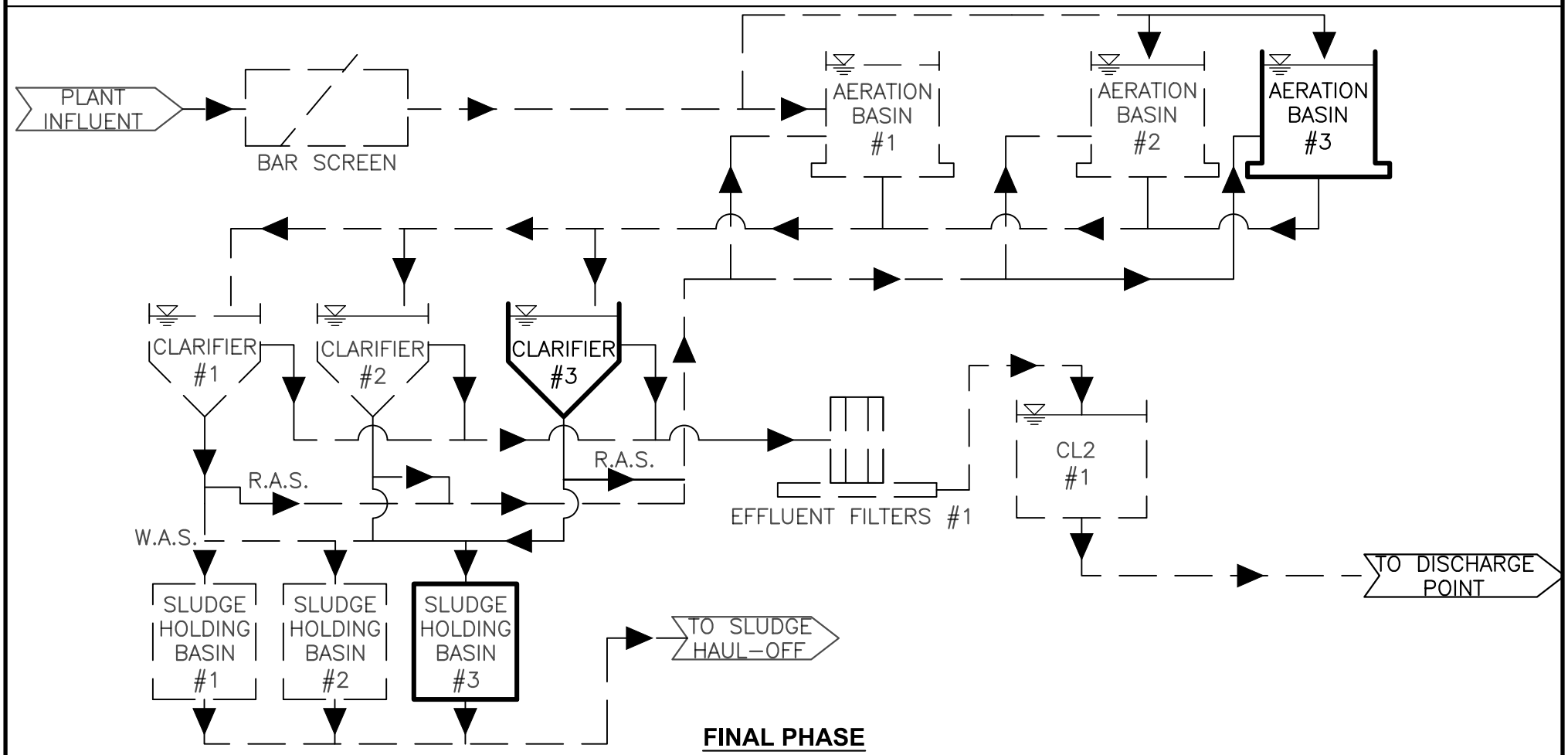
FILE: ATTACHMENT J – FLOW DIAGRAM.dwg TAB: ATTACHMENT I PLOTTED: 4/30/2025 10:34 AM BY: GLENN POPE



INTERIM I PHASE



INTERIM II PHASE



FINAL PHASE

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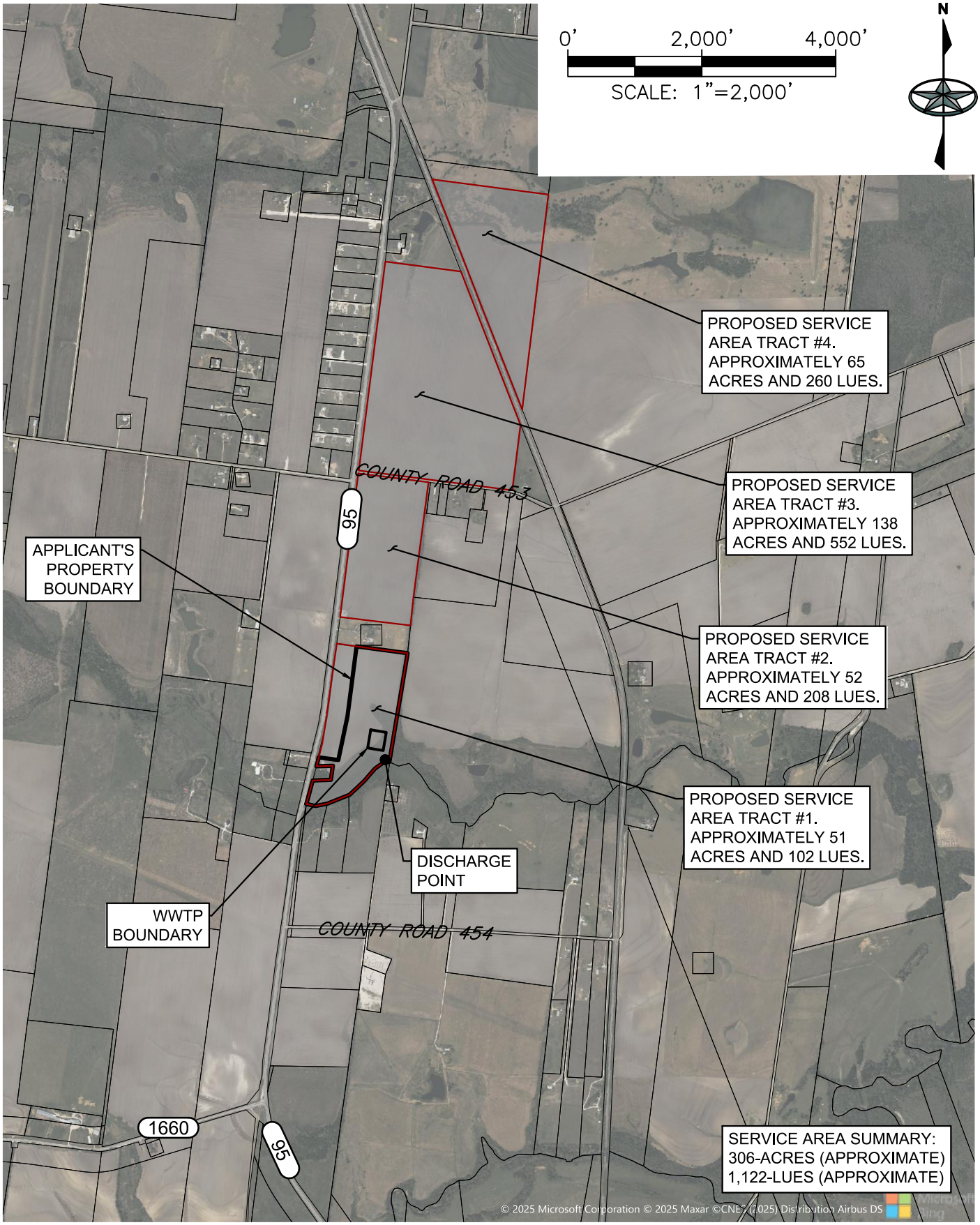
TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

ATTACHMENT J - FLOW DIAGRAM

ATTACHMENT K

SITE DRAWING



FILE: ATTACHMENT K – SITE DRAWING.dwg TAB: SITE PLOTTED: 4/30/2025 10:37 AM BY: GLENN POPE

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TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

ATTACHMENT K - SITE DRAWING

ATTACHMENT L

PRELIMINARY DESIGN CALCULATIONS

ATTACHMENT L - DESIGN CALCULATIONS
SUMMARY

PARAMETERS

Anticipated Influent Flows:

Average Daily Flow:	250	gpd/connection

Treatment Description:

Conventional activated sludge process mode to treat municipal wastewater.
System to include aeration, clarifier, tertiary filtration, chlorine contact, and sludge holding.

Design WWTP Influent Flows:

	Interim I	Interim II	Final
Average Daily (gpd):	100,000	200,000	300,000
Peak Daily (2-Hr Peak) (gpd):	400,000	800,000	1,200,000

Design Influent Loading:

BOD_5 (mg/l)=	300	300	300
TSS (mg/l)=	300	300	300
NH3N (mg/l)=	35	35	35
Total Nitrogen (mg/l)=	70	70	70
Total Phosphorus (mg/l)=	10	10	10

Design Effluent Water Quality Parameters:

BOD_5 (mg/l)=	5	5	5
TSS (mg/l)=	5	5	5
NH3N (mg/l)=	2	2	2
Chorine Residual (after 20 minutes) (mg/l)=	1	1	1
Dissolved Oxygen (mg/l)	4	4	4
Total Phosphorus (mg/l)	0.5	0.5	0.5

ATTACHMENT L - DESIGN CALCULATIONS
SUMMARY

PROPOSED FACILITIES

	Interim I	Interim II	Final
Process:			
Total Plant BOD5 Loading (lbs/day):	246.0	492.1	738.1
TSS Loading (lbs/day):	246.0	492.1	738.1
MLSS (mg/l):	3,000	3,000	3,000
Hydraulic Retention Time (days):	0.67	0.67	0.67
Aerobic Sludge Residence Time (days):	7.61	7.61	7.61
Food to Mass Ratio:	0.149	0.149	0.149
Sludge Yield (lbs/day):	221	443	664
Sludge Yield (gpd): (1.5%)	1,770	3,540	5,310
Aeration Basin:			
Max Organic Loading (lbs/day/1,000 cf):	35	35	35
Proposed Organic Loading (lbs/day/1,000 cf):	27.34	27.34	27.34
Minimum Required Volume for BOD (cf):	7,029	14,059	21,088
Minimum Required Volume for Nitrification (cf):	7,107	14,215	21,322
Proposed Volume (cf):	9,000	18,000	27,000

ATTACHMENT L - DESIGN CALCULATIONS
SUMMARY

	Interim I	Interim II	Final
Clarifier:			
Max Surface Loading at PDF (gpd/sf):	1,200	1,200	1,200
Proposed Surface Loading at PDF (gpd/sf):	582	582	582
Max Surface Loading at ADF (gpd/sf):	600	600	600
Proposed Surface Loading at ADF (gpd/sf):	146	146	146
Min Detention Time at PDF (hrs):	1.8	1.8	1.8
Proposed Detention Time at PDF (hrs):	3.39	3.39	3.39
Minimum Required Surface Area (sf):	333	667	1,000
Proposed Surface Area (sf):	687	1,374	2,062
Minimum Required Volume (cf):	4,010	8,021	12,031
Minimum Required Weir Length (ft):	20	40	60
Proposed Weir Length (ft):	141	282	423
Proposed Volume (cf):	7,559	15,119	22,678
Stilling Well Diameter (ft)	5	5	5
Stilling Well Velocity at PDF (ft/s)	0.032	0.063	0.095
Chlorine Contact Basin:			
Min Detention Time at PDF (min):	20	20	20
Detention Time Provided at PDF (min):	84.83	42.41	28.28
Minimum Required Volume (cf):	742.7	1,485.3	2,228.0
Proposed Volume (cf):	3,150.0	3,150.0	3,150.0
Sludge Holding Basin:			
Minimum Required Volume (cf):	3,549	7,098	10,648
Proposed Volume (cf):	4,200	8,400	12,600
Proposed Detention Time (days):	18	18	18
Air Supply:			
Min Air Supply - Aeration (scfm):	498	995	1,493
Min Air Supply - Digester (scfm):	106	213	319
Min Air Supply - Air Lift Pumps (scfm):	70	140	210
Min Total Air Supply (scfm):	674	1,348	2,022

ATTACHMENT L - DESIGN CALCULATIONS
SIZING CALCULATIONS

AERATION BASIN

	Interim I		Interim II		Final	
Minimum Volume Required:	7,107	cf	14,215	cf	21,322	cf
No. of Basins:	1		2		3	
Proposed SWD:	15	ft	15	ft	15	ft
Length (Ea. Basin):	40	sqft	40	sqft	40	sqft
Width (Ea. Basin):	15	sqft	15	sqft	15	sqft
Proposed Volume:	**9,000**	**cf**	**18,000**	**cf**	**27,000**	**cf**

SLUDGE HOLDING

	Interim I		Interim II		Final	
Minimum Volume Required:	3,549	cf	7,098	cf	10,648	cf
No. of Basins:	1		2		3	
Proposed SWD:	14	ft	14	ft	14	ft
Length (Ea. Basin):	30	sqft	30	sqft	30	sqft
Width (Ea. Basin):	10	sqft	10	sqft	10	sqft
Proposed Volume:	**4,200**	**cf**	**8,400**	**cf**	**12,600**	**cf**

ATTACHMENT L - DESIGN CALCULATIONS
SIZING CALCULATIONS

CLARIFIER

	Interim I	Interim II	Final
Minimum Surface Area Required:	333 sf	667 sf	1,000 sf
Minimum Volume Required:	4,010 cf	8,021 cf	12,031 cf
Minimum Weir Length Required:	20 ft	40 ft	60 ft
No. of Clarifiers:	1	2	3
Proposed SWD:	11 ft	11 ft	11 ft
Proposed Diameter:	30	30	30
Proposed Stilling Well Diameter:	5 ft	5 ft	5 ft
Proposed Weir Length:	141 ft	282 ft	423 ft
Proposed Area:	**687 sf**	**1,374 sf**	**2,062 sf**
Proposed Volume:	**7,559 cf**	**15,119 cf**	**22,678 cf**

CHLORINE CONTACT

	Interim I	Interim II	Final
Minimum Volume Required:	742.7 cf	1,485.3 cf	2,228.0 cf
No. of Basins	1	1	1
Proposed SWD:	10.5 ft	10.5 ft	10.5 ft
Length (Ea. Basin):	25 ft	25 ft	25 ft
Width (Ea. Basin):	12 ft	12 ft	12 ft
Total Volume:	3,150.00 cf	3,150.00 cf	3,150.00 cf
Proposed Volume:	**3,150.00 cf**	**3,150.00 cf**	**3,150.00 cf**

ATTACHMENT L - DESIGN CALCULATIONS
INTERIM I PHASE

PARAMETERS

Influent:			*Effluent:*		
Q =	100,000	GPD	S =	5	mg/l, BOD_{5eff}
Qp_1 =	400,000	GPD to Headworks	TSSeff =	5	mg/l
Qp_2 =	400,000	GPD downstream of Infl EQ (N/A)	NH_3N =	2	mg/l
So =	300	mg/l, BOD_5infl	Chlorine Residual =	1	mg/l @ 20 min det
TSSinf =	300	mg/l	P =	0.5	mg/l
Chemical Oxygen Demand (COD) =	545	mg/l .3-.8 (BOD/COD), used 0.55			
TKN =	70	mg/l			
NH_3N =	35	mg/l			
Organic $N_{14° C}$ =	35	mg/l			
Winter Temp. Min. =	15	°C			
Summer Temp. Max. =	29	°C			
MLSS =	3,000	mg/l, conc. Of suspended solids in aeration tank			
MLVSS =	70	% of MLSS			
MLVSS (X) =	2100	mg/l, conc. Of volatile suspended solids in aeration tank			

COEFFICIENTS

θc =	30	days, mean cell residence time
Y =	0.4	maximum yield coefficient, range: 0.3 - 0.5 (Metcalf & Eddy Table 8-10)
Y_n =	0.12	g VSS / g NH4-N, range: 0.1 - 0.15 (Metcalf & Eddy Table 8-11)
K_o =	0.5	g / m^3, range: 0.40 - 0.60 (Metcalf & Eddy Table 8-11)
k_d =	0.12	day^-1, endogenous decay coefficient, range: 0.06 - 0.2 (Metcalf & Eddy Table 8-10
k_d =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-10)
$k_{d,\ 14°C}$ =	0.099	g/g*d
K_{dn} =	0.080	g VSS / g VSS*d, range: 0.05 - 0.15 (Metcalf & Eddy Table 8-10)
K_{dn} =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-11)
$K_{dn,\ 14°C}$ =	0.066	g/g*d
K_n =	0.740	g NH4-N / m^3, range: 0.5 - 1.0 (Metcalf & Eddy Table 8-11)
K_n =	1.053	unitless, range: 1.03 - 1.123 (Metcalf & Eddy Table 8-11)
$K_{n,\ 14°C}$ =	0.572	g / m^3
μ_{mn} =	0.750	g VSS / g VSS*d, range: 0.20 - 0.90 (Metcalf & Eddy Table 8-11)
μ_n =	1.070	unitless, range: 1.06 - 1.123 (Metcalf & Eddy Table 8-11)
$\mu_{m,\ 14°C}$ =	0.535	g /g*d
f_d =	0.150	unitless, range: 0.08 - 0.2 (Metcalf & Eddy Table 8-10)

DESIGN CALCULATIONS

A. BOD_5 Loading

$$F = \frac{8.34 \times Q \times (S_o - S)}{10^6}$$

F = **246.0** lb BOD_5 /day

B. TSS Loading

$$TSS = \frac{8.34 \times Q \times (TSS_{\text{inf}} - TSS_{eff})}{10^6}$$

TSS = **246.0** lb TSS /day

C. Micro-organism Mass in Aeration Basin

$$M_v = F \times \frac{\theta_c \times Y}{1 + (k_d \times \theta_c)}$$

Mv = **642** lb

D. Aeration Volume

$$V = \frac{Q \times \theta_c}{X} \times \frac{Y \times (S_o - S)}{1 + (k_d \times \theta_c)}$$

Min Volume (gal): 36,645.96
Min Volume (cf): 4,899

TCEQ Max. Organic Loading: 35 lbs BOD5/day/1000 cf (TCEQ Chap. 217.154: Conventional with Nitrification, Temps > 15°C)

Min Volume (cf): 7,029

Min Volume (cf): 7,029 For BOD Reduction

ATTACHMENT L - DESIGN CALCULATIONS
INTERIM I PHASE

E. Nitrification

pH:	7.2		
DO (mg/L):	2.0	Dissolved Oxygen	
Ko:	0.5	Half-Saturation coefficient for DO (Metcalf & Eddy Table 8-11)	
Temp (°C):	15.0		
Effluent NH3 (mg/L):	2.0		
Temperature Term, Tt:	1.00		Tt=e^(0.098*(T-15))
DO Term, DOt:	0.80		DOt=DO/(Ko+DO)
pH Term, pHt:	1.00		pHt=1-0.833*(7.2-pH)
Kn:	0.40	Half-Saturation coefficient for oxidation of ammonia	Kn=10^(0.051*T-1.158)
NH3 Term, NH3t:	0.83		NH3t=NH3/(Kn+NH3)
Nitrifier Growth Rate (days^-1):	0.33		Growth Rate=0.5*Tt*pHt*DOt*NH3t
Aerobic SRT Required (days):	3.01		SRT=1/Nitrifier Growth Rate
Safety Factor:	2.0	Typical Range: 1.5 - 2.5	
Min Required Aerobic SRT (days):	**6.0**		
Minimum Aerobic Volume (cf):	**7,107.4**	**For Nitrification**	

F. Sludge Yield

	0.9	lbs Sludge / lb BOD
Sludge Yield:	221	lbs/day
Assume Percent Solids =	1.5	%
Q_{sludge} =	**1,770**	**gal/day**

G. Clarifier

Max Surface Loading:	1,200	gpd/sf at Peak Flow	(TCEQ Chap. 217.154: Activated Sludge, Secondary with Nitrification)
Max Surface Loading:	600	gpd/sf at Design Flow	
Min Detention Time:	1.8	hrs at Peak Flow	
Max Weir Loading:	20,000	gpd/lf at Peak Flow	
Minimum Surface Area:	**333**	**sf**	
Minimum Volume:	**30,000**	**gallons =**	**4010.4 cf**
Minimum Weir Length:	**20**	**lf**	

H. Return Activated Sludge

Minimum Rate:	**50%**	**of Design Flow =**	**34.7**	**gpm**	
Maximum Rate:	**100%**	**of Design Flow =**	**69.4**	**gpm**	
Provide:	**2**	**6" Air Lift Pumps or**	**1**	**8" Air Lift Pumps**	(If Air Lift Pumps Utilized)

I. Sludge Holding Basin

Max Loading:	200	lbs volatile solids per day / 1,000 cf (TCEQ Chap. 217.249.j.5)	
Sludge Yield (lbs/day):	221		
Volatile Portion:	70%		
Min Basin Volume (cf):	775		
Minimum Detention Time:	15	days (TCEQ Chap. 217.249.j.4)	
Sludge Yield (gpd):	1,770		
Min Basin Volume (cf):	3,549		2129400
Min Required Basin Volume (cf):	**3,549.2**		

J. Chlorine Contact Basin

Minimum Detention Time:	20	minutes at Peak Flow	
Minimum Volume:	**5,555.56**	**gallons =**	**742.7 cf**

ATTACHMENT L - DESIGN CALCULATIONS
INTERIM I PHASE

K. Aeration

1. Aeration Basins

Minimum oxygen requirement = 3,200 scf per lb BOD_5 per day @ 12' submergence and 20 deg C

Diffuser Submergence Depth (ft)	Airflow Correction Factor
8	1.82
10	1.56
12	1.00
15	0.91
18	0.73
20	0.64

Diffuser Submergence Depth = 15 ft
Correction Factor = 0.91

Minimum oxygen requirement = 498 scfm @ 20 deg C

2. Digester

Oxygen Requirement = 30 scfm per 1,000 ft^3

Minimum oxygen requirement = 106 scfm

3. Air Lift Pumps

Minimum air requirement = 70 scfm

4. Total

Total Air Flow Requirement = 674 scfm

L. Fine Screen

Bar Spacing: 0.25 in
Average Flow Rate: 0.1 MGD
Approximate Volume of Screenings: 13 cf/MG

Anticipated Volume of Screenings: 1.3 cf per day 0.34 CY Per Week

COARSE SCREEN (BYPASS/OVERFLOW BAR SCREEN)

Influent Flow Rate

Average Influent Flow Rate:	0.10	MGD	=	69	gpm	=	0.155	cfs
Peak Influent Flow Rate:	0.40	MGD	=	278	gpm	=	0.619	cfs

Channel Geometry

Channel Width: 1.50 ft
Design Channel Flow Depth: 0.3 ft
Max. Channel Depth: 1.0 ft

Bar Rack Geometry

Bar Size: 0.875 in
Clear Space Between Bars: 0.500 in
Incline Angle: 45 degrees

No. of Bars in Rack: 14
Clear Space: 0.4791667 sf per ft of channel depth

Headloss thru Bar Screen

Channel Area (Avg): 0.4 sf
Channel Area (Max): 1.5 sf
Approach Velocity (Avg): 0.413 fps (using design channel depth)
Approach Velocity (Peak): 0.413 fps (using max. channel depth)

Bar Screen Area (Avg): 0.12 sf
Bar Screen Area (Max): 0.48 sf
Velocity Through Bars (Avg): ***1.29*** fps (using design channel depth)
Velocity Through Bars (Max): ***1.29*** fps (using max. channel depth)

$$HeadLoss = \frac{V^2 - v^2}{0.7 \times 2 \times g}$$

V= Velocity of flow through openings in rack
v= Approach velocity
g= Acceleration of gravity, 32.2

Assuming No Clogging:			*Assuming Clogging:*		
			Clogging Factor:	0.500	
Head Loss (Design):	0.0332	ft	Head Loss (Design):	0.133	ft
Head Loss (Max):	0.0332	ft	Head Loss (Max):	0.133	ft

ATTACHMENT L - DESIGN CALCULATIONS
INTERIM II PHASE

PARAMETERS

Influent:			*Effluent:*		
Q =	200,000	GPD	S =	5	mg/l, BOD_{5eff}
Qp_1 =	800,000	GPD to Headworks	TSSeff =	5	mg/l
Qp_2 =	800,000	GPD downstream of Infl EQ (N/A)	NH_3N =	2	mg/l
So =	300	mg/l, BOD_5infl	Chlorine Residual =	1	mg/l @ 20 min det
TSSinf =	300	mg/l	P =	0.5	mg/l
Chemical Oxygen Demand (COD) =	545	mg/l .3-.8 (BOD/COD), used 0.55			
TKN =	70	mg/l			
NH_3N =	35	mg/l			
Organic $N_{14° C}$ =	35	mg/l			
Winter Temp. Min. =	15	°C			
Summer Temp. Max. =	29	°C			
MLSS =	3,000	mg/l, conc. Of suspended solids in aeration tank			
MLVSS =	70	% of MLSS			
MLVSS (X) =	2100	mg/l, conc. Of volatile suspended solids in aeration tank			

COEFFICIENTS

θc =	30	days, mean cell residence time
Y =	0.4	maximum yield coefficient, range: 0.3 - 0.5 (Metcalf & Eddy Table 8-10)
Y_n =	0.12	g VSS / g NH4-N, range: 0.1 - 0.15 (Metcalf & Eddy Table 8-11)
K_o =	0.5	g / m^3, range: 0.40 - 0.60 (Metcalf & Eddy Table 8-11)
k_d =	0.12	day^-1, endogenous decay coefficient, range: 0.06 - 0.2 (Metcalf & Eddy Table 8-10
k_d =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-10)
$k_{d,\ 14°C}$ =	0.099	g/g*d
K_{dn} =	0.080	g VSS / g VSS*d, range: 0.05 - 0.15 (Metcalf & Eddy Table 8-10)
K_{dn} =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-11)
$K_{dn,\ 14°C}$ =	0.066	g/g*d
K_n =	0.740	g NH4-N / m^3, range: 0.5 - 1.0 (Metcalf & Eddy Table 8-11)
K_n =	1.053	unitless, range: 1.03 - 1.123 (Metcalf & Eddy Table 8-11)
$K_{n,\ 14°C}$ =	0.572	g / m^3
μ_{mn} =	0.750	g VSS / g VSS*d, range: 0.20 - 0.90 (Metcalf & Eddy Table 8-11)
μ_n =	1.070	unitless, range: 1.06 - 1.123 (Metcalf & Eddy Table 8-11)
$\mu_{m,\ 14°C}$ =	0.535	g /g*d
f_d =	0.150	unitless, range: 0.08 - 0.2 (Metcalf & Eddy Table 8-10)

DESIGN CALCULATIONS

A. BOD_5 Loading

$$F = \frac{8.34 \times Q \times (S_o - S)}{10^6}$$

F = **492.1** lb BOD_5 /day

B. TSS Loading

$$TSS = \frac{8.34 \times Q \times (TSS_{\text{inf}} - TSS_{eff})}{10^6}$$

TSS = **492.1** lb TSS /day

C. Micro-organism Mass in Aeration Basin

$$M_v = F \times \frac{\theta_c \times Y}{1 + (k_d \times \theta_c)}$$

Mv = **1284** lb

D. Aeration Volume

$$V = \frac{Q \times \theta_c}{X} \times \frac{Y \times (S_o - S)}{1 + (k_d \times \theta_c)}$$

Min Volume (gal): 73,291.93
Min Volume (cf): 9,798

TCEQ Max. Organic Loading: 35 lbs BOD5/day/1000 cf (TCEQ Chap. 217.154: Conventional with Nitrification, Temps > 15°C)

Min Volume (cf): 14,059

Min Volume (cf): 14,059 For BOD Reduction

ATTACHMENT L - DESIGN CALCULATIONS
INTERIM II PHASE

E. Nitrification

pH:	7.2		
DO (mg/L):	2.0	Dissolved Oxygen	
Ko:	0.5	Half-Saturation coefficient for DO (Metcalf & Eddy Table 8-11)	
Temp (°C):	15.0		
Effluent NH3 (mg/L):	2.0		
Temperature Term, Tt:	1.00		Tt=e^(0.098*(T-15))
DO Term, DOt:	0.80		DOt=DO/(Ko+DO)
pH Term, pHt:	1.00		pHt=1-0.833*(7.2-pH)
Kn:	0.40	Half-Saturation coefficient for oxidation of ammonia	Kn=10^(0.051*T-1.158)
NH3 Term, NH3t:	0.83		NH3t=NH3/(Kn+NH3)
Nitrifier Growth Rate (days^-1):	0.33		Growth Rate=0.5*Tt*pHt*DOt*NH3t
Aerobic SRT Required (days):	3.01		SRT=1/Nitrifier Growth Rate
Safety Factor:	2.0	Typical Range: 1.5 - 2.5	
Min Required Aerobic SRT (days):	**6.0**		
Minimum Aerobic Volume (cf):	**14,214.7**	**For Nitrification**	

F. Sludge Yield

	0.9	lbs Sludge / lb BOD
Sludge Yield:	443	lbs/day
Assume Percent Solids =	1.5	%
Q_{sludge} =	**3,540**	**gal/day**

G. Clarifier

Max Surface Loading:	1,200	gpd/sf at Peak Flow	(TCEQ Chap. 217.154: Activated Sludge, Secondary with Nitrification)
Max Surface Loading:	600	gpd/sf at Design Flow	
Min Detention Time:	1.8	hrs at Peak Flow	
Max Weir Loading:	20,000	gpd/lf at Peak Flow	
Minimum Surface Area:	**667**	**sf**	
Minimum Volume:	**60,000**	**gallons =**	**8020.9 cf**
Minimum Weir Length:	**40**	**lf**	

H. Return Activated Sludge

Minimum Rate:	**50%**	**of Design Flow =**	**69.4**	**gpm**	
Maximum Rate:	**100%**	**of Design Flow =**	**138.9**	**gpm**	
Provide:	**4**	**6" Air Lift Pumps or**	**2**	**8" Air Lift Pumps**	(If Air Lift Pumps Utilized)

I. Sludge Holding Basin

Max Loading:	200	lbs volatile solids per day / 1,000 cf (TCEQ Chap. 217.249.j.5)
Sludge Yield (lbs/day):	443	
Volatile Portion:	70%	
Min Basin Volume (cf):	1,550	
Minimum Detention Time:	15	days (TCEQ Chap. 217.249.j.4)
Sludge Yield (gpd):	3,540	
Min Basin Volume (cf):	7,098	
Min Required Basin Volume (cf):	**7,098.5**	

J. Chlorine Contact Basin

Minimum Detention Time:	20	minutes at Peak Flow		
Minimum Volume:	**11,111.11**	**gallons =**	**1,485.3**	**cf**

ATTACHMENT L - DESIGN CALCULATIONS
INTERIM II PHASE

K. Aeration

1. Aeration Basins

Minimum oxygen requirement = 3,200 scf per lb BOD_5 per day @ 12' submergence and 20 deg C

Diffuser Submergence Depth (ft)	Airflow Correction Factor
8	1.82
10	1.56
12	1.00
15	0.91
18	0.73
20	0.64

Diffuser Submergence Depth = 15 ft
Correction Factor = 0.91

Minimum oxygen requirement = 995 scfm @ 20 deg C

2. Digester

Oxygen Requirement = 30 scfm per 1,000 ft^3

Minimum oxygen requirement = 213 scfm

3. Air Lift Pumps

Minimum air requirement = 140 scfm

4. Total

Total Air Flow Requirement = 1,348 scfm

L. Fine Screen

Bar Spacing: 0.25 in
Average Flow Rate: 0.2 MGD
Approximate Volume of Screenings: 13 cf/MG

Anticipated Volume of Screenings: 2.6 cf per day 0.67 CY Per Week

COARSE SCREEN (BYPASS/OVERFLOW BAR SCREEN)

Influent Flow Rate

Average Influent Flow Rate:	0.20	MGD	=	139	gpm	=	0.309	cfs
Peak Influent Flow Rate:	0.80	MGD	=	556	gpm	=	1.238	cfs

Channel Geometry

Channel Width: 1.50 ft
Design Channel Flow Depth: 0.6 ft
Max. Channel Depth: 2.0 ft

Bar Rack Geometry

Bar Size: 0.875 in
Clear Space Between Bars: 0.500 in
Incline Angle: 45 degrees

No. of Bars in Rack: 14
Clear Space: 0.4791667 sf per ft of channel depth

Headloss thru Bar Screen

Channel Area (Avg): 0.9 sf
Channel Area (Max): 3.0 sf
Approach Velocity (Avg): 0.344 fps (using design channel depth)
Approach Velocity (Peak): 0.413 fps (using max. channel depth)

Bar Screen Area (Avg): 0.29 sf
Bar Screen Area (Max): 0.96 sf
Velocity Through Bars (Avg): ***1.08*** fps (using design channel depth)
Velocity Through Bars (Max): ***1.29*** fps (using max. channel depth)

$$HeadLoss = \frac{V^2 - v^2}{0.7 \times 2 \times g}$$

V= Velocity of flow through openings in rack
v= Approach velocity
g= Acceleration of gravity, 32.2

Assuming No Clogging:			*Assuming Clogging:*		
			Clogging Factor:	0.500	
Head Loss (Design):	0.0231	ft	Head Loss (Design):	0.092	ft
Head Loss (Max):	0.0332	ft	Head Loss (Max):	0.133	ft

ATTACHMENT L - DESIGN CALCULATIONS
FINAL PHASE

PARAMETERS

Influent:			*Effluent:*		
Q =	300,000	GPD	S =	5	mg/l, BOD_{5eff}
Qp_1 =	1,200,000	GPD to Headworks	TSSeff =	5	mg/l
Qp_2 =	1,200,000	GPD downstream of Infl EQ (N/A)	NH_3N =	2	mg/l
So =	300	mg/l, BOD_5infl	Chlorine Residual =	1	mg/l @ 20 min det
TSSinf =	300	mg/l	P =	0.5	mg/l
Chemical Oxygen Demand (COD) =	545	mg/l	.3-.8 (BOD/COD), used 0.55		
TKN =	70	mg/l			
NH_3N =	35	mg/l			
Organic $N_{14° C}$ =	35	mg/l			
Winter Temp. Min. =	15	°C			
Summer Temp. Max. =	29	°C			
MLSS =	3,000	mg/l, conc. Of suspended solids in aeration tank			
MLVSS =	70	% of MLSS			
MLVSS (X) =	2100	mg/l, conc. Of volatile suspended solids in aeration tank			

COEFFICIENTS

θc =	30	days, mean cell residence time
Y =	0.4	maximum yield coefficient, range: 0.3 - 0.5 (Metcalf & Eddy Table 8-10)
Y_n =	0.12	g VSS / g NH4-N, range: 0.1 - 0.15 (Metcalf & Eddy Table 8-11)
K_o =	0.5	g / m^3, range: 0.40 - 0.60 (Metcalf & Eddy Table 8-11)
k_d =	0.12	day^-1, endogenous decay coefficient, range: 0.06 - 0.2 (Metcalf & Eddy Table 8-10)
k_d =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-10)
$k_{d,\ 14°C}$ =	0.099	g/g*d
K_{dn} =	0.080	g VSS / g VSS*d, range: 0.05 - 0.15 (Metcalf & Eddy Table 8-10)
K_{dn} =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-11)
$K_{dn,\ 14°C}$ =	0.066	g/g*d
K_n =	0.740	g NH4-N / m^3, range: 0.5 - 1.0 (Metcalf & Eddy Table 8-11)
K_n =	1.053	unitless, range: 1.03 - 1.123 (Metcalf & Eddy Table 8-11)
$K_{n,\ 14°}C$ =	0.572	g / m^3
μ_{mn} =	0.750	g VSS / g VSS*d, range: 0.20 - 0.90 (Metcalf & Eddy Table 8-11)
μ_n =	1.070	unitless, range: 1.06 - 1.123 (Metcalf & Eddy Table 8-11)
$\mu_{m,\ 14°C}$ =	0.535	g /g*d
f_d =	0.150	unitless, range: 0.08 - 0.2 (Metcalf & Eddy Table 8-10)

DESIGN CALCULATIONS

A. BOD_5 Loading

$$F = \frac{8.34 \times Q \times (S_o - S)}{10^6}$$

F = **738.1** lb BOD_5 /day

B. TSS Loading

$$TSS = \frac{8.34 \times Q \times (TSS_{\text{inf}} - TSS_{eff})}{10^6}$$

TSS = **738.1** lb TSS /day

C. Micro-organism Mass in Aeration Basin

$$M_v = F \times \frac{\theta_c \times Y}{1 + (k_d \times \theta_c)}$$

Mv = **1925** lb

D. Aeration Volume

$$V = \frac{Q \times \theta_c}{X} \times \frac{Y \times (S_o - S)}{1 + (k_d \times \theta_c)}$$

Min Volume (gal): 109,937.89
Min Volume (cf): 14,697

TCEQ Max. Organic Loading: 35 lbs BOD5/day/1000 cf (TCEQ Chap. 217.154: Conventional with Nitrification, Temps > 15°C)

Min Volume (cf): 21,088

Min Volume (cf): 21,088 For BOD Reduction

ATTACHMENT L - DESIGN CALCULATIONS
FINAL PHASE

E. Nitrification

pH:	7.2		
DO (mg/L):	2.0	Dissolved Oxygen	
Ko:	0.5	Half-Saturation coefficient for DO (Metcalf & Eddy Table 8-11)	
Temp (°C):	15.0		
Effluent NH3 (mg/L):	2.0		
Temperature Term, Tt:	1.00		Tt=e^(0.098*(T-15))
DO Term, DOt:	0.80		DOt=DO/(Ko+DO)
pH Term, pHt:	1.00		pHt=1-0.833*(7.2-pH)
Kn:	0.40	Half-Saturation coefficient for oxidation of ammonia	Kn=10^(0.051*T-1.158)
NH3 Term, NH3t:	0.83		NH3t=NH3/(Kn+NH3)
Nitrifier Growth Rate (days^-1):	0.33		Growth Rate=0.5*Tt*pHt*DOt*NH3t
Aerobic SRT Required (days):	3.01		SRT=1/Nitrifier Growth Rate
Safety Factor:	2.0	Typical Range: 1.5 - 2.5	
Min Required Aerobic SRT (days):	**6.0**		
Minimum Aerobic Volume (cf):	**21,322.1**	**For Nitrification**	

F. Sludge Yield

	0.9	lbs Sludge / lb BOD
Sludge Yield:	664	lbs/day
Assume Percent Solids =	1.5	%
Q_{sludge} =	**5,310**	**gal/day**

G. Clarifier

Max Surface Loading:	1,200	gpd/sf at Peak Flow	(TCEQ Chap. 217.154: Activated Sludge, Secondary with Nitrification)
Max Surface Loading:	600	gpd/sf at Design Flow	
Min Detention Time:	1.8	hrs at Peak Flow	
Max Weir Loading:	20,000	gpd/lf at Peak Flow	
Minimum Surface Area:	**1,000**	**sf**	
Minimum Volume:	**90,000**	**gallons =**	**12031.3 cf**
Minimum Weir Length:	**60**	**lf**	

H. Return Activated Sludge

Minimum Rate:	**50%**	**of Design Flow =**	**104.2**	**gpm**	
Maximum Rate:	**100%**	**of Design Flow =**	**208.3**	**gpm**	
Provide:	**6**	**6" Air Lift Pumps or**	**3**	**8" Air Lift Pumps**	(If Air Lift Pumps Utilized)

I. Sludge Holding Basin

Max Loading:	200	lbs volatile solids per day / 1,000 cf (TCEQ Chap. 217.249.j.5)
Sludge Yield (lbs/day):	664	
Volatile Portion:	70%	
Min Basin Volume (cf):	2,325	
Minimum Detention Time:	15	days (TCEQ Chap. 217.249.j.4)
Sludge Yield (gpd):	5,310	
Min Basin Volume (cf):	10,648	
Min Required Basin Volume (cf):	**10,647.7**	

J. Chlorine Contact Basin

Minimum Detention Time:	20	minutes at Peak Flow		
Minimum Volume:	**16,666.67**	**gallons =**	**2,228.0**	**cf**

ATTACHMENT L - DESIGN CALCULATIONS
FINAL PHASE

K. Aeration

1. Aeration Basins

Minimum oxygen requirement = 3,200 scf per lb BOD_5 per day @ 12' submergence and 20 deg C

Diffuser Submergence Depth (ft)	Airflow Correction Factor
8	1.82
10	1.56
12	1.00
15	0.91
18	0.73
20	0.64

Diffuser Submergence Depth = 15 ft
Correction Factor = 0.91

Minimum oxygen requirement = 1,493 scfm @ 20 deg C

2. Digester

Oxygen Requirement = 30 scfm per 1,000 ft^3

Minimum oxygen requirement = 319 scfm

3. Air Lift Pumps

Minimum air requirement = 210 scfm

4. Total

Total Air Flow Requirement = 2,022 scfm

L. Fine Screen

Bar Spacing: 0.25 in
Average Flow Rate: 0.3 MGD
Approximate Volume of Screenings: 13 cf/MG

Anticipated Volume of Screenings: 3.9 cf per day 1.01 CY Per Week

COARSE SCREEN (BYPASS/OVERFLOW BAR SCREEN)

Influent Flow Rate

Average Influent Flow Rate:	0.30	MGD	=	208	gpm	=	0.464	cfs
Peak Influent Flow Rate:	1.20	MGD	=	833	gpm	=	1.857	cfs

Channel Geometry

Channel Width: 1.50 ft
Design Channel Flow Depth: 0.9 ft
Max. Channel Depth: 2.0 ft

Bar Rack Geometry

Bar Size: 0.875 in
Clear Space Between Bars: 0.500 in
Incline Angle: 45 degrees

No. of Bars in Rack: 14
Clear Space: 0.4791667 sf per ft of channel depth

Headloss thru Bar Screen

Channel Area (Avg): 1.4 sf
Channel Area (Max): 3.0 sf
Approach Velocity (Avg): 0.344 fps (using design channel depth)
Approach Velocity (Peak): 0.619 fps (using max. channel depth)

Bar Screen Area (Avg): 0.43 sf
Bar Screen Area (Max): 0.96 sf
Velocity Through Bars (Avg): ***1.08*** fps (using design channel depth)
Velocity Through Bars (Max): ***1.94*** fps (using max. channel depth)

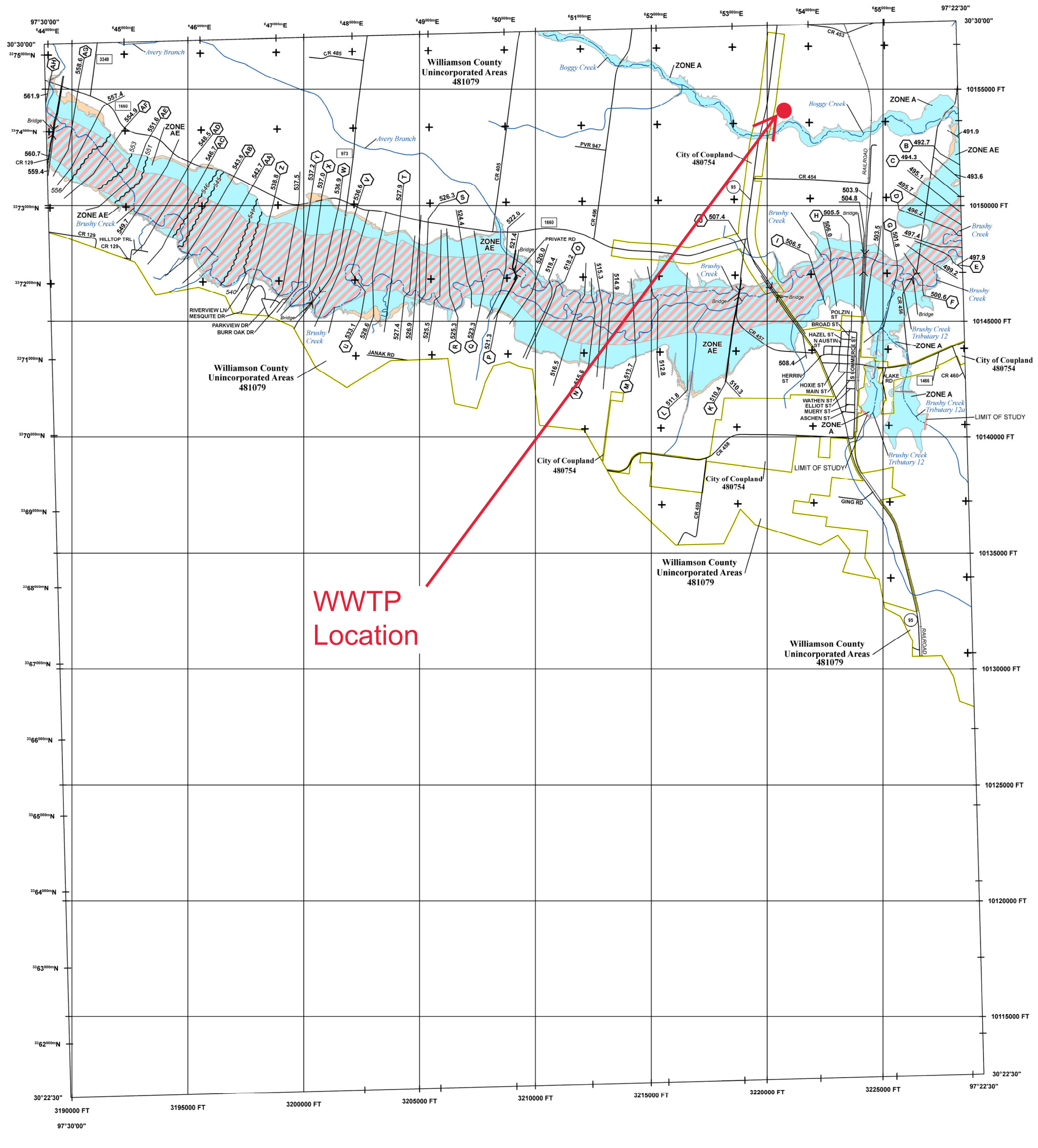
$$HeadLoss = \frac{V^2 - v^2}{0.7 \times 2 \times g}$$

V= Velocity of flow through openings in rack
v= Approach velocity
g= Acceleration of gravity, 32.2

Assuming No Clogging:			*Assuming Clogging:*		
			Clogging Factor:	0.500	
Head Loss (Design):	0.0231	ft	Head Loss (Design):	0.092	ft
Head Loss (Max):	0.0748	ft	Head Loss (Max):	0.299	ft

ATTACHMENT M

FEMA FIRM MAP



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT HTTPS://MSC.FEMA.GOV

SPECIAL FLOOD HAZARD AREAS	Without Base Flood Elevation (BFE) *Zone A, V, A99*
	With BFE or Depth *Zone AE, AO, AH, VE, AR*
	Regulatory Floodway
	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
	Future Conditions 1% Annual Chance Flood Hazard *Zone X*
OTHER AREAS OF FLOOD HAZARD	Area with Reduced Flood Risk due to Levee See Notes *Zone X*
OTHER AREAS	NO SCREEN Areas of Minimal Flood Hazard *Zone X*
	Area of Undetermined Flood Hazard *Zone D*
GENERAL STRUCTURES	Channel, Culvert or Storm Sewer
	Levee, Dike or Floodwall
	18.2 Cross Sections with 1% Annual Chance
	17.5 Water Surface Elevation (BFE)
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	513 Base Flood Elevation Line (BFE)
OTHER FEATURES	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products, or the National Flood Insurance Program (NFIP) in general, please call the FEMA Map Information eXchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at https://msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study Report for this jurisdiction.

To determine if flood insurance is available in this community, contact your Insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was derived from digital data obtained from Texas Natural Resource Information Systems (TNRIS), dated 2000; United States Census Bureau, dated 2015; United States Geological Survey, dated 2005; and the Williamson County Geographic Information Systems (GIS) Department, dated 2014 and 2017.

SCALE

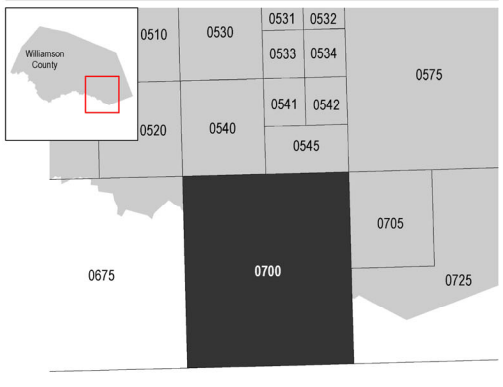
Map Projection:
Texas State Plane Central (FIPS ZONE 4203); North American Datum 1983; Western Hemisphere; Vertical Datum: NAVD 88

1 inch = 2,000 feet 1:24,000

0 2,000 4,000 8,000 feet

0 500 1,000 2,000 meters

PANEL LOCATOR



FEMA National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM

FLOOD INSURANCE RATE MAP

WILLIAMSON COUNTY, TEXAS

and Incorporated Areas

PANEL 700 OF 750

FEMA

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
COUPLAND, CITY OF	480754	0700	F
WILLIAMSON COUNTY	481079	0700	F

VERSION NUMBER
2.3.3.3

MAP NUMBER
48491C0700F

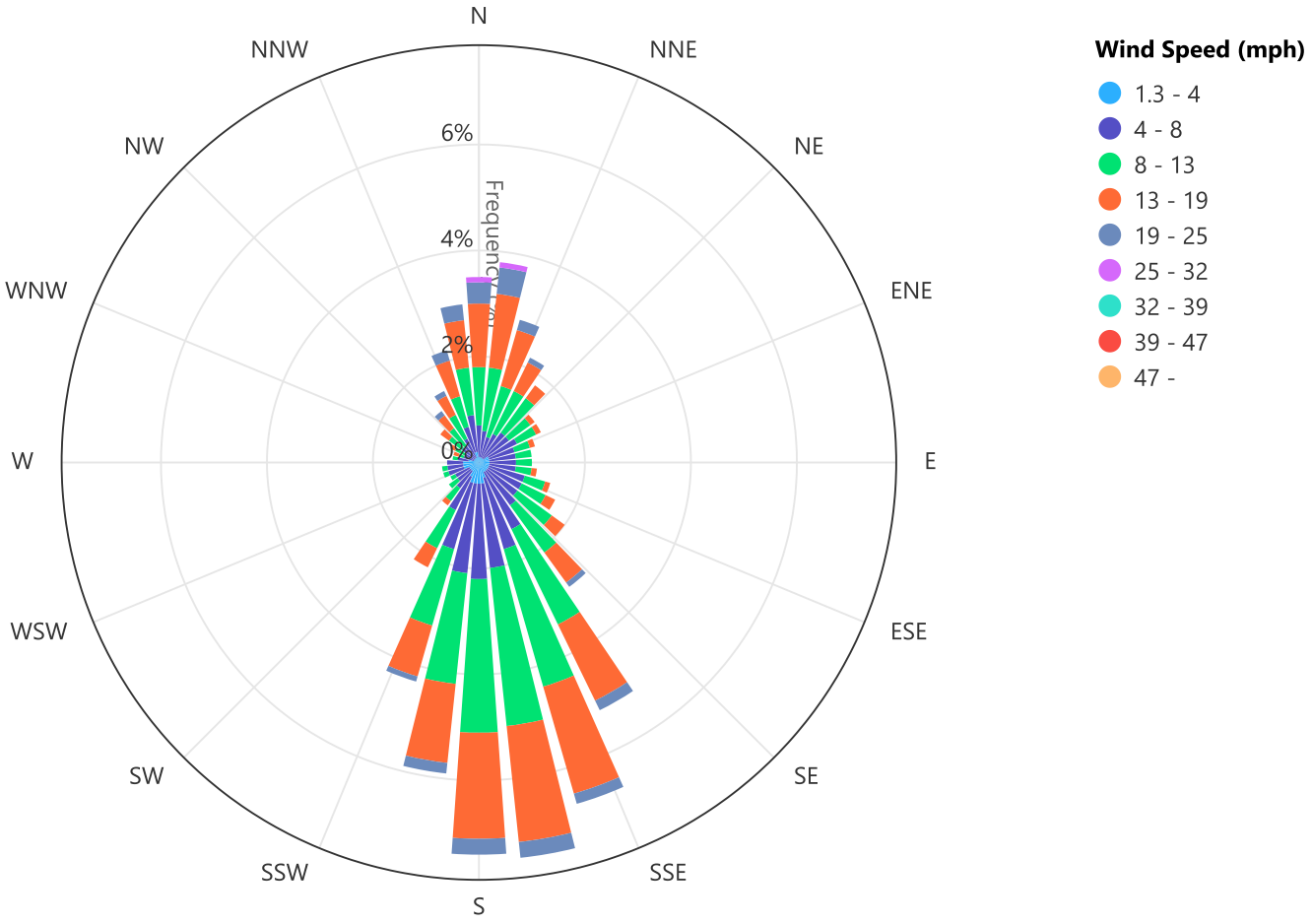
MAP REVISED
DECEMBER 20, 2019

ATTACHMENT N

WIND ROSE

AUSTIN BERGSTROM INTL AP (TX) Wind Rose

June 28, 1997 - April 30, 2025
Sub-Interval: January 1 - December 31, 0 - 24



Click and drag to zoom

ATTACHMENT O

SEWAGE SLUDGE MANAGEMENT PLAN

ATTACHMENT O - SLUDGE MANAGEMENT PLAN
SUMMARY

SOLIDS GENERATED & REMOVAL SUMMARY TABLE

	Interim Phase 1 - 0.1 MGD				Interim Phase II - 0.2 MGD				Final Phase - 0.3 MGD			
Percent of Phase Flow:	100%	75%	50%	25%	100%	75%	50%	25%	100%	75%	50%	25%
Dry Sludge (lbs/Day)	221	166	111	55	443	332	221	111	664	498	332	166
Wet Sludge (lbs/Day)*	14,762	11,071	7,381	3,690	29,524	22,143	14,762	7,381	44,285	33,214	22,143	11,071
Wet Sludge generated and to be removed (gal/Day)*	1,770	1,328	885	443	3,540	2,655	1,770	885	5,310	3,983	265	1,328

* Assumes 1.5% Solids

Sludge Management Summary

MLSS Operating Range
(design and actual flow): 3000 to 2100 mg/l

Solids Removal Procedure:

- Solids will be removed by wasting from the clarifier to the sludge holding basin.

- After minimum SRT is reached and sludge provisions in the permit are met, sludge will be hauled from the plant by a license hauler to a permitted facility.

- All removal shall be in accordance with the approved permit and TAC 312.

Solids Removal Schedule:

Removal schedule is highly variable based on operations of the plant but will generally be remove as needed after minimum sludge retention time is reached, sludge provisions in the permit are met, and to maintain an appropriate solids inventory. Typical removal schedule is 17 to 25 days.

Disposal Site Information:

Hauler: N/A - New Facility. Licensed hauler will be used.

Site: N/A - New Facility. Permitted site will be used.

ATTACHMENT O - SLUDGE MANAGEMENT PLAN
INTERIM I PHASE

Dimensions and Capacities of Sludge Holding

Average Anticipated Sludge Yield: 1,770 gal/day

TCEQ Minimum Sludge Retention Time: 15 days
SRT from Treatment Basins: 7.61 days
Minimum SRT needed in Sludge Holding: 7.392712 days

Prop Sludge Holdign Basins: 31,418 gal = 4,200 cubic feet

Proposed Sludge Holding SRT: 17.75 days
Total Proposed Sludge Retention Time: 25.36 days

Solids Generated

BOD_5 Removal	Influent concentration =	300	mg/l
	Effluent concentration =	5	mg/l
	Net removal =	295	mg/l

MLSS Operating Range = 3,000 mg/l

BOD_5 removed	246	lbs/day
Dry Sludge Produced	221	lbs/day
Wet Sludge Produced*	14,762	lbs/day
Wet Sludge Produced*	1,770	gal/day

Hauler:
N/A - New Facility. Licensed hauler will be used.

Site: N/A - New Facility. Permitted site will be used.

Assuming Percent Solids in Sludge: 1.5 % Solids

Length of Sustainded Peak (days)	Peaking Factor	Waste Sludge Mass Loading (lbs/day)	Total Sustained Loading (lb)
1	2.4	531	531
2	2.1	465	930
3	1.9	421	1,262
4	1.8	399	1,594
5	1.7	376	1,882
7	1.65	365	2,557
14	1.32	292	4,092
15	1.3	288	4,318
365	1	221	80,821

Process:
Conventional activated sludge process will be utilized. Sludge will be wasted from the clarifiers to the sludge holding basin. Sludge will be hauled by a licensed hauler to a TCEQ registered disposal site.

ATTACHMENT O - SLUDGE MANAGEMENT PLAN
INTERIM II PHASE

Dimensions and Capacities of Sludge Holding

Average Anticipated Sludge Yield:	3,540	gal/day		
TCEQ Minimum Sludge Retention Time:	15	days		
SRT from Treatment Basins:	7.61	days		
Minimum SRT needed in Sludge Holding:	7.392712	days		
Prop Sludge Holding Basins:	62,836	gal =	8,400	cubic feet
Proposed Sludge Holding SRT:	17.75	days		
Total Proposed Sludge Retention Time:	25.36	days		

Solids Generated

BOD_5 Removal	Influent concentration =	300	mg/l
	Effluent concentration =	5	mg/l
	Net removal =	295	mg/l

MLSS Operating Range = 3,000 mg/l

BOD_5 removed	492	lbs/day
Dry Sludge Produced	443	lbs/day
Wet Sludge Produced*	29,524	lbs/day
Wet Sludge Produced*	3,540	gal/day

Hauler:
N/A - New Facility. Licensed hauler will be used.

Site: N/A - New Facility. Permitted site will be used.

Assuming Percent Solids in Sludge: 1.5 % Solids

Length of Sustainded Peak (days)	Peaking Factor	Waste Sludge Mass Loading (lbs/day)	Total Sustained Loading (lb)
1	2.4	1,063	1,063
2	2.1	930	1,860
3	1.9	841	2,524
4	1.8	797	3,189
5	1.7	753	3,764
7	1.65	731	5,115
14	1.32	585	8,184
15	1.3	576	8,636
365	1	443	161,642

Process:
Conventional activated sludge process will be utilized. Sludge will be wasted from the clarifiers to the sludge holding basin. Sludge will be hauled by a licensed hauler to a TCEQ registered disposal site.

ATTACHMENT O - SLUDGE MANAGEMENT PLAN
FINAL PHASE

Dimensions and Capacities of Sludge Holding

Average Anticipated Sludge Yield:	5,310	gal/day	
TCEQ Minimum Sludge Retention Time:	15	days	
SRT from Treatment Basins:	7.61	days	
Minimum SRT needed in Sludge Holding:	7.39	days	
Prop Sludge Holding Basins:	94,254	gal =	12,600 cubic feet
Proposed Sludge Holding SRT:	17.75	days	
Total Proposed Sludge Retention Time:	25.36	days	

Solids Generated

BOD_5 Removal	Influent concentration =	300	mg/l
	Effluent concentration =	5	mg/l
	Net removal =	295	mg/l

MLSS Operating Range = 3,000 mg/l

BOD_5 removed	738	lbs/day
Dry Sludge Produced	664	lbs/day
Wet Sludge Produced*	44,285	lbs/day
Wet Sludge Produced*	5,310	gal/day

Hauler:
N/A - New Facility. Licensed hauler will be used.

Site: N/A - New Facility. Permitted site will be used.

Assuming Percent Solids in Sludge: 1.50 % Solids

Length of Sustainded Peak (days)	Peaking Factor	Waste Sludge Mass Loading (lbs/day)	Total Sustained Loading (lb)
1	2.4	1,594	1,594
2	2.1	1,395	2,790
3	1.9	1,262	3,786
4	1.8	1,196	4,783
5	1.7	1,129	5,646
7	1.65	1,096	7,672
14	1.32	877	12,276
15	1.3	864	12,953
365	1	664	242,463

Process:
Conventional activated sludge process will be utilized. Sludge will be wasted from the clarifiers to the sludge holding basin. Sludge will be hauled by a licensed hauler to a TCEQ registered disposal site.

ATTACHMENT P

FLOW PROJECTIONS

COUPLAND MUD #1 WWTP

Attachment P - Flow Projections

The Coupland Mud #1 Wastewater Treatment Plant (the WWTP) is proposing to serve approximately 3,700 Living Unit Equivalents (LUE's). The proposed service area consists of four (4) tracts totaling approximately 306-acres as summarized below.

COUPLAND MUD #1 WWTP Service Area and Flow Summary

Tract	Area (acres)	Projected LUEs/Acre	Projected LUE's to be Served	Max Flow per LUE (gpd/LUE)	Projected Max Flow (gpd)
1	51	2	102	250	25,500
2	52	4	208	250	52,000
3	138	4	552	250	138,000
4	65	4	260	250	65,000
TOTAL:	***306***		***1,122***		***280,500***

The projected yearly LUE and flow connections are provided below.

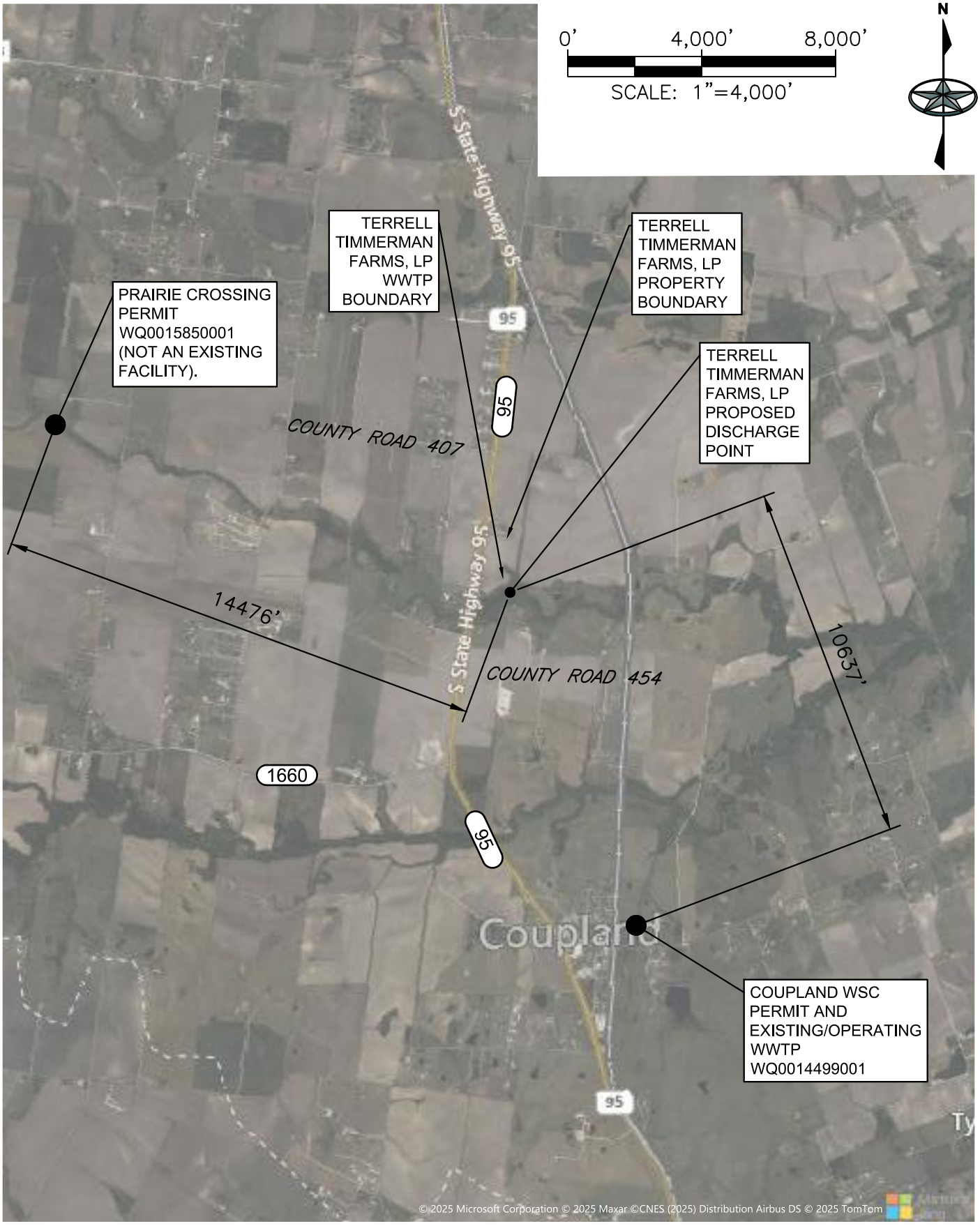
Coupland Mud #1 WWTP Yearly LUE and Flow Projection

Year*	LUEs Connected	Cumulative LUE's Connected	Max Monthly Flow (gpd)	WWTP Phase
2027	75	75	18,750	Interim I
2028	100	175	43,750	Interim I
2029	100	275	68,750	Interim I
2030	100	375	93,750	Interim I
2031	125	500	125,000	Interim II
2032	125	625	156,250	Interim II
2033	150	775	193,750	Interim II
2034	125	900	225,000	Final
2035	100	1000	250,000	Final
2036	75	1075	268,750	Final
2037	47	1122	280,500	Final

*Assumes permit is issued in December 2026.

ATTACHMENT Q

NEARBY WWTPs



FILE: ATTACHMENT Q – NEARBY WWTPS.dwg TAB: MAP PLOTTED: 4/30/2025 11:13 AM BY: MIKE BEVILACQUA

BAXTER & WOODMAN Consulting Engineers
301 DENALI PASS DR., SUITE 3
CEDAR PARK, TEXAS 78613
(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

ATTACHMENT Q - NEARBY WWTPS

BAXTER & WOODMAN
Consulting Engineers

July 3, 2025

Phil Grimley - President
Coupland Water Supply Corporation
P.O. Box 141
Coupland, Texas 78612

Re: Wastewater Service and
New TPDES Permit Application for
Terrell Timmermann Farms, LP

Mr. Phil Grimley,

We are currently working on an application for a new wastewater treatment facility discharge permit with an ultimate capacity of 0.30 million gallons per day (MGD) in Williamson County. Our proposed facility will be located approximately 2 miles northwest of your existing WWTP site, and outside of your existing WW CCN and service area boundary. TCEQ requires us to contact entities with an existing permitted plant or existing collection system within three (3) miles of our site. Your permit WQ0014499001 with a capacity of 0.025-mgd is within 3 miles of our proposed facility. Please let us know if you are willing to and/or have the extra capacity in your facilities to accommodate this additional flow.

Please respond in writing to Mike Bevilacqua at the address in the footer of this letter or e-mail a copy of your response to mbevilacqua@baxterwoodman.com.Thank you in advance for your prompt attention regarding this matter.

Respectfully submitted,

Michael Bevilaqua, P.E.
BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS

Texas Registered Engineering Firm F-21783

9589 0710 5270 3275 4660 59

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7/2/2025

Sent To Coupland WSC - Phil Grimley

Street and Apt. No., or PO Box No. P.O. Box 141

City, State, ZIP+4® Coupland, TX 78615

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

ATTACHMENT R

PLAIN LANGUAGE SUMMARIES

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUMMARY OF APPLICATION IN PLAIN LANGUAGE FOR TPDES OR TLAP PERMIT APPLICATIONS

Summary of Application (in plain language) Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

Applicants should use this template to develop a plain language summary of your facility and application as required by Title 30, Texas Administrative Code (30 TAC), Chapter 39, Subchapter H. You may modify the template as necessary to accurately describe your facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how you will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the highlighted areas below to describe your facility and application in plain language. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements. After filling in the information for your facility delete these instructions.

If you are subject to the alternative language notice requirements in 30 TAC Section 39.426, **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package**. For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS
Enter 'INDUSTRIAL' or 'DOMESTIC' here WASTEWATER/STORMWATER
The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and is not a federal enforceable representation of the permit application.

Terrell Timmermann Farms, LP (CN606063709) proposes to operate Coupland MUD #1 Wastewater Treatment Plant (5. Enter Regulated Entity Number here (i.e., RN1########)), an activated sludge domestic wastewater treatment facility. The facility will be located at approximately 1.07 miles northeast of the FM 1600 and Highway 95 intersection, in Taylor, Williamson County, Texas 76574. This application is for a new authorization to discharge treated domestic wastewater at an average daily flow not to exceed 300,000 gallons per day.

Discharges from the facility are expected to contain five-day carbonaceous oxygen demand (CBOD5), Total Suspended Solids (TSS), Ammonia Nitrogen (NH3-N), Phosphorus (P). and Escherichia coli. Domestic Wastewater will be treated by an activated sludge process and the treatment units include a bar screen, aeration basins, clarifiers, chlorine contact basin, effluent filters, and sludge holding basins.

PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS DE TPDES o TLAP

AGUAS RESIDUALES DOMÉSTICAS /AGUAS PLUVIALES

El siguiente resumen se proporciona para esta solicitud de permiso de calidad del agua pendiente que está siendo revisada por la Comisión de Calidad Ambiental de Texas según lo requerido por el Capítulo 39 del Código Administrativo de Texas 30. La información proporcionada en este resumen puede cambiar durante la revisión técnica de la solicitud y no es una representación ejecutiva fedérale de la solicitud de permiso.

Terrell Timmermann Farms, LP (CN606063709) propone operar la planta de Coupland MUD #1(RN), una planta de tratamiento de aguas residuales domesticas e lodos activados. La instalación estará ubicada en approximadamente 1.07 miles al noreste de la interseccion de FM 1660 y Highway 95, en Taylor, Condado de Williamson, Texas 76574. Esta solicitud es para una nueva autorización para descargar aguas residuales tratadas en un volumen que no exceda un flujo promedio diario de 300,000 galones por día.

Se espera que las descargas de la instalación contengan demanda bioquímica de oxigeno carbonoso de cinco días ($CBOD_5$), y Solidos total suspendidos (TSS), y Nitrógeneo Amoniaco (NH3-N), Fósforo (P), y Escherichia coli. Las aguas residuales domesticas. estará tratado por una planta de processo de lodos activados, y las unidades de tratamiento incluyen una pantalla de barra, cuencas de aireación, y clarificadores, y cuencas de contacto con cloro (o desinfección ultravioleta), filtros de efluentes, y cuencas de retención de lodos. .

INSTRUCTIONS

1. Enter the name of applicant in this section. The applicant name should match the name associated with the customer number.
2. Enter the Customer Number in this section. Each Individual or Organization is issued a unique 11-digit identification number called a CN (e.g. CN123456789).
3. Choose “operates” in this section for existing facility applications or choose “proposes to operate” for new facility applications.
4. Enter the name of the facility in this section. The facility name should match the name associated with the regulated entity number.
5. Enter the Regulated Entity number in this section. Each site location is issued a unique 11-digit identification number called an RN (e.g. RN123456789).
6. Choose the appropriate article (a or an) to complete the sentence.
7. Enter a description of the facility in this section. For example: steam electric generating facility, nitrogenous fertilizer manufacturing facility, etc.
8. Choose “is” for an existing facility or “will be” for a new facility.
9. Enter the location of the facility in this section.
10. Enter the City nearest the facility in this section.
11. Enter the County nearest the facility in this section.
12. Enter the zip code for the facility address in this section.
13. Enter a summary of the application request in this section. For example: renewal to discharge 25,000 gallons per day of treated domestic wastewater, new application to discharge process wastewater and stormwater on an intermittent and flow-variable basis, or major amendment to reduce monitoring frequency for pH, etc. If more than one outfall is included in the application, provide applicable information for each individual outfall.
14. List all pollutants expected in the discharge from this facility in this section. If applicable, refer to the pollutants from any federal numeric effluent limitations that apply to your facility.
15. Enter the discharge types from your facility in this section (e.g., stormwater, process wastewater, once through cooling water, etc.)
16. Choose the appropriate verb tense to complete the sentence.
17. Enter a description of the wastewater treatment used at your facility. Include a description of each process, starting with initial treatment and finishing with the outfall/point of disposal. Use additional lines for individual discharge types if necessary.

Questions or comments concerning this form may be directed to the Water Quality Division’s Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

Example 1: Industrial Wastewater TPDES Application (ENGLISH)

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 TAC Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

ABC Corporation (CN600000000) operates the Starr Power Station (RN10000000000), a two-unit gas-fired electric generating facility. Unit 1 has a generating capacity of 393 megawatts (MWs) and Unit 2 has a generating capacity of 528 MWs. The facility is located at 1356 Starr Street, near the City of Austin, Travis County, Texas 78753.

This application is for a renewal to discharge 870,000,000 gallons per day of once through cooling water, auxiliary cooling water, and also authorizes the following waste streams monitored inside the facility (internal outfalls) before it is mixed with the other wastewaters authorized for discharge via main Outfall 001, referred to as "previously monitored effluents" (low-volume wastewater, metal-cleaning waste, and stormwater (from diked oil storage area yards and storm drains)) via Outfall 001. Low-volume waste sources, metal-cleaning waste, and stormwater drains on a continuous and flow-variable basis via internal Outfall 101.

The discharge of once through cooling water via Outfall 001 and low-volume waste and metal-cleaning waste via Outfall 101 from this facility is subject to federal effluent limitation guidelines at 40 CFR Part 423. The pollutants expected from these discharges based on 40 CFR Part 423 are: free available chlorine, total residual chlorine, total suspended solids, oil and grease, total iron, total copper, and pH. Temperature is also expected from these discharges. Additional potential pollutants are included in the Industrial Wastewater Application Technical Report, Worksheet 2.0.

Cooling water and boiler make-up water are supplied by Lake Starr Reservoir. The City of Austin municipal water plant (CN600000000, PWS 00000) supplies the facility's potable water and serves as an alternate source of boiler make-up water. Water from the Lake Starr Reservoir is withdrawn at the intake structure and treated with sodium hypochlorite to prevent biofouling and sodium bromide as a chlorine enhancer to improve efficacy and then passed through condensers and auxiliary equipment on a once-through basis to cool equipment and condense exhaust steam.

Low-volume wastewater from blowdown of boiler Units 1 and 2 and metal-cleaning wastes receive no treatment prior to discharge via Outfall 101. Plant floor and equipment drains and stormwater runoff from diked oil storage areas, yards, and storm drains are routed through an oil and water separator prior to discharge via Outfall 101. Domestic wastewater, blowdown, and backwash water from the service water filter, clarifier, and sand filter are routed to the Starr Creek Domestic Sewage Treatment Plant, TPDES Permit No. WQ0010000001, for treatment and disposal. Metal-cleaning waste from equipment cleaning is generally disposed of off-site.

Example 2: Domestic Wastewater TPDES Renewal application

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to discharge at an annual average flow of 1,200,000 gallons per day of treated domestic wastewater via Outfalls 001 and 002.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 3: Domestic Wastewater TPDES New Application

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

The City of Texas (CN000000000) proposes to operate the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the extended aeration mode. The facility will be located at 123 Texas Street, in the City of More Texas, Texas County, Texas 71234.

This application is for a new application to discharge at a daily average flow of 200,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand ($CBOD_5$), total suspended solids (TSS), ammonia nitrogen (NH_3-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 4: Domestic Wastewater TLAP Renewal application

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations

of the permit application.

The City of Texas (CN000000000) operates the City of Texas wastewater treatment plant (RN000000000), an activated sludge process plant operated in the complete mix mode. The facility is located at 123 Texas Street, near the City of More Texas, Texas County, Texas 71234.

This application is for a renewal to dispose a daily average flow not to exceed 76,500 gallons per day of treated domestic wastewater via public access subsurface drip irrigation system with a minimum area of 32 acres. This permit will not authorize a discharge of pollutants into water in the state.

Land application of domestic wastewater from the facility are expected to contain five-day biochemical oxygen demand (BOD_5), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, an equalization basin, an aeration basin, a final clarifier, an aerobic sludge digester, tertiary filters, and a chlorine contact chamber. In addition, the facility includes a temporary storage that equals to at least three days of the daily average flow.

ATTACHMENT S

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC OR INDUSTRIAL TPDES WASTEWATER PERMIT APPLICATIONS

TCEQ USE ONLY:

Application type: ____Renewal ____Major Amendment ____Minor Amendment ____New

County: _____ Segment Number: _____

Admin Complete Date: _____

Agency Receiving SPIF:

_____ Texas Historical Commission _____ U.S. Fish and Wildlife

_____ Texas Parks and Wildlife Department _____ U.S. Army Corps of Engineers

This form applies to TPDES permit applications only. (Instructions, Page 53)

Complete this form as a separate document. TCEQ will mail a copy to each agency as required by our agreement with EPA. If any of the items are not completely addressed or further information is needed, we will contact you to provide the information before issuing the permit. Address each item completely.

Do not refer to your response to any item in the permit application form. Provide each attachment for this form separately from the Administrative Report of the application. The application will not be declared administratively complete without this SPIF form being completed in its entirety including all attachments. Questions or comments concerning this form may be directed to the Water Quality Division's Application Review and Processing Team by email at WQ-ARPTeam@tceq.texas.gov or by phone at (512) 239-4671.

The following applies to all applications:

1. Permittee: Terrell Timmermann Farms, LP

   Permit No. WQ00 Click here to enter text EPA ID No. TX Click here to enter text

   Address of the project (or a location description that includes street/highway, city/vicinity, and county):

   Approximately 1.07 miles northeast of the FM 1660 and Highway 95 intersection in Williamson County, TX 76574

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Michael Bevilacqua

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Senior Project Manager

Mailing Address: 301 Denali Pass, Suite #3

City, State, Zip Code: Cedar Park, TX 78613

Phone No.: 737-358-8103 Ext.: Click here to enter text. Fax No.: Click here to enter text.

E-mail Address: mbevilacqua@baxterwoodman.com

2. List the county in which the facility is located: Williamson
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

N/A – Not publicly owned

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

Treated effluent will be discharged from the wastewater treatment plant into Boggy Creek, thence to Brushy Creek (Classified Segment #1244)

5. Please provide a separate 7.5-minute USGS quadrangle map with the project boundaries plotted and a general location map showing the project area. Please highlight the discharge route from the point of discharge for a distance of one mile downstream. (This map is required in addition to the map in the administrative report).

Provide original photographs of any structures 50 years or older on the property.

Does your project involve any of the following? Check all that apply.

- ☒ Proposed access roads, utility lines, construction easements
- ☐ Visual effects that could damage or detract from a historic property's integrity
- ☐ Vibration effects during construction or as a result of project design
- ☒ Additional phases of development that are planned for the future
- ☐ Sealing caves, fractures, sinkholes, other karst features

☐ Disturbance of vegetation or wetlands

1. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

The proposed construction is anticipated to impact approximately 2-acres. Existing vegetation is anticipated to be removed. The depth of excavation is anticipated to be a maximum of 15-ft. Cave and/or karst features are not known to present on site.

2. Describe existing disturbances, vegetation, and land use:

The existing site is currently used to grow and harvest crops. An existing single-story house is on the property. No other existing buildings or development are present at the site.

THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

3. List construction dates of all buildings and structures on the property:

There is one (1) existing house on site. Based on historical imagery and Williamson County Appraisal District, the existing house appears to have been built prior to 1995.

4. Provide a brief history of the property, and name of the architect/builder, if known.

The property has historically been used for harvesting crops since at least 1985 (based on available historical aerials). The proposed architect and builder of the proposed development is not known at this time.

Candice Calhoun

From: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Sent: Monday, July 14, 2025 10:13 AM
To: Candice Calhoun
Cc: paige@greenviewdev.com
Subject: RE: Application for Proposed Permit No. WQ016842001 (Terrell Timmermann Farms, LP) - Notice of Deficiency
Attachments: 2025.07.14.Response to Admin Comments #1.pdf; Mailing Labels_WQ0016842001 _Coupland MUD No.1 WWTP.docx; Spanish NORI_WQ0016842001.docx

Hi Candice,

Attached is our response to comments. Also attached is the translated copy of the NORI and the mailing labels. Hard copies are being mailed. A USB stick with mailing labels is included with the hard copies. Please let us know if you have any questions or need anything else.

Thanks

Michael E. Bevilacqua, P.E.
Senior Project Manager

Baxter & Woodman
Direct: 737-358-8103
Cell: 512-568-9974
301 Denali Pass, Suite #3
Cedar Park, TX 78613
TBPELS Registration No. F-21783

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Wednesday, July 9, 2025 11:15 AM
To: paige@greenviewdev.com
Cc: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Subject: Application for Proposed Permit No. WQ016842001 (Terrell Timmermann Farms, LP) - Notice of Deficiency
Importance: High

Good morning, Ms. Bacon,

The attached Notice of Deficiency (NOD) letter dated July 9, 2025, requests additional information needed to declare the application administratively complete. Please send complete response no later than July 23, 2025.

Please let me know if you have any questions.

Regards,

Candice Courville
License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental Quality
512-239-4312
candice.calhoun@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

BAXTER & WOODMAN
Consulting Engineers

July 14, 2025

Ms. Candice Calhoun
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality
P.O. Box 13087
Austin, Texas 78711

Subject: Application for Proposed Permit No.: WQ0016842001
Applicant Name: Terrell Timmermann Farms, LP (CN606063709)
Site Name: Coupland MUD No. 1 WWTP (RN112243076)
Response to Admin Review Comments #1.

Dear Ms. Calhoun:

We have received your administrative review comments dated 7/9/2025 for the above referenced application. A summary of the comments is provided below with our response in italics.

1. Please submit the original paper copy of the application to the Application Review and Processing Team of the Water Quality Division.
   - *Hard copies were mailed on 7/7/2025 and delivered on 7/9/2025.*

2. Please provide payment for the application processing fee of $1,250.00 and provide the check along with this letter.
   - *Payment was mailed to the cashier's office on 7/7/2025. Since the check was mailed prior to receiving these comments, we are unable to provide a copy of the check.*

3. Please provide a revised map that labels the full applicant property boundary with all adjacent affected landowners. Please also provide an updated cross reference landowner list for mailing labels.
   - *The applicant's property boundary is outlined in the bold line, labeled, and is parcel R019681 on Williamson County Appraisal District (WCAD). Property 20 is also owned by the applicant but is a separate parcel (R656501) than the WWTP property. Because of this, the property across the street of Hwy 95 has been identified on the map and list as #16 and all affected landowners have been identified.*
   - *Mailing labels are included with this response. We have not included a label for lot #20.*

4. Please review the NORI and provide comments if necessary.
   - *We have reviewed the NORI provided and take no exception, provided the TCEQ RWA review team confirms the discharge route provided in the application and has no comments/changes.*

5. Provide a translated Spanish NORI using the attached template.
   - *A translated Spanish NORI has been e-mailed. This translation is based on the TCEQ RWA review team confirming the discharge route provided in the application. If the RWA team has comments/changes to the discharge route provided, the Spanish NORI will need to be updated to reflect such changes.*
   - *Please note on the template provided, I am unable to add the permit number in the heading and delete the non-italicized sentence regarding the Coastal Management Program boundary.*

If you have any questions, or need additional information, please do not hesitate to contact me. My address and phone number are listed above, and my email is mbevilacqua@baxterwoodman.com.

Sincerely,

7/14/2025

BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS

STATE OF TEXAS
MICHAEL E. BEVILACQUA
124762
LICENSED
PROFESSIONAL ENGINEER

Michael E. Bevilacqua, P.E.
Senior Project Manager

Texas Registered Engineering Firm F-21783

Candice Calhoun

From: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Sent: Monday, July 14, 2025 11:42 AM
To: Candice Calhoun
Subject: RE: Application for Proposed Permit No. WQ016842001 (Terrell Timmermann Farms, LP) - Notice of Deficiency
Attachments: Mailing Labels_WQ0016842001_Coupland MUD No.1 WWTP.docx

I changed the borders and removed one comma. What else needs to change on the mailing labels? They were in all caps already and have the correct state abbreviation.

Michael E. Bevilacqua, P.E.
Senior Project Manager

Baxter & Woodman
Direct: 737-358-8103
Cell: 512-568-9974
301 Denali Pass, Suite #3
Cedar Park, TX 78613
TBPELS Registration No. F-21783

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Monday, July 14, 2025 10:32 AM
To: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Cc: paige@greenviewdev.com
Subject: RE: Application for Proposed Permit No. WQ016842001 (Terrell Timmermann Farms, LP) - Notice of Deficiency
Importance: High

Good morning, Mike,

Thank you for your response. Please see my comments below:

1. The response states a hard copy was received on 7/9; however, our received application log indicates a hard copy has not been received.

2. I double checked and still was unable to verify receipt of the payment. You may want to check with the bank to see if it has been cleared through the bank or not. If it has, please provide that documentation and I will reach out to the cashier's office to see what can be done.

TERRELL TIMMERMANN FARMS, LP– COUPLAND MUD #1 WWTP TPDES APPLICATION WQ0016842001

GREGORY WEBB GOLSTON
1709 FAWN DR
AUSTIN TX 78741

ALLEN B PARSON
TRUSTEE OF AB PARSON AND EM PARSON JOINT
REVOCABLE LIVING TRUST
401 COUNTY RD 454
TAYLOR TX 76574

HEBBE FAMILY PROPERTIES LTD
16341 CAMERON RD
PFLUGERVILLE TX 78660

CLIFTON GONZENBACH
TRUSTEE OF THE GONZENBACH FAMILY TRUST LE
15309 FUCHS GROVE RD
MANOR TX 78653

OLIVIA HENLEY AND KARI M WRIGHT
801 COUNTY RD 454
TAYLOR TX 76574

GILBERT JR AND MERRILYN P ALCOCER
851 COUNTY RD 454
TAYLOR TX 76574

MATTHEW EDWARD MAKARCZYK AND KEIKO
TAKIMOTO MAKARCZYK
875 COUNTY RD 454
TAYLOR TX 76574

GARY MOHEL
1300 COUNTY RD 454
TAYLOR TX 76574

GLENN GRAHAM
600 COUNTY RD 453
TAYLOR TX 76574

REGAN E AND ELIZABETH A BECK
5000 LOCKWOOD DR
WACO TX 76710

PAUL STASNY GOLSTON
11501 S STATE HIGHWAY 95
TAYLOR TX 76574

JASON R NEIPERT
11500 S STATE HIGHWAY 95
TAYLOR TX 76574

ROBERTO AND CARLEE PEREZ
11400 S STATE HIGHWAY 95
TAYLOR TX 76574

JO BETH KRANKEL
1001 N MAIN ST
ELGIN TX 78621

PABLO CORTINA AND COURTNEY PINEDA
11001 S STATE HIGHWAY 95
TAYLOR TX 76574

DAVID BOHL AND GRACIELA CANTU
PO BOX 1682
BURNET TX 78611

Candice Calhoun

From: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Sent: Wednesday, July 16, 2025 10:01 AM
To: Candice Calhoun
Cc: paige@greenviewdev.com
Subject: RE: Application for Proposed Permit No. WQ0016842001 (Terrell Timmermann Farms, LP) - Notice of Deficiency
Attachments: 2025.07.16.Response to Admin Comments #1.R1.pdf; Attachment D - Affected Landowners Map & List.pdf; Attachment Q - Nearby WWTP.pdf; Mailing Labels_WQ0016842001_Coupland MUD No.1 WWTP.docx; Spanish NORI_WQ0016842001.docx

Hi Candice,

Attached is an updated response to comments. Please note the 2nd paragraph under Item #3 on page 1, and the 2nd to last paragraph in bold on page 2. The corresponding updated Attachments D (Affected Landowners List and Map) and Q (Nearby WWTPs) of the application are attached with the response.

I believe you have these already, but I've attached the updated mailing labels and Spanish NORI just in case.

Hard copies are being sent to your office.

Please let me know if you have any questions or need anything else.

Thanks

Michael E. Bevilacqua, P.E.
Senior Project Manager

Baxter & Woodman
Direct: 737-358-8103
Cell: 512-568-9974
301 Denali Pass, Suite #3
Cedar Park, TX 78613
TBPELS Registration No. F-21783

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Tuesday, July 15, 2025 2:42 PM
To: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Subject: RE: Application for Proposed Permit No. WQ0016842001 (Terrell Timmermann Farms, LP) - Notice of Deficiency

Mike,

BAXTER & WOODMAN Consulting Engineers

July 16, 2025

Ms. Candice Calhoun
Applications Review and Processing Team (MC148)
Water Quality Division
Texas Commission of Environmental Quality
P.O. Box 13087
Austin, Texas 78711

Subject: Application for Proposed Permit No.: WQ0016842001
Applicant Name: Terrell Timmermann Farms, LP (CN606063709)
Site Name: Coupland MUD No. 1 WWTP (RN112243076)
Response to Admin Review Comments #1, Revision 1.

Dear Ms. Calhoun:

We have received your administrative review comments dated 7/9/2025 for the above referenced application. This letter is an update to the response emailed on 7/14/2025. A summary of the comments is provided below with our response in italics.

1. Please submit the original paper copy of the application to the Application Review and Processing Team of the Water Quality Division.
   - *The hard copies of the application were received on 7/15/2025.*

2. Please provide payment for the application processing fee of $1,250.00 and provide the check along with this letter.
   - *The check was received on 7/15/2025.*

3. Please provide a revised map that labels the full applicant property boundary with all adjacent affected landowners. Please also provide an updated cross reference landowner list for mailing labels.
   - *The applicant's property boundary is outlined in the bold line and labeled on the map; and is parcel R019681 on Williamson County Appraisal District (WCAD). The adjacent property (previously labeled as #20) is also owned by the applicant but is a separate parcel (R656501) than the WWTP property and has been labeled as such on the Affected Landowners Map. The Applicant is no longer listed on the affected landowners list. The property across from the Applicant's properties on Hwy 95 was already identified on the map as #16 and remains as such.*
   - *There appears to be a small parcel adjacent to property #13, between property #13 and Highway 95. The landowner is the same as #13 and #12 but since it appears to be a separate parcel, it has now been added to the list and map. This property has been labeled as #20.*
   - *Mailing labels are included with this response.*

4. Please review the NORI and provide comments if necessary.
   - *We have reviewed the NORI provided and take no exception, provided the TCEQ RWA review team confirms the discharge route provided in the application and has no comments/changes.*

5. Provide a translated Spanish NORI using the attached template.
   - *A translated Spanish NORI has been e-mailed. This translation is based on the TCEQ RWA review team confirming the discharge route provided in the application. If the RWA team has comments/changes to the discharge route provided, the Spanish NORI will need to be updated to reflect such changes.*
   - *Please note on the template provided, I am unable to add the permit number in the heading and delete the non-italicized sentence regarding the Coastal Management Program boundary.*

In addition to the above referenced comments, Attachment Q – Nearby WWTP's has been updated and included with this response. This attachment was updated to include a letter received by Coupland WSC indicating they have no capacity and/or willingness to serve our development.

If you have any questions, or need additional information, please do not hesitate to contact me. My address and phone number are listed above, and my email is mbevilacqua@baxterwoodman.com.

Sincerely,

7/16/2025

STATE OF TEXAS
MICHAEL E. BEVILACQUA
124762
LICENSED
PROFESSIONAL ENGINEER

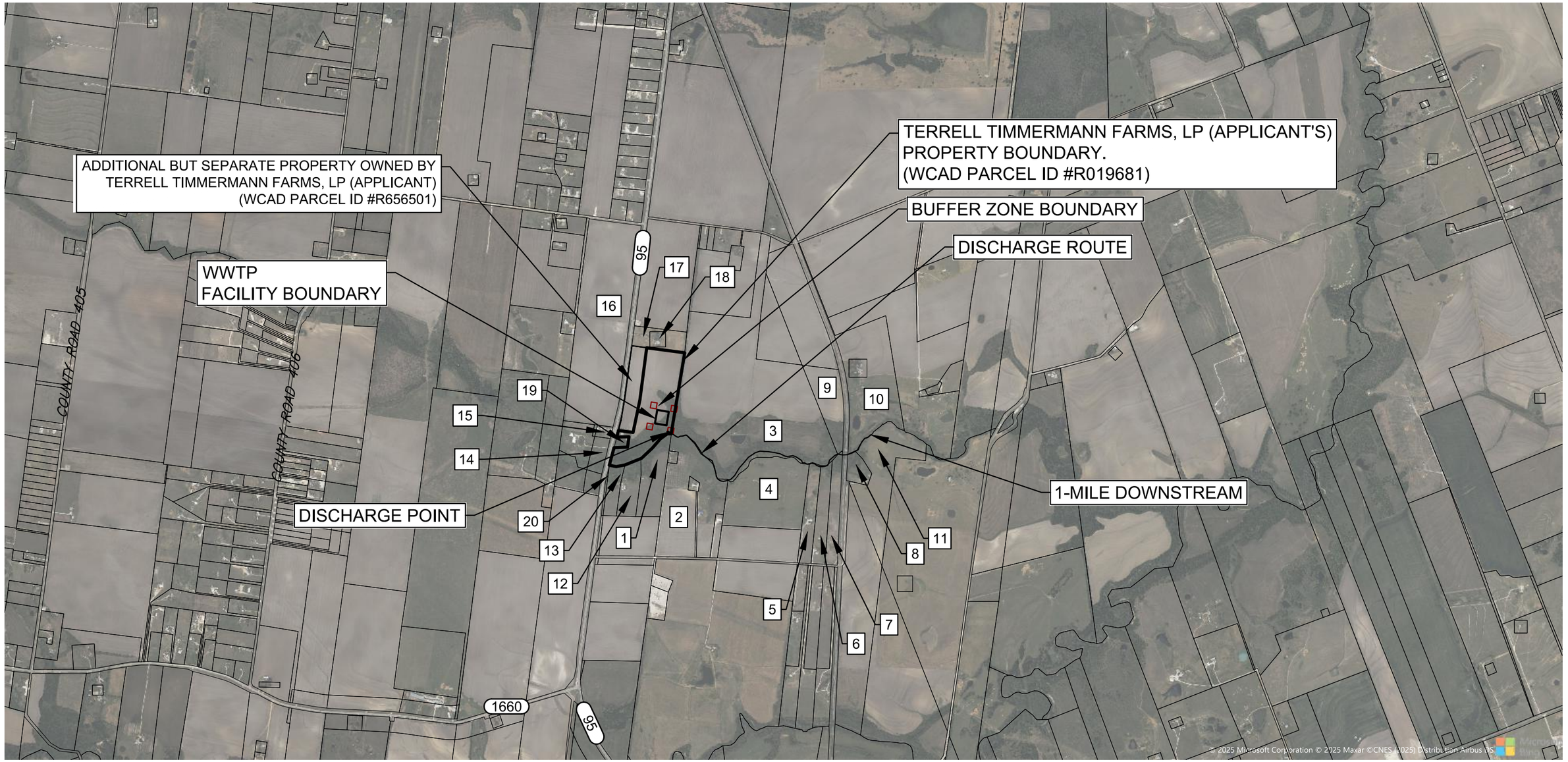
BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS

Michael E. Bevilacqua, P.E.
Senior Project Manager

Texas Registered Engineering Firm F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 WWTP
Attachment D - Affected Landowners List

NUMBER	OWNER NAME	MAILING ADDRESS
1	GREGORY WEBB GOLSTON	1709 FAWN DR AUSTIN TX 78741
2	ALLEN B PARSON TRUSTEE OF AB PARSON AND EM PARSON JOINT REVOCABLE LIVING TRUST	401 COUNTY RD 454 TAYLOR, TX 76574
3	HEBBE FAMILY PROPERTIES LTD	16341 CAMERON RD PFLUGERVILLE TX 78660
4	CLIFTON GONZENBACH TRUSTEE OF THE GONZENBACH FAMILY TRUST LE	15309 FUCHS GROVE RD MANOR TX 78653
5	OLIVIA HENLEY AND KARI M WRIGHT	801 COUNTY RD 454 TAYLOR TX 76574
6	GILBERT JR AND MERRILYN P ALCOCER	851 COUNTY RD 454 TAYLOR TX 76574
7	MATTHEW EDWARD MAKARCZYK AND KEIKO TAKIMOTO MAKARCZYK	875 COUNTY RD 454 TAYLOR TX 76574
8	GARY MOHEL	1300 COUNTY RD 454 TAYLOR TX 76574
9	HEBBE FAMILY PROPERTIES LTD	16341 CAMERON RD PFLUGERVILLE TX 78660
10	GLENN GRAHAM	600 COUNTY RD 453 TAYLOR TX 76574
11	REGAN E AND ELIZABETH A BECK	5000 LOCKWOOD DR WACO TX 76710
12	PAUL STASNY GOLSTON	11501 S STATE HIGHWAY 95 TAYLOR TX 76574
13	PAUL STASNY GOLSTON	11501 S STATE HIGHWAY 95 TAYLOR TX 76574
14	JASON R NEIPERT	11500 S STATE HIGHWAY 95 TAYLOR TX 76574
15	ROBERTO AND CARLEE PEREZ	11400 S STATE HIGHWAY 95 TAYLOR TX 76574
16	JO BETH KRANKEL	1001 N MAIN ST ELGIN TX 78621
17	PABLO CORTINA AND COURTNEY PINEDA	11001 S STATE HIGHWAY 95 TAYLOR TX 76574
18	PABLO CORTINA AND COURTNEY PINEDA	11001 S STATE HIGHWAY 95 TAYLOR TX 76574
19	DAVID BOHL AND GRACIELA CANTU	PO BOX 1682 BURNET TX 78611
20	PAUL STASNY GOLSTON	11501 S STATE HIGHWAY 95 TAYLOR TX 76574



N

0' 2,000' 4,000'

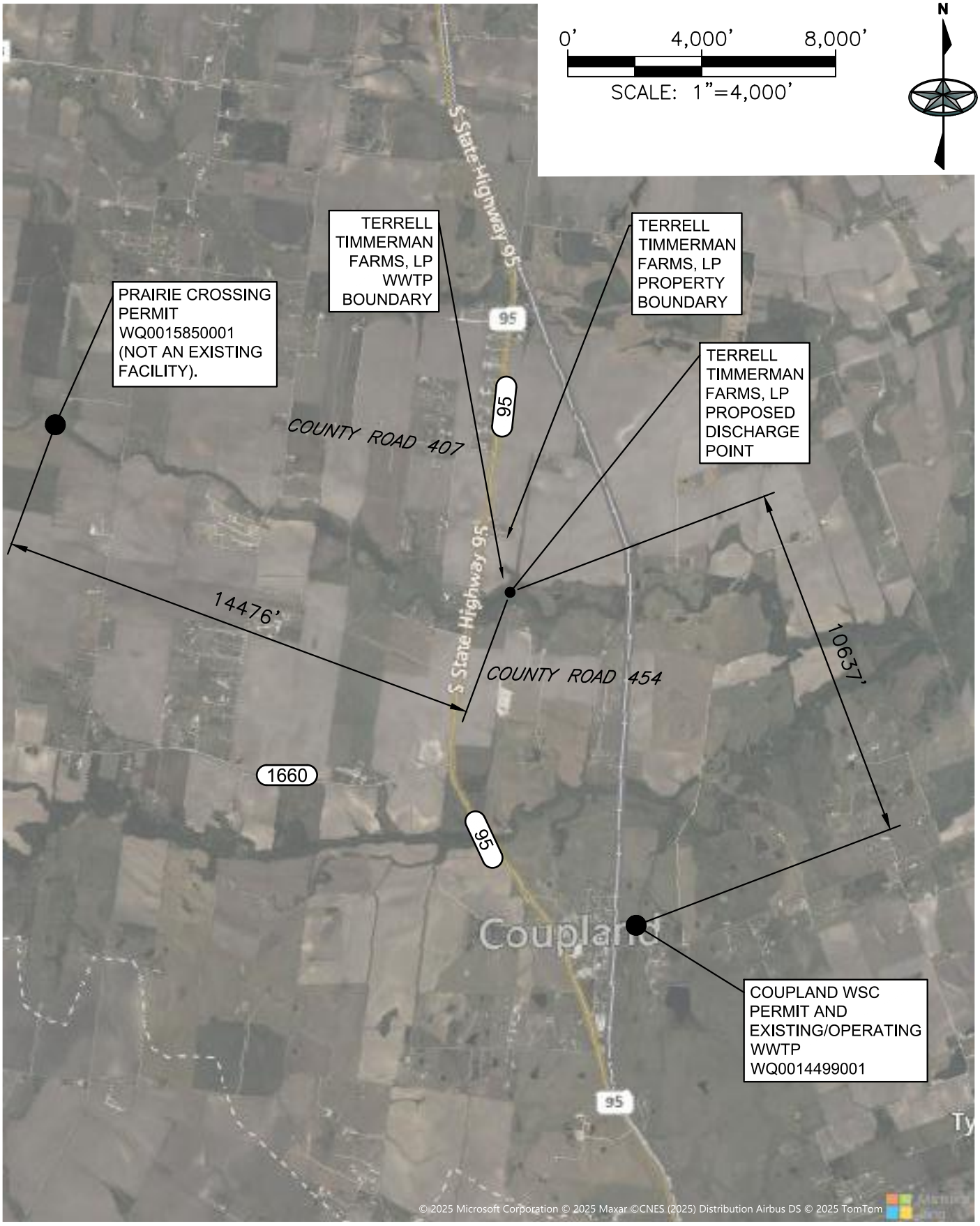
SCALE: 1"=2,000'

BAXTER & WOODMAN Consulting Engineers
301 DENALI PASS DR., SUITE 3
CEDAR PARK, TEXAS 78613
(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

ATTACHMENT D - AFFECTED LANDOWNERS MAP

FILE: ATTACHMENT D – AFFECTED LANDOWNERS.dwg TAB: LANDOWNERS PLOTTED: 7/16/2025 8:20 AM BY: GLENN POPE



FILE: ATTACHMENT Q – NEARBY WWTPS.dwg TAB: MAP PLOTTED: 4/30/2025 11:13 AM BY: MIKE BEVILACQUA

BAXTER & WOODMAN Consulting Engineers
301 DENALI PASS DR., SUITE 3
CEDAR PARK, TEXAS 78613
(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

TERRELL TIMMERMANN FARMS, LP
COUPLAND MUD #1 TPDES PERMIT

ATTACHMENT Q - NEARBY WWTPS

BAXTER & WOODMAN
Consulting Engineers

July 3, 2025

Phil Grimley - President
Coupland Water Supply Corporation
P.O. Box 141
Coupland, Texas 78612

Re: Wastewater Service and
New TPDES Permit Application for
Terrell Timmermann Farms, LP

Mr. Phil Grimley,

We are currently working on an application for a new wastewater treatment facility discharge permit with an ultimate capacity of 0.30 million gallons per day (MGD) in Williamson County. Our proposed facility will be located approximately 2 miles northwest of your existing WWTP site, and outside of your existing WW CCN and service area boundary. TCEQ requires us to contact entities with an existing permitted plant or existing collection system within three (3) miles of our site. Your permit WQ0014499001 with a capacity of 0.025-mgd is within 3 miles of our proposed facility. Please let us know if you are willing to and/or have the extra capacity in your facilities to accommodate this additional flow.

Please respond in writing to Mike Bevilacqua at the address in the footer of this letter or e-mail a copy of your response to mbevilacqua@baxterwoodman.com.Thank you in advance for your prompt attention regarding this matter.

Respectfully submitted,

Michael Bevilaqua, P.E.
BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS

Texas Registered Engineering Firm F-21783

9589 0710 5270 3275 4660 59

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at *www.usps.com®*.

OFFICIAL USE

Certified Mail Fee $4.85

$ $4.10

Extra Services & Fees *(check box, add fee as appropriate)*
- ☐ Return Receipt (hardcopy) $ $4.00
- ☐ Return Receipt (electronic) $ $0.00
- ☐ Certified Mail Restricted Delivery $ $1.80
- ☐ Adult Signature Required $ $1.40
- ☐ Adult Signature Restricted Delivery $

Postage $0.73

$

Total Postage and Fees

$

CEDAR PARK POSTAL SERVICE
JUL -3 2025
CEDAR PARK TX 78613

0613
26

Postmark Here

7/2/2025

Sent To Coupland WSC - Phil Grimley

Street and Apt. No., or PO Box No. P.O. Box 141

City, State, ZIP+4® Coupland, TX 78615

PS Form 3800, January 2023 PSN 7530-02-000-9047 See Reverse for Instructions

Coupland Water Supply Corporation
P O Box 141
Coupland, Texas 78615

July 7, 2025

Michael Bevilaqua
301 Denali Pass
Suite #3
Cedar Park, TX 78613

Re: Wastewater Service and New TPDES Permit Application for Terrell Timmermann Farms, LP

Mr. Bevilaqua,

Thank you for your inquiry letter of July 3, 2025 concerning wastewater service for Terrell Timmermann Farms, LP. Coupland Water Supply Corporation treatment plant does not have additional capacity to accommodate the flow of roughly 10 times what we are now permitted. In past discussion with Terrell Timmerman Farms' representative, we were advised they would have their own treatment plant. We have no plans, current or future, to increase our current capacity and, hence, we cannot provide the requested service to Terrell Timmermann Farms, LP.

Sincerely,

Phil Grimley
President