



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

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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

DOMESTIC WASTEWATER

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.

Blumberg 209, LLC (CN606278463) proposes to operate Hempstead 209 Wastewater Treatment Plant (RN111999140), an activated sludge process plant. The facility will be located at approximately 1 mile northeast of the intersection of HWY 6 and 290, in Hempstead, Waller County, Texas 77445.

This application is for a new application to discharge at a daily average flow of 250,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day biochemical oxygen demand (BOD₅), total suspended solids, ammonia nitrogen, and dissolved oxygen at or below the limits established by the TCEQ to maintain natural water quality. Domestic wastewater will be treated by an aeration/digester basin, a clarifier, and a chlorine contact chamber. .

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.

Blumberg 209, LLC (CN606278463) propone operar la Planta de Tratamiento de Aguas Residuales Hempstead 209 (RN111999140), una planta de proceso de lodos activados. La instalación estará ubicada aproximadamente a 1 milla al noreste de la intersección de HWY 6 y 290, en Hempstead, condado de Waller, Texas 77445.

Esta solicitud es para una nueva aplicación para descargar a un flujo promedio diario de 250,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan la demanda bioquímica de oxígeno (DBO5) de cinco días, sólidos suspendidos totales, nitrógeno amoniacal y oxígeno disuelto en o por debajo de los límites establecidos por la TCEQ para mantener la calidad natural del agua. Las aguas residuales domésticas serán tratadas mediante una balsa de aireación/digestor, un clarificador y una cámara de contacto de cloro.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PROPOSED PERMIT NO. WQ0016563001

APPLICATION. Blumberg 209, LLC, 3103 Amber Lane, Rosenberg, Texas 77471, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016563001 (EPA I.D. No. TX0146234) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 250,000 gallons per day. The domestic wastewater treatment facility will be located approximately one mile northeast of the intersection of State Highway 6 and U.S. Highway 290, near the city of Hempstead, in Waller County, Texas 77445. The discharge route will be from the plant site to a ditch, thence to a detention pond, thence to an unnamed tributary; thence to Clear Creek; thence to Brazos River Below Navasota River. TCEQ received this application on June 24, 2024. The permit application will be available for viewing and copying at Waller County Public Library, 2331 11th Street, Hempstead, in Waller 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=-96.0606,30.122233&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 Blumberg 209, LLC at the address stated above or by calling Mr. E. Levi Love, Jr., P.E., L Squared Engineering, at 936-647-0420.

Issuance Date: August 7, 2024

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. WQ0016563001

SOLICITUD. Blumberg 209, LLC, 3103 Amber Lane, Rosenberg, Texas 77471, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016563001 (EPA I.D. No. TX0146234) 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 250,000 galones por día. La planta estará ubicada aproximadamente una milla al noreste de la intersección de la autopista estatal 6 y la autopista estadounidense 290, cerca de la ciudad de Hempstead en el Condado de Waller, Texas 77445. La ruta de descarga es del sitio de la planta a desde el sitio de la planta hasta una zanja, de allí a un estanque de detención, de allí a un afluente sin nombre; de allí a Clear Creek; de allí al río Brazos debajo del río Navasota. La TCEQ recibió esta solicitud el June 24, 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Waller County Public Library, 2331 11th Street, Hempstead, en Waller County, 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=-96.0606,30.122233&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 periodos 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 mas de las listas correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante

indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue 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 Blumberg 209, LLC a la dirección indicada arriba o llamando a Mr. E. Levi Love, Jr., P.E., L Squared Engineering, al 936-647-0420.

Fecha de emisión el 7 de agosto de 2024



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: Blumberg 209, LLC

PERMIT NUMBER (If new, leave blank): WQ00 [Click to enter text.](#)

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

	Y	N		Y	N
Administrative Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original USGS Map Attachment C	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map Att K	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPIF Attachment 1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels Att K	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Core Data Form Attachment A	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map Attachment E	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public Involvement Plan Form B	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Flow Diagram Attachment G	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Site Drawing Attachment D	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original Photographs Att O	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Design Calculations Att H	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan Att I	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Balance	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

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 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input checked="" type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input type="checkbox"/>	\$1,615.00 <input type="checkbox"/>
≥1.0 MGD	\$2,050.00 <input type="checkbox"/>	\$2,015.00 <input type="checkbox"/>

Minor Amendment (for any flow) \$150.00 ☐

Payment Information:

Mailed Check/Money Order Number: [Click to enter text.](#)

Check/Money Order Amount: [Click to enter text.](#)

Name Printed on Check: [Click to enter text.](#)

EPAY Voucher Number: 709989 & 709990

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 Wastewater 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-Applcant 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?

Blumberg 209, LLC

(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: [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: Mr.

Last Name, First Name: Schumann, Jonathan

Title: Owner

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. Attachment 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: Schumann, Jonathan

Title: Owner

Credential: Click to enter text.

Organization Name: Blumberg 209, LLC

Mailing Address: 3103 Amber Ln

City, State, Zip Code: Rosenberg, TX 77471

Phone No.: (281)814-4465

E-mail Address: Js@val-west.com

Check one or both: ☒ Administrative Contact ☐ Technical Contact

B. Prefix: Mr.

Last Name, First Name: Love, E. Levi, Jr.

Title: Professional Engineer

Credential: P.E.

Organization Name: L Squared Engineering

Mailing Address: 3307 W Davis St, Suite 100 City, State, Zip Code: Conroe, TX 77304

Phone No.: (936)647-0420

E-mail Address: Levi@L2Engineering.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: Schumann, Jonathan

Title: Owner

Credential: Click to enter text.

Organization Name: Blumberg 209, LLC

Mailing Address: 3103 Amber Ln

City, State, Zip Code: Rosenberg, TX 77471

Phone No.: (281)814-4465

E-mail Address: Js@val-west.com

B. Prefix: Mr. Last Name, First Name: Love, E. Levi, Jr.
Title: Professional Engineer Credential: P.E.
Organization Name: L Squared Engineering
Mailing Address: 3307 W Davis St, Suite 100 City, State, Zip Code: Conroe, TX 77304
Phone No.: (936)647-0420 E-mail Address: Levi@L2Engineering.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: Schumann, Jonathan
Title: Owner Credential: Click to enter text.
Organization Name: Blumberg 209, LLC
Mailing Address: 3103 Amber Ln City, State, Zip Code: Rosenberg, TX 77471
Phone No.: (281)814-4465 E-mail Address: Js@val-west.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: Schumann, Jonathan
Title: Owner Credential: Click to enter text.
Organization Name: Blumberg 209, LLC
Mailing Address: 3103 Amber Ln City, State, Zip Code: Rosenberg, TX 77471
Phone No.: (281)814-4465 E-mail Address: Js@val-west.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Mr. Last Name, First Name: Love, E. Levi, Jr.
Title: Professional Engineer Credential: P.E.
Organization Name: L Squared Engineering
Mailing Address: 3307 W Davis St, Suite 100 City, State, Zip Code: Conroe, TX 77304
Phone No.: (936)647-0420 E-mail Address: Levi@L2Engineering.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: Love, E. Levi, Jr.

Title: Professional Engineer Credential: P.E.

Organization Name: L Squared Engineering

Mailing Address: 3307 W Davis St, Suite 100 City, State, Zip Code: Conroe, TX 77304

Phone No.: (936)647-0420 E-mail Address: Levi@L2Engineering.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: Waller County Public Library

Location within the building:

Physical Address of Building: 2331 11th St, Hempstead, TX 77445

City: Hempstead County: Waller

Contact Name:

Phone No.: (979)826-7658 Ext.:

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. Plain Language Summary Template

Complete the Plain Language Summary (TCEQ Form 20972) and include as an attachment.

Attachment: [Attachment 2](#)

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: B

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):

Hempstead 209 Wastewater Treatment Plant

C. Owner of treatment facility: Blumberg 209, LLC

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

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

Prefix: Mr.

Last Name, First Name: Schumann, Jonathan

Title: Owner

Credential: Click to enter text.

Organization Name: Blumberg 209, LLC

Mailing Address: 3103 Amber Ln

City, State, Zip Code: Rosenberg, TX 77471

Phone No.: (281)814-4465

E-mail Address: Js@val-west.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: N/A

E. Owner of effluent disposal site:

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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: N/A

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

Prefix: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Organization Name: N/A

Mailing Address: N/A

City, State, Zip Code: N/A

Phone No.: N/A

E-mail Address: N/A

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: N/A

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:

New Permit: The effluent disposal site is located approximately 1 mile northeast of the intersection of HWY 6 and 290.

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:

New Permit: The plant will discharge treated effluent to a ditch, thence through a detention pond, thence to an unnamed tributary of Clear Creek; thence to Clear Creek (Segment Number 1202Q).

City nearest the outfall(s): Hempstead, TX

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

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: N/A

- 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: N/A

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:

Not a TLAP

- B. City nearest the disposal site: N/A

- C. County in which the disposal site is located: N/A

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

N/A

- E. For **TLAPs**, please identify the nearest watercourse to the disposal site to which rainfall runoff might flow if not contained: N/A

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.

Sludge will be hauled off TBD.

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: [Attachment 1 \(SPIF\) & Attachment 2 \(Plain Language Summary\)](#)

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: Blumberg 209, LLC

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): Jonathan Schumann

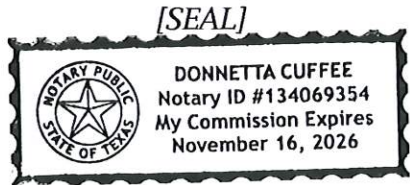
Signatory title: Manager

Signature:  Date: 6-11-24
(Use blue ink)

Subscribed and Sworn to before me by the said Jonathan Schumann
on this 11 day of June, 2024.
My commission expires on the 16th day of November, 2026.


Notary Public

Fort Bend
County, Texas



Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

Transaction Information

Voucher Number: 709989
Trace Number: 582EA000614617
Date: 06/18/2024 03:55 PM
Payment Method: CC - Authorization 000005355G
Voucher Amount: \$1,200.00
Fee Type: WW PERMIT - FACILITY WITH FLOW >= .25 & < .50 MGD - NEW AND MAJOR AMENDMENTS
ePay Actor: JERRY BARNES
Actor Email: jbarnes@l2engineering.com
IP: 24.32.135.66

Payment Contact Information

Name: EARL L LOVE JR
Company: L SQUARED ENGINEERING
Address: 3307 WEST DAVIS STREET, CONROE, TX 77304
Phone: 936-647-0420

Site Information

Site Name: HEMPSTEAD 209 WASTEWATER TREATMENT PLANT
Site Location: 1 MILE NORTHEAST OF THE INTERSECTION OF HWY 6 AND 290 HEMPSTEAD WALLER COUNTY
TX

Customer Information

Customer Name: BLUMBERG 209 LLC
Customer Address: 3103 AMBER LN, ROSENBERG, TX 77471

[Close](#)

Print this voucher for your records. If you are sending the TCEQ hardcopy documents related to this payment, include a copy of this voucher.

Transaction Information

Voucher Number: 709990
Trace Number: 582EA000614617
Date: 06/18/2024 03:55 PM
Payment Method: CC - Authorization 000005355G
Voucher Amount: \$50.00
Fee Type: 30 TAC 305.53B WQ NOTIFICATION FEE
ePay Actor: JERRY BARNES
Actor Email: jbarnes@l2engineering.com
IP: 24.32.135.66

Payment Contact Information

Name: EARL L LOVE JR
Company: L SQUARED ENGINEERING
Address: 3307 WEST DAVIS STREET, CONROE, TX 77304
Phone: 936-647-0420

[Close](#)

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
 - ☐ N/A 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
 - ☐ N/A 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
 - ☐ N/A The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ N/A 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
 - ☐ N/A 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 in which format the landowners list is submitted:
- ☒ USB Drive ☐ Four sets of labels
- D. Provide the source of the landowners' names and mailing addresses: Waller 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.
- ☐ N/A 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: [Attachment 1](#)

WATER QUALITY PERMIT

PAYMENT SUBMITTAL FORM

Use this form to submit the Application Fee, if the mailing the payment.

- Complete items 1 through 5 below.
- Staple the check or money order in the space provided at the bottom of this document.
- **Do Not mail this form with the application form.**
- Do not mail this form to the same address as the application.
- Do not submit a copy of the application with this form as it could cause duplicate permit entries.

Mail this form and the check or money order to:

BY REGULAR U.S. MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
P.O. Box 13088
Austin, Texas 78711-3088

BY OVERNIGHT/EXPRESS MAIL

Texas Commission on Environmental Quality
Financial Administration Division
Cashier's Office, MC-214
12100 Park 35 Circle
Austin, Texas 78753

Fee Code: WQP **Waste Permit No:** [Click to enter text.](#)

1. Check or Money Order Number: [Click to enter text.](#)
2. Check or Money Order Amount: [Click to enter text.](#)
3. Date of Check or Money Order: [Click to enter text.](#)
4. Name on Check or Money Order: [Click to enter text.](#)
5. APPLICATION INFORMATION

Name of Project or Site: Hempstead 209 Wastewater Treatment Plant

Physical Address of Project or Site: Approximately 1 mile Northeast of the intersection of HWY 6 and 290. Hempstead, Waller County, TX

If the check is for more than one application, attach a list which includes the name of each Project or Site (RE) and Physical Address, exactly as provided on the application.

Staple Check or Money Order in This Space

ATTACHMENT 1

INDIVIDUAL INFORMATION

Section 1. Individual Information (Instructions Page 41)

Complete this attachment if the facility applicant or co-applicant is an individual. Make additional copies of this attachment if both are individuals.

Prefix (Mr., Ms., Miss): [Click to enter text.](#)

Full legal name (Last Name, First Name, Middle Initial): [Click to enter text.](#)

Driver's License or State Identification Number: [Click to enter text.](#)

Date of Birth: [Click to enter text.](#)

Mailing Address: [Click to enter text.](#)

City, State, and Zip Code: [Click to enter text.](#)

Phone Number: [Click to enter text.](#) Fax Number: [Click to enter text.](#)

E-mail Address: [Click to enter text.](#)

CN: [Click to enter text.](#)

For Commission Use Only:

Customer Number:

Regulated Entity Number:

Permit Number:

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

Landowners Labels or USB Drive attached ☐ N/A ☒ Yes
(See instructions for landowner requirements)

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)

Plain Language Summary ☒ Yes

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: Blumberg 209, LLC

Permit No. WQ00 _____

EPA ID No. TX _____

Address of the project (or a location description that includes street/highway, city/vicinity, and county):

The site is located approximately 1 mile northeast of the intersection of HWY 6 and 290, Hempstead, Waller County, Texas 77445.

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: E. Levi Love, Jr.

Credential (P.E, P.G., Ph.D., etc.): P.E.

Title: Professional Engineer

Mailing Address: 3307 W Davis St, Suite 100

City, State, Zip Code: Conroe, TX 77304

Phone No.: (936)647-0420 Ext.: Fax No.:

E-mail Address: Levi@L2Engineering.com

2. List the county in which the facility is located: Waller
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

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.

The plant will discharge treated effluent to a ditch, thence through a detention pond, thence to an unnamed tributary of Clear Creek; thence to Clear Creek (Segment Number 1202Q).

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):

N/A

2. Describe existing disturbances, vegetation, and land use:

The current use is cattle grazing land and forest.

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:

Phase I - Construction begins January 2026 and ends December 2026, Phase II Construction Begins January 2028 and ends December 2028, Phase III Construction begins January 2030 and ends December 2030.

4. Provide a brief history of the property, and name of the architect/builder, if known.

The property covers 209 acres and includes a creek and several ponds. Blumberg Road provides access. The land is mostly forested and currently vacant.



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

PLAIN LANGUAGE SUMMARY FOR TPDES OR TLAP PERMIT APPLICATIONS

Plain Language Summary Template and Instructions for Texas Pollutant Discharge Elimination System (TPDES) and Texas Land Application (TLAP) Permit Applications

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

DOMESTIC WASTEWATER

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.

Blumberg 209, LLC (CN_____) proposes to operate Hempstead 209 Wastewater Treatment Plant (RN_____), an activated sludge process plant. The facility will be located at approximately 1 mile northeast of the intersection of HWY 6 and 290, in Hempstead, Waller County, Texas 77445.

This application is for a new application to discharge at a daily average flow of 250,000 gallons per day of treated domestic wastewater.

Discharges from the facility are expected to contain five-day biochemical oxygen demand (BOD₅), total suspended solids, ammonia nitrogen, and dissolved oxygen at or below the limits established by the TCEQ to maintain natural water quality. Domestic wastewater will be treated by an aeration/digester basin, a clarifier, and a chlorine contact chamber. .

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.

Blumberg 209, LLC (CN_____) propone operar la Planta de Tratamiento de Aguas Residuales Hempstead 209 (RN_____), una planta de proceso de lodos activados. La instalación estará ubicada aproximadamente a 1 milla al noreste de la intersección de HWY 6 y 290, en Hempstead, condado de Waller, Texas 77445.

Esta solicitud es para una nueva aplicación para descargar a un flujo promedio diario de 250,000 galones por día de aguas residuales domésticas tratadas.

Se espera que las descargas de la instalación contengan la demanda bioquímica de oxígeno (DBO5) de cinco días, sólidos suspendidos totales, nitrógeno amoniacal y oxígeno disuelto en o por debajo de los límites establecidos por la TCEQ para mantener la calidad natural del agua. Las aguas residuales domésticas serán tratadas mediante una balsa de aireación/digestor, un clarificador y una cámara de contacto de cloro.



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 43)

A. Existing/Interim I Phase

Design Flow (MGD): 0.0625

2-Hr Peak Flow (MGD): 0.25

Estimated construction start date: January 2026

Estimated waste disposal start date: December 2026

B. Interim II Phase

Design Flow (MGD): 0.0625

2-Hr Peak Flow (MGD): 0.25

Estimated construction start date: January 2028

Estimated waste disposal start date: December 2028

C. Final Phase

Design Flow (MGD): 0.125

2-Hr Peak Flow (MGD): 0.5

Estimated construction start date: January 2030

Estimated waste disposal start date: December 2030

D. Current Operating Phase: N/A

Provide the startup date of the facility: N/A

Section 2. Treatment Process (Instructions Page 43)

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 G

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 F		

C. Process Flow Diagram

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

Attachment: See Attachment G

Section 3. Site Information and Drawing (Instructions Page 44)

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

- Latitude: 30°07'17.9"N
- Longitude: 96°03'33.4"W

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

- Latitude: N/A
- Longitude: N/A

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: See Attachment D

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

Hempstead 209 Acres

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
Hempstead 209 Acres Phase I Collection System	Blumberg 209, LLC	Privately Owned	822
Hempstead 209 Acres Phase II Collection System	Blumberg 209, LLC	Privately Owned	822
Hempstead 209 Acres Phase III Collection System	Blumberg 209, LLC	Privately Owned	822
		Choose an item.	

Section 4. Unbuilt Phases (Instructions Page 45)

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.**

N/A

Section 5. Closure Plans (Instructions Page 45)

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.

N/A

Section 6. Permit Specific Requirements (Instructions Page 45)

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.**

N/A

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.

Buffer zone is provided to all sides of the plant and is plet;y within the owner's property.

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*.

N/A

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.

N/A

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.

N/A

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.

N/A

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 N/A or TXRNE N/A

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:

N/A

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.

N/A

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.

N/A

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.

N/A

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 BOD₅ concentration of the sludge, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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 BOD₅ concentration of the septic waste, and the design BOD₅ concentration of the influent from the collection system. Also note if this information has or has not changed since the last permit action.

N/A

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.

N/A

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 50)

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). **Water 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					
<i>E.coli</i> (CFU/100ml) freshwater					
Enterococci (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 50)

Facility Operator Name: TBD

Facility Operator's License Classification and Level: TBD

Facility Operator's License Number: TBD

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 51)

A. WWTP's Biosolids Management Facility Type

Check all that apply. See instructions for guidance

- ☐ Design flow \geq 1 MGD
- ☐ Serves \geq 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 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. Biosolids Management

Provide information on the *intended* biosolids management practice. Do not enter every management practice that you want authorized in the permit, as the permit will authorize all 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	3		Option 1: Volatile solids reduced by 38%
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: [TBD](#)

TCEQ permit or registration number: [TBD](#)

County where disposal site is located: [TBD](#)

E. Transportation method

Method of transportation (truck, train, pipe, other): [TBD](#)

Name of the hauler: [TBD](#)

Hauler registration number: [TBD](#)

Sludge is transported as a:

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

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 53)

A. Beneficial use authorization

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

☐ Yes ☒ No

If **yes**, are you requesting to continue this authorization to land apply sewage sludge 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	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Marketing and Distribution of sludge	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Sludge Surface Disposal or Sludge Monofill	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Temporary storage in sludge lagoons	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> 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: N/A

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:

N/A

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 1×10^{-7} cm/sec?

☐ Yes ☐ No

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

N/A

D. Site development plan

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

N/A

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 55)

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:

N/A

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:

N/A

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: N/A

Section 14. Laboratory Accreditation (Instructions Page 56)

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: N/A

Title: N/A

Signature: _____

Date: _____

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 57)

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.

Due to the overall phasing and growth planned, all phases will need to be completed according to Attachment L. The completion dates for each phase can be found on page 1 of Domestic Technical Report 1.0.

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: [Attachment P](#)

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: [Attachment P](#)

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: [N/A](#)

Section 2. Proposed Organic Loading (Instructions Page 59)

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 BOD₅ Concentration in mg/l: [Click to enter text.](#)

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34): [Click to enter text.](#)

Provide the source of the average organic strength or BOD₅ 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		
Subdivision	0.25	300
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		
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources		
AVERAGE BOD ₅ from all sources		

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 59)

A. Existing/Interim I Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 2

Other: N/A

B. Interim II Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 2

Other: N/A

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: 10

Total Suspended Solids, mg/l: 15

Ammonia Nitrogen, mg/l: 3

Total Phosphorus, mg/l: N/A

Dissolved Oxygen, mg/l: 2

Other: N/A

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 59)

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

Attachment: [See attachment H](#)

Section 5. Facility Site (Instructions Page 60)

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.

N/A

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

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: [Attachment J](#)

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

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 61)

Attach a solids management plan to the application.

Attachment: [Attachment I](#)

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 64)

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 to 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 64)

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).

N/A

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).

N/A

Section 3. Classified Segments (Instructions Page 64)

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 65)

Name of the immediate receiving waters: Unnamed tributary Clear 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: Click to enter text.

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: Click to enter text.

C. Downstream perennial confluences

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

Clear Creek

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 3 miles downstream goes from a man-made drainage way to a detention pond (future) and then to Clear Creek.

E. Normal dry weather characteristics

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

The immediate downstream waterbody (man-made drainage way) is dry during dry weather.

Date and time of observation: May 15, 2024

Was the water body influenced by stormwater runoff during observations?

☒ Yes ☐ No

Section 5. General Characteristics of the Waterbody (Instructions Page 66)

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.

- | | |
|---|---|
| <input type="checkbox"/> Oil field activities | <input type="checkbox"/> Urban runoff |
| <input type="checkbox"/> Upstream discharges | <input checked="" type="checkbox"/> Agricultural runoff |
| <input type="checkbox"/> Septic tanks | <input type="checkbox"/> Other(s), specify: <u>Click to enter text.</u> |

B. Waterbody uses

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

- | | |
|--|--|
| <input checked="" type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input checked="" type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |
| <input type="checkbox"/> Domestic water supply | <input type="checkbox"/> Industrial water supply |
| <input type="checkbox"/> Park activities | <input type="checkbox"/> Other(s), specify: Click to enter text. |

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 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.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)		3. Regulated Entity Reference Number (if issued)
CN		RN

[Follow this link to search for CN or RN numbers in Central Registry**](#)

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership				
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)				
<i>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).</i>				
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)			<i>If new Customer, enter previous Customer below:</i>	
Blumberg 209, LLC				
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)
805480304		32094382333		99-2190428
10. DUNS Number (if applicable)				
11. Type of Customer:		<input type="checkbox"/> Corporation <input type="checkbox"/> Individual <input type="checkbox"/> Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited		
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input checked="" type="checkbox"/> Other: Texas LLC		
12. Number of Employees			13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following				
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:				
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant				
15. Mailing Address:		3103 Amber Ln		
City		Rosenberg	State	TX
ZIP		77471	ZIP + 4	
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)	
			js@val-west.com	

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(281) 814-4465		() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)								
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>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).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
Hempstead 209 Wastewater Treatment Plant								
23. Street Address of the Regulated Entity: (No PO Boxes)								
	City		State		ZIP		ZIP + 4	
24. County								

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

25. Description to Physical Location:	From US 290 W, exit onto HWY 6 N/TX-6 N toward College Station/ Bryan in 0.9 miles turn right onto Blumberg road and continue North on Blumberg for 1 mile.							
26. Nearest City					State	Nearest ZIP Code		
Hempstead					TX	77445		
<i>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).</i>								
27. Latitude (N) In Decimal:	30.122233				28. Longitude (W) In Decimal:	-96.060607		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
30	7	18.7	96	3	33.7			
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)			
6532	6552		531390		237210			
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Real Estate								
34. Mailing Address:	3103 Amber Ln							
	City	Rosenburg	State	TX	ZIP	77471	ZIP + 4	
35. E-Mail Address:	JS@val-west.com							
36. Telephone Number	37. Extension or Code				38. Fax Number (if applicable)			
(281) 814-4465					() -			

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.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	E. Levi Love Jr.	41. Title:	Professional Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(936) 647-0420		() -	Levi@L2Engineering.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:	Blumberg 209, LLC	Job Title:	Owner/Operator
Name (In Print):	Jonathan Schumann	Phone:	(281) 814- 4465
Signature:		Date:	6/10/24

Attachment B – 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, completion of the form is not required and does not need to be submitted.

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 the above boxes are not checked, a Public Involvement Plan is not necessary.
Stop after Section 2 and submit the form.**

Public Involvement Plan not applicable to this application. Provide **brief** explanation.

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 Scrap Tire
 Radioactive Material Licensing Underground Injection Control

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)

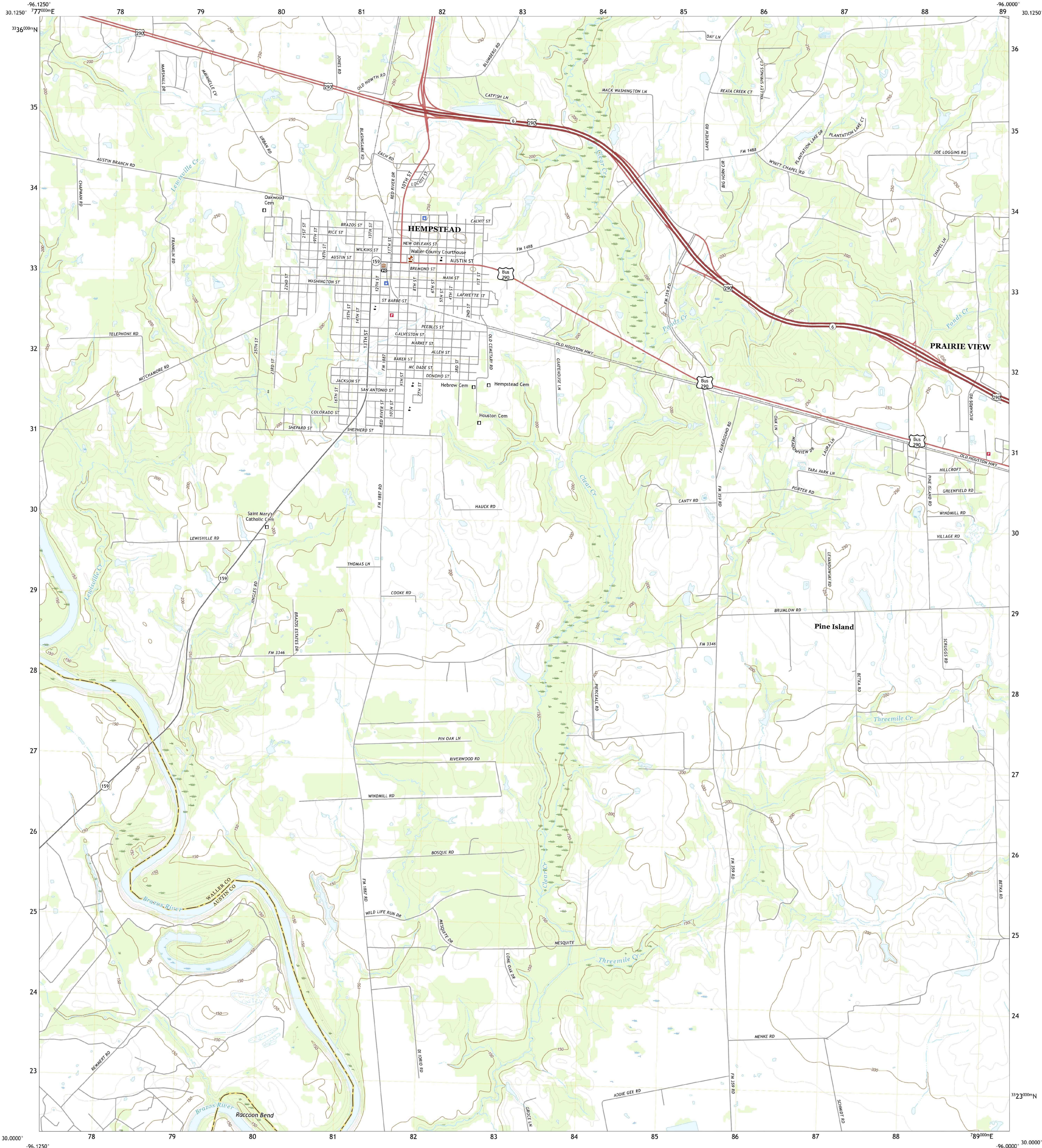
Attachment C – USGS Maps



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



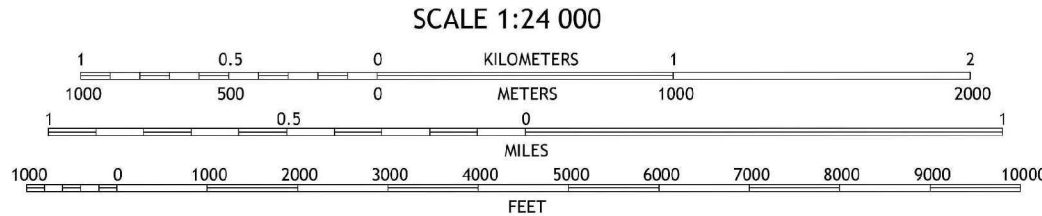
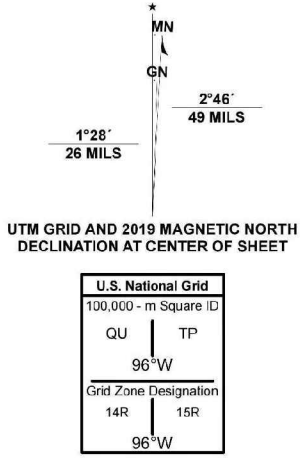
HEMPSTEAD QUADRANGLE
TEXAS
7.5-MINUTE SERIES



L SQUARED ENGINEERING

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 with 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.....GNS, 1979 - 2021
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2004
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available



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.



1	2	3	1 Daniels
4	5	2 Howth	
6	7	3 Waller NW	
		4 Buckhorn	
		5 Waller	
		6 Bartlett	
		7 Sunny Side	
		8 Hockey Mound	

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

HEMPSTEAD, TX
2022



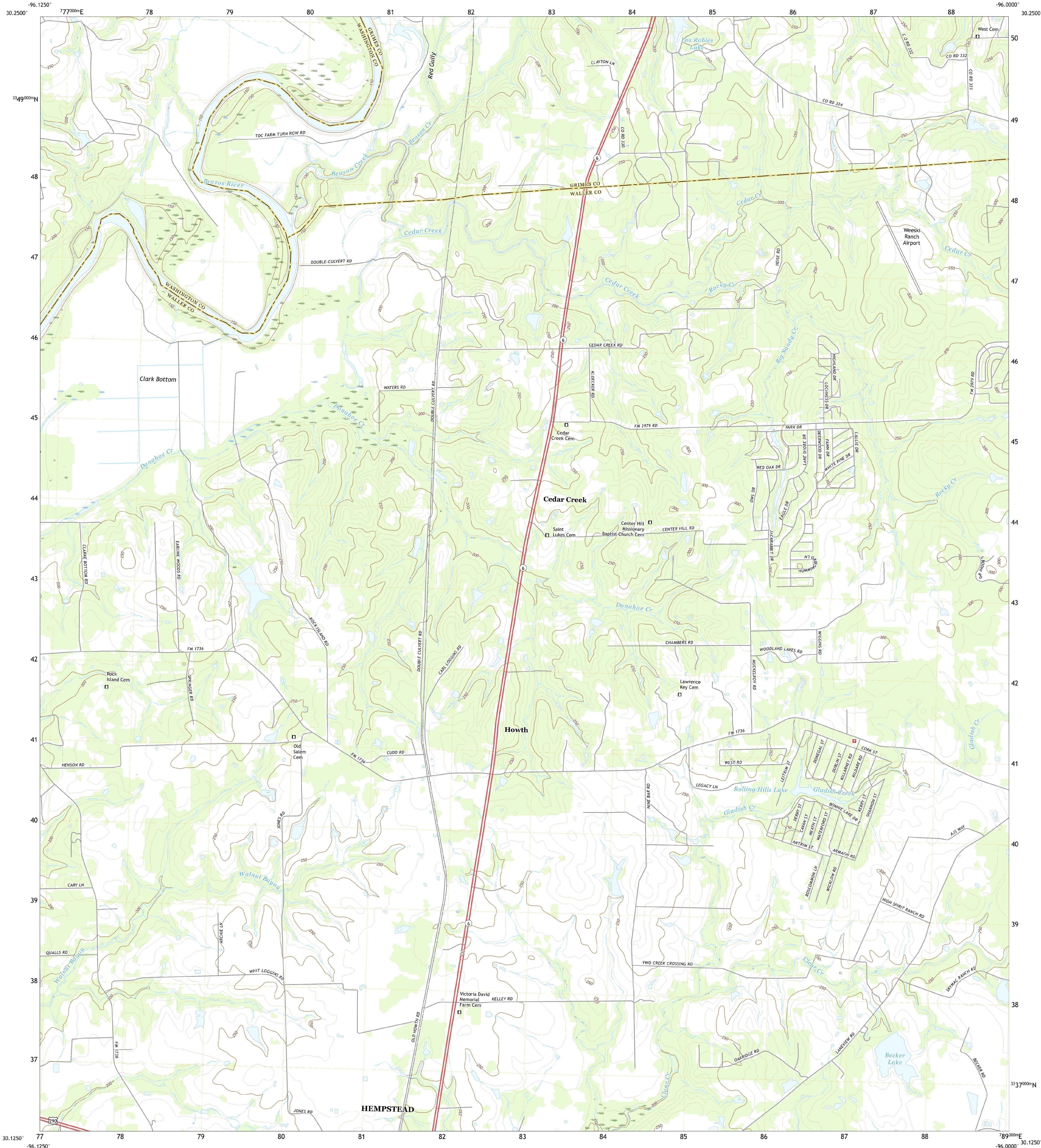
NSA REF NO. U.S. G.S. 24 K 2 0 0 6 6



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



HOWTH QUADRANGLE
TEXAS
7.5-MINUTE SERIES

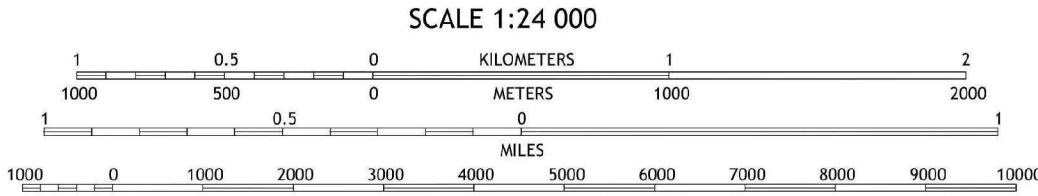
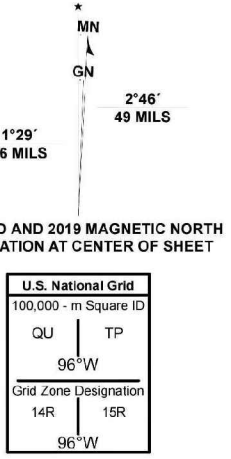


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Produced by the United States Geological Survey

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 - 2019
Names.....GAS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2004
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available



1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

1 Washington
2 Courtney
3 Stoneham
4 Daniels
5 Waller NW
6 Buckhorn
7 Hempstead
8 Waller

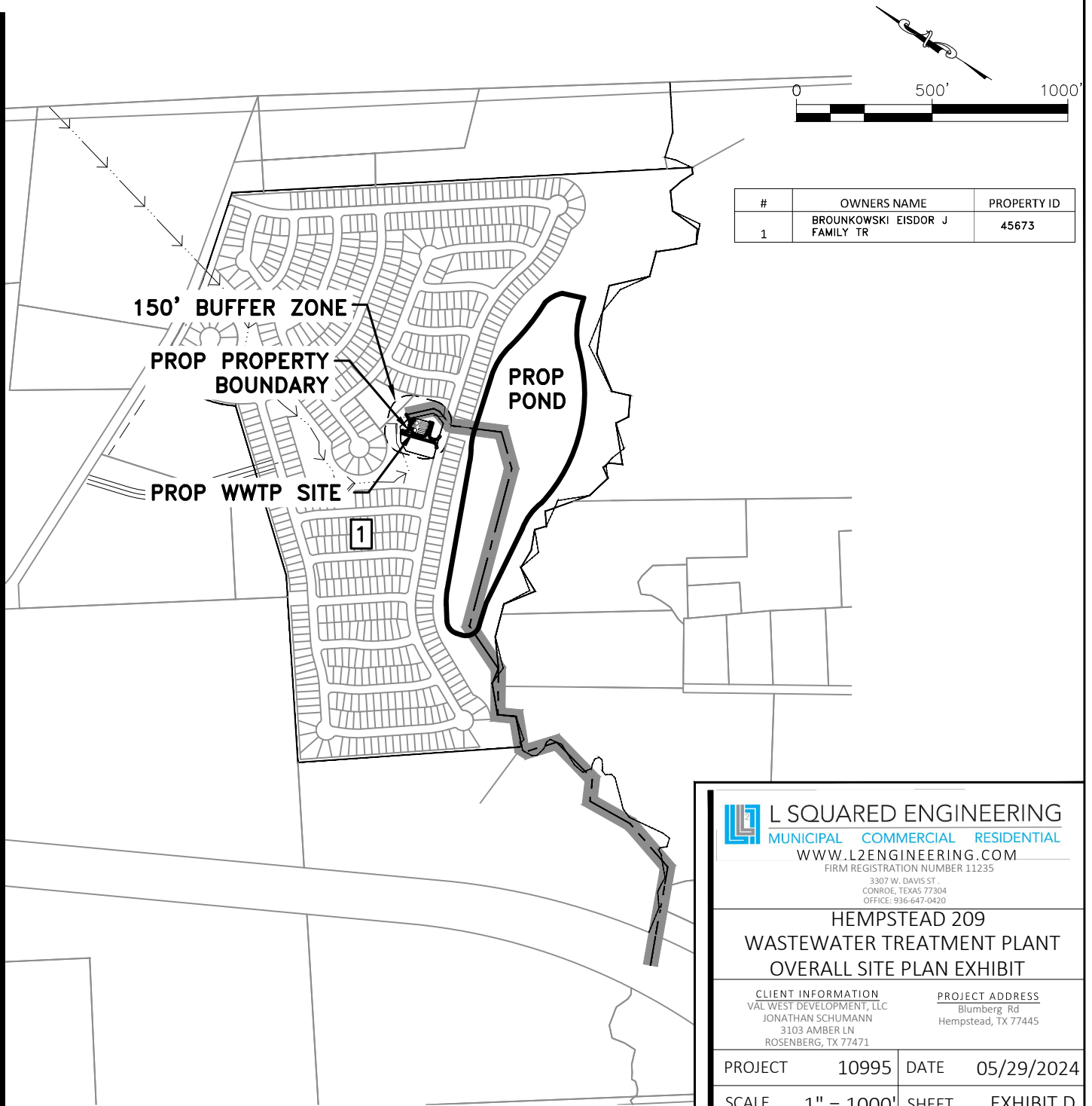


HOWTH, TX
2022



Attachment D – Site Drawings

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WWW.L2ENGINEERING.COM
FIRM REGISTRATION NUMBER 11235

3307 W. DAVIS ST.
CONROE, TEXAS 77304
OFFICE: 936-647-0420

**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
OVERALL SITE PLAN EXHIBIT**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT 10995 DATE 05/29/2024

SCALE 1" = 1000' SHEET EXHIBIT D

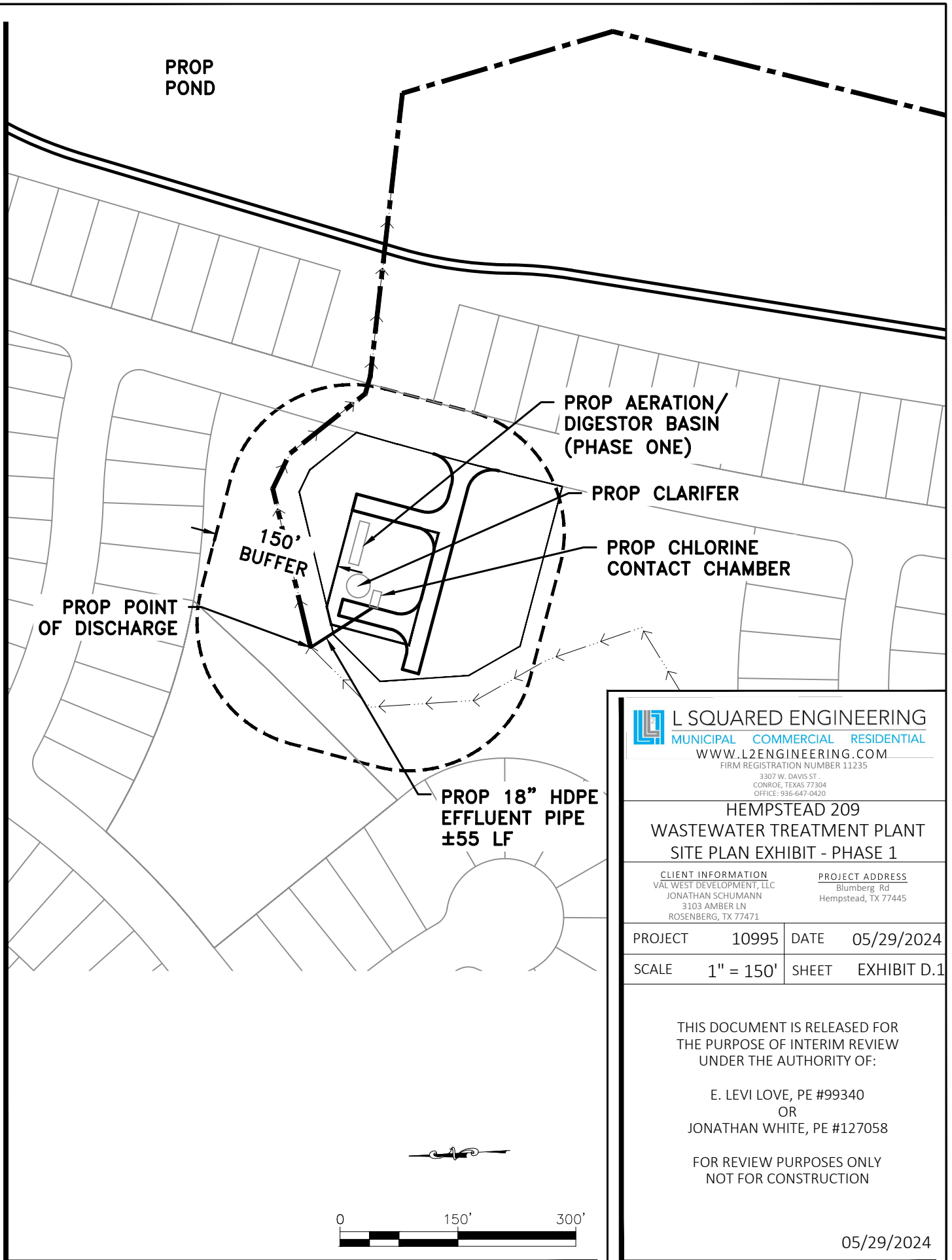
THIS DOCUMENT IS RELEASED FOR
THE PURPOSE OF INTERIM REVIEW
UNDER THE AUTHORITY OF:

E. LEVI LOVE, PE #99340
OR
JONATHAN WHITE, PE #127058

FOR REVIEW PURPOSES ONLY
NOT FOR CONSTRUCTION

05/29/2024

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MUNICIPAL COMMERCIAL RESIDENTIAL

WWW.L2ENGINEERING.COM

FIRM REGISTRATION NUMBER 11235

3307 W. DAVIS ST.
CONROE, TEXAS 77304
OFFICE: 936-647-0420

**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
SITE PLAN EXHIBIT - PHASE 1**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT	10995	DATE	05/29/2024
SCALE	1" = 150'	SHEET	EXHIBIT D.1

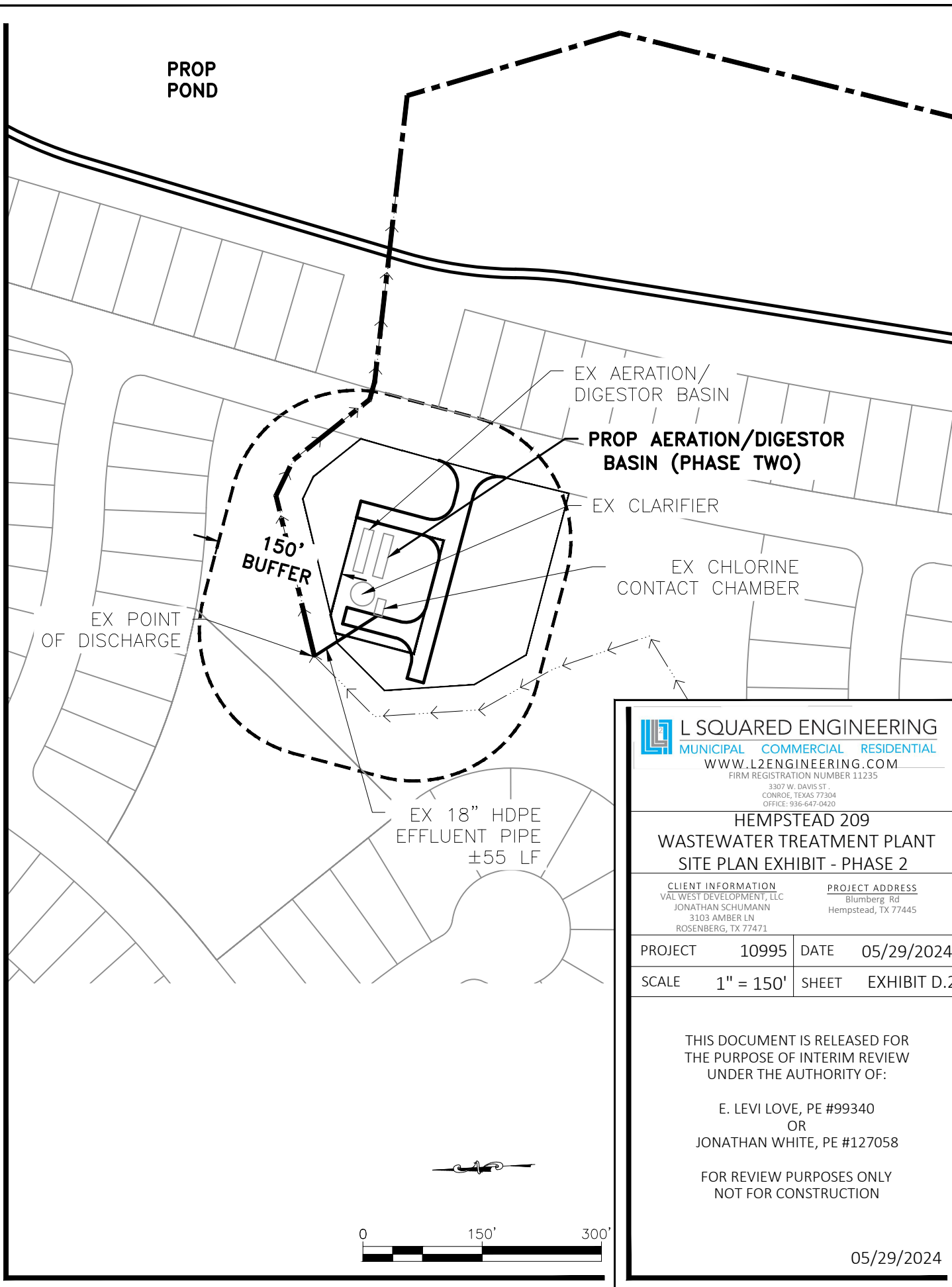
THIS DOCUMENT IS RELEASED FOR
THE PURPOSE OF INTERIM REVIEW
UNDER THE AUTHORITY OF:

E. LEVI LOVE, PE #99340
OR
JONATHAN WHITE, PE #127058

FOR REVIEW PURPOSES ONLY
NOT FOR CONSTRUCTION

05/29/2024

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WWW.L2ENGINEERING.COM

FIRM REGISTRATION NUMBER 11235

3307 W. DAVIS ST.
CONROE, TEXAS 77304
OFFICE: 936-647-0420

**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
SITE PLAN EXHIBIT - PHASE 2**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT	10995	DATE	05/29/2024
SCALE	1" = 150'	SHEET	EXHIBIT D.2

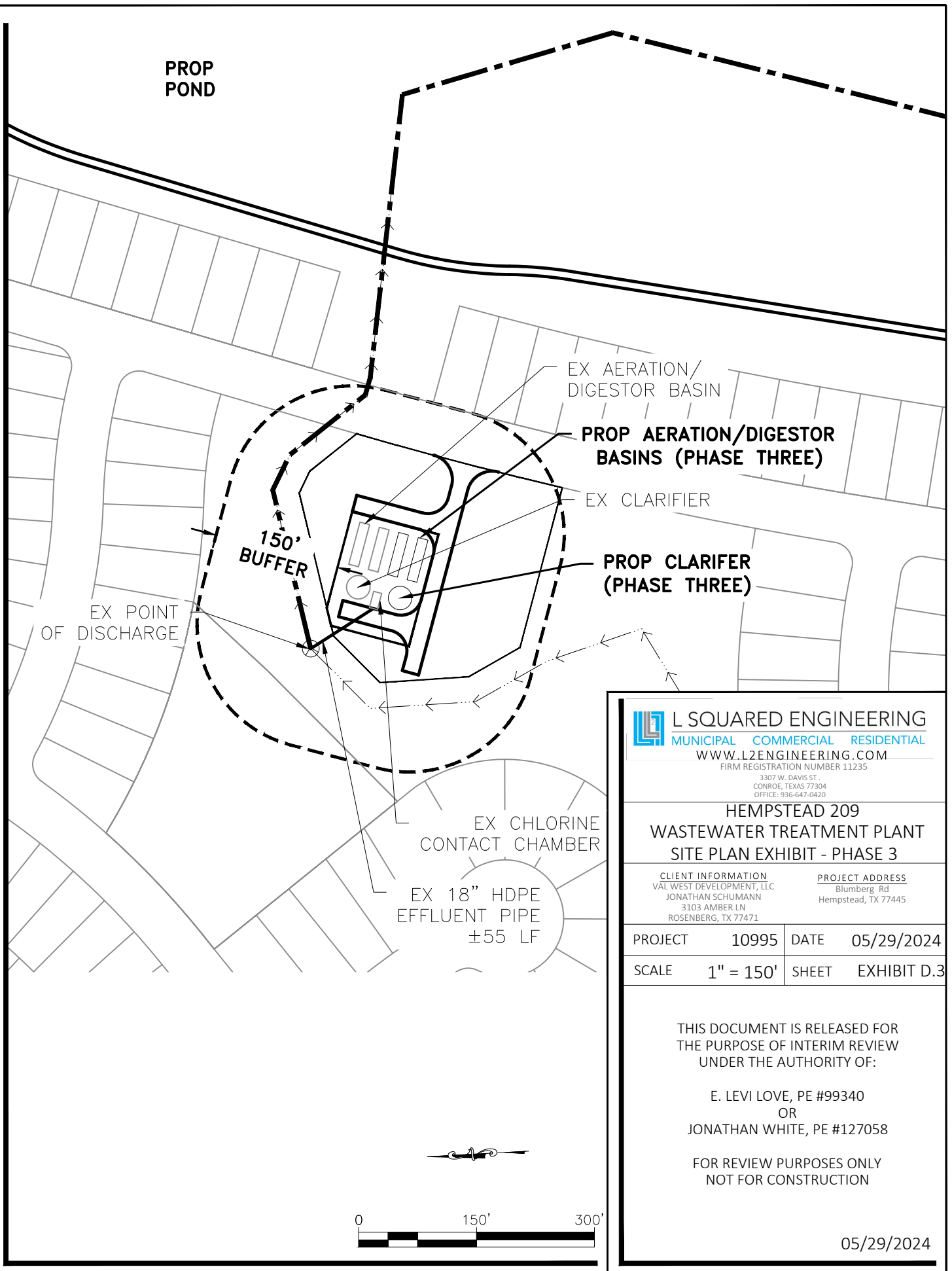
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THE PURPOSE OF INTERIM REVIEW
UNDER THE AUTHORITY OF:

E. LEVI LOVE, PE #99340
OR
JONATHAN WHITE, PE #127058

FOR REVIEW PURPOSES ONLY
NOT FOR CONSTRUCTION

05/29/2024

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**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
SITE PLAN EXHIBIT - PHASE 3**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT	10995	DATE	05/29/2024
SCALE	1" = 150'	SHEET	EXHIBIT D.3

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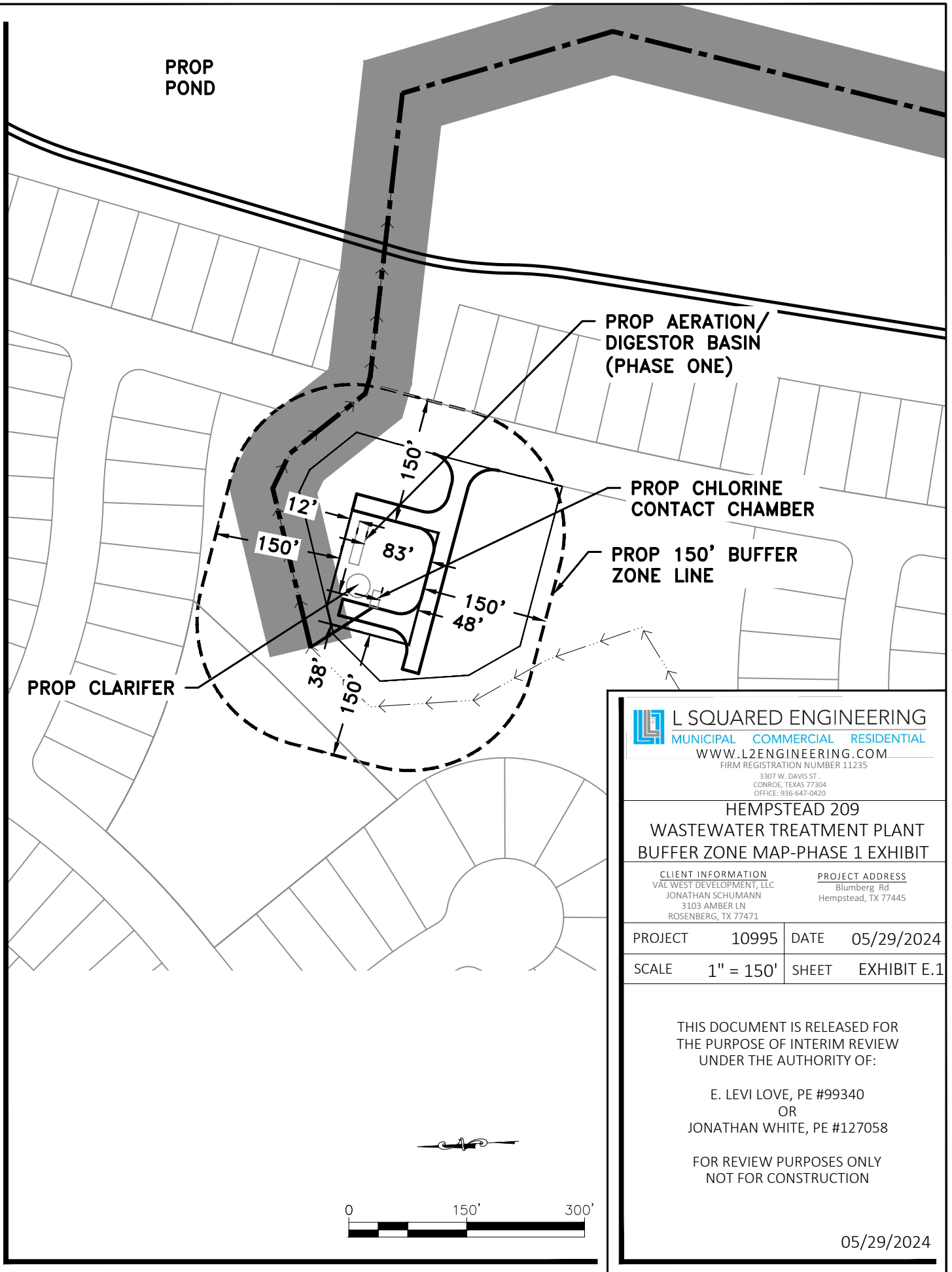
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OR
JONATHAN WHITE, PE #127058

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Attachment E – Buffer Zone Maps

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**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
BUFFER ZONE MAP-PHASE 1 EXHIBIT**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT	10995	DATE	05/29/2024
SCALE	1" = 150'	SHEET	EXHIBIT E.1

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PROP
POND

EX AERATION/
DIGESTOR BASIN
(PHASE ONE)

PROP AERATION/
DIGESTOR
BASIN (PHASE TWO)

EX 150' BUFFER
ZONE LINE

EX CHLORINE
CONTACT CHAMBER

EX CLARIFIER

0 150' 300'

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**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
BUFFER ZONE MAP-PHASE 2 EXHIBIT**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT	10995	DATE	05/29/2024
SCALE	1" = 150'	SHEET	EXHIBIT E.2

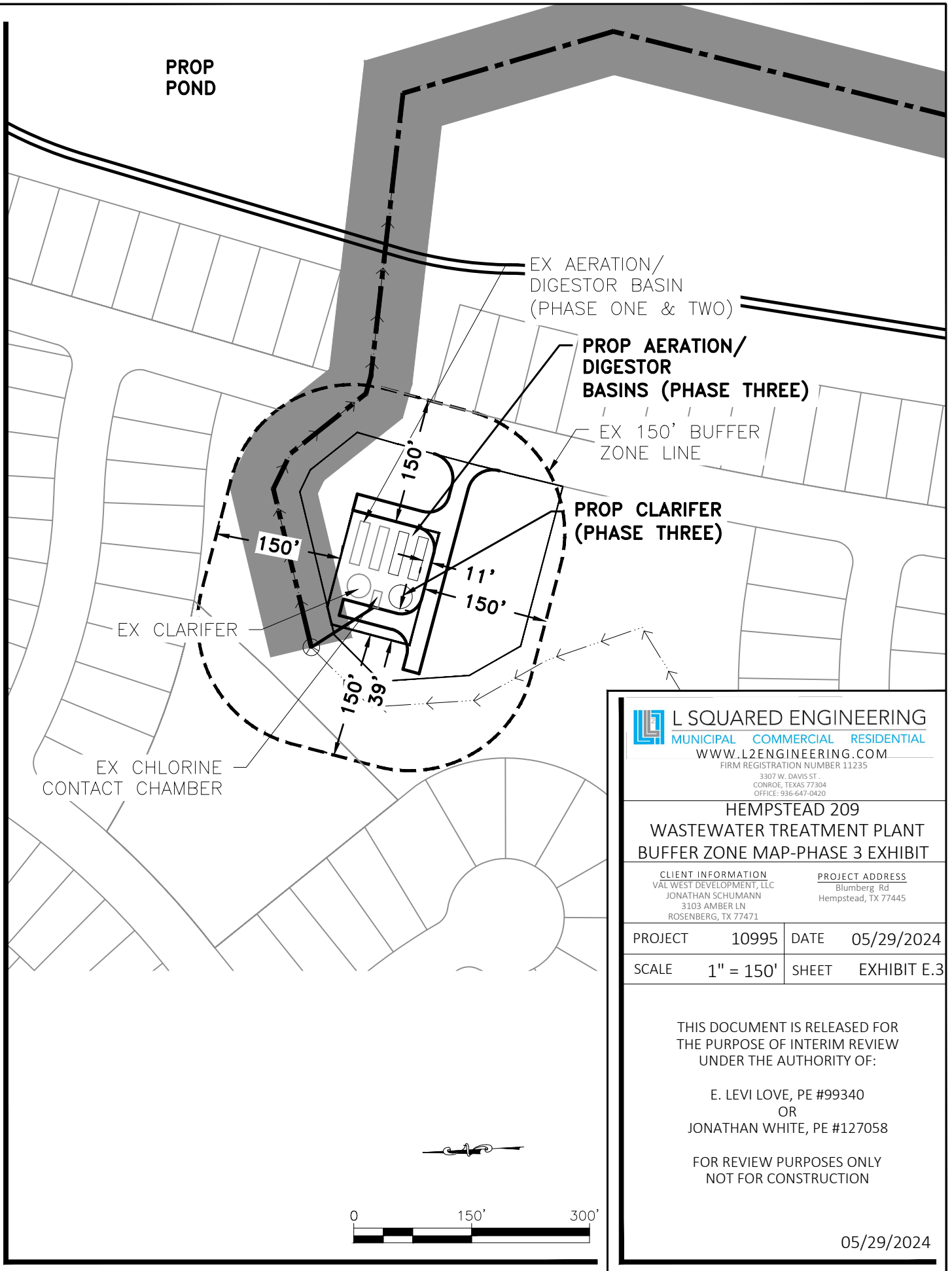
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**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
BUFFER ZONE MAP-PHASE 3 EXHIBIT**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT	10995	DATE	05/29/2024
SCALE	1" = 150'	SHEET	EXHIBIT E.3

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Attachment F – Facility Dimensions & Facility Features

Facility Dimensions & Facility Features

The facility will employ the complete mix variation of the activated sludge process designed for single stage nitrification - From the lift station the wastewater will travel through a coarse barscreen then to the complete mix basin; from the basin the mix-liquor will be transferred to the clarifier where solids will be settled out and clear water will flow over the weirs then into the chlorine contact basin. The settled solids will either be transferred to the digester or returned to the headworks.

Phase I – 0.0625MGD

<u>Unit</u>	<u>Length</u>	<u>Width</u>	<u>Height</u>
Clarifier		28' Dia.	10'
Chlorine Contact	1,857 CUFT		
Aeration	32'	12'	12'
Digester	20'	12'	12'

Phase II – 0.0625MGD

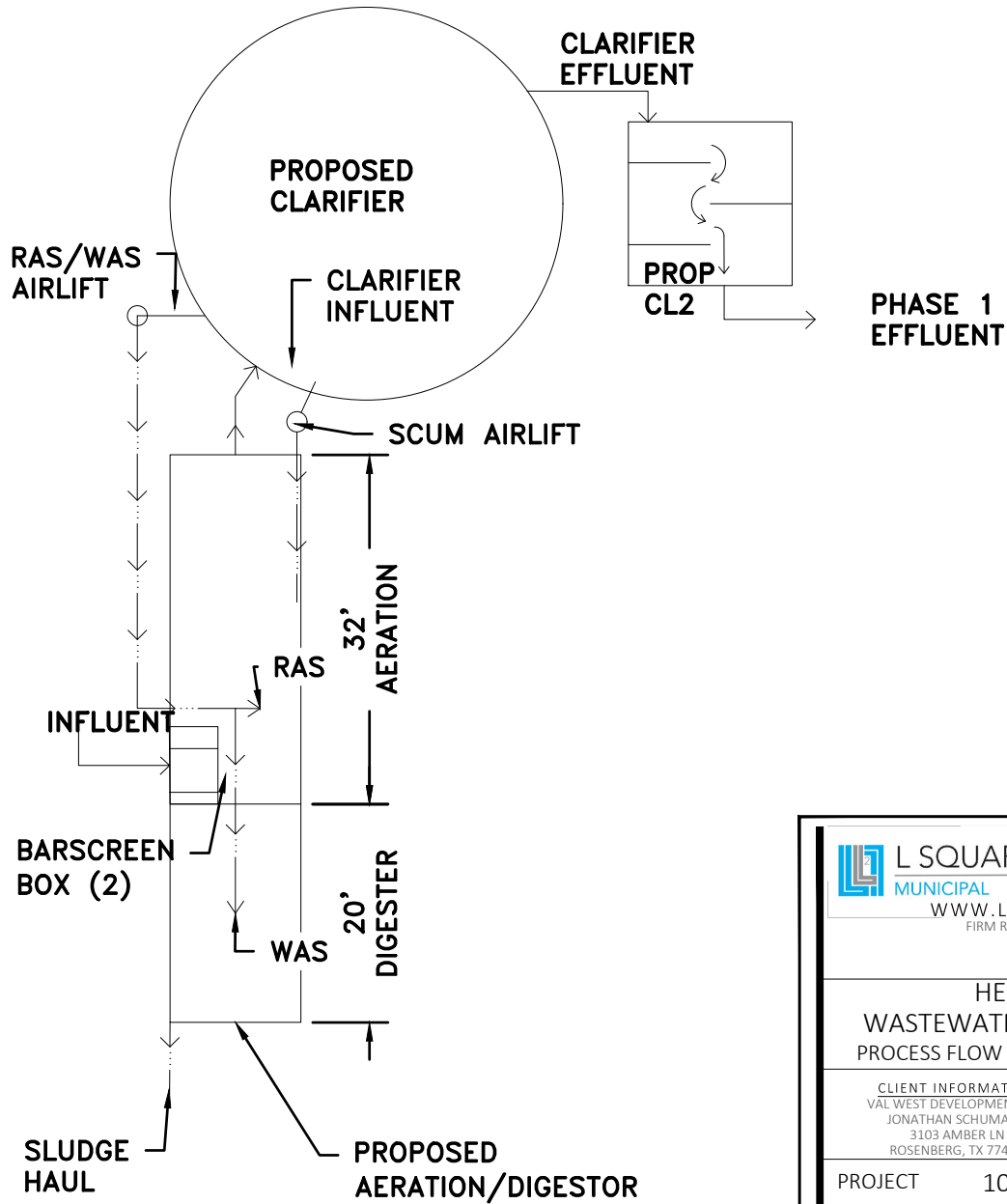
<u>Unit</u>	<u>Length</u>	<u>Width</u>	<u>Height</u>
Aeration	32'	12'	12'
Digester	20'	12'	12'

Phase III – 0.125MGD

<u>Unit</u>	<u>Length</u>	<u>Width</u>	<u>Height</u>
Clarifier		28' Dia.	10'
Aeration 2 @	32'	12'	12'
Digester 2 @	20'	12'	12'

- For short power outages the sewage will be contained in the collection system. The plant features digesters, chlorinator, and stand-by blowers. The plant is to be maintained and operated by personnel licensed by the State of Texas.
- The plant is designed to be maintained without bypassing. Replacement or repair of the interior coating system is the only maintenance item that would necessitate bypassing and the epoxy system should last 25-30 years.
- An intruder resistant fence will be placed around the facility.

Attachment G – Process Flow Diagram



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**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
PROCESS FLOW DIAGRAM DETAIL PHASE -1**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

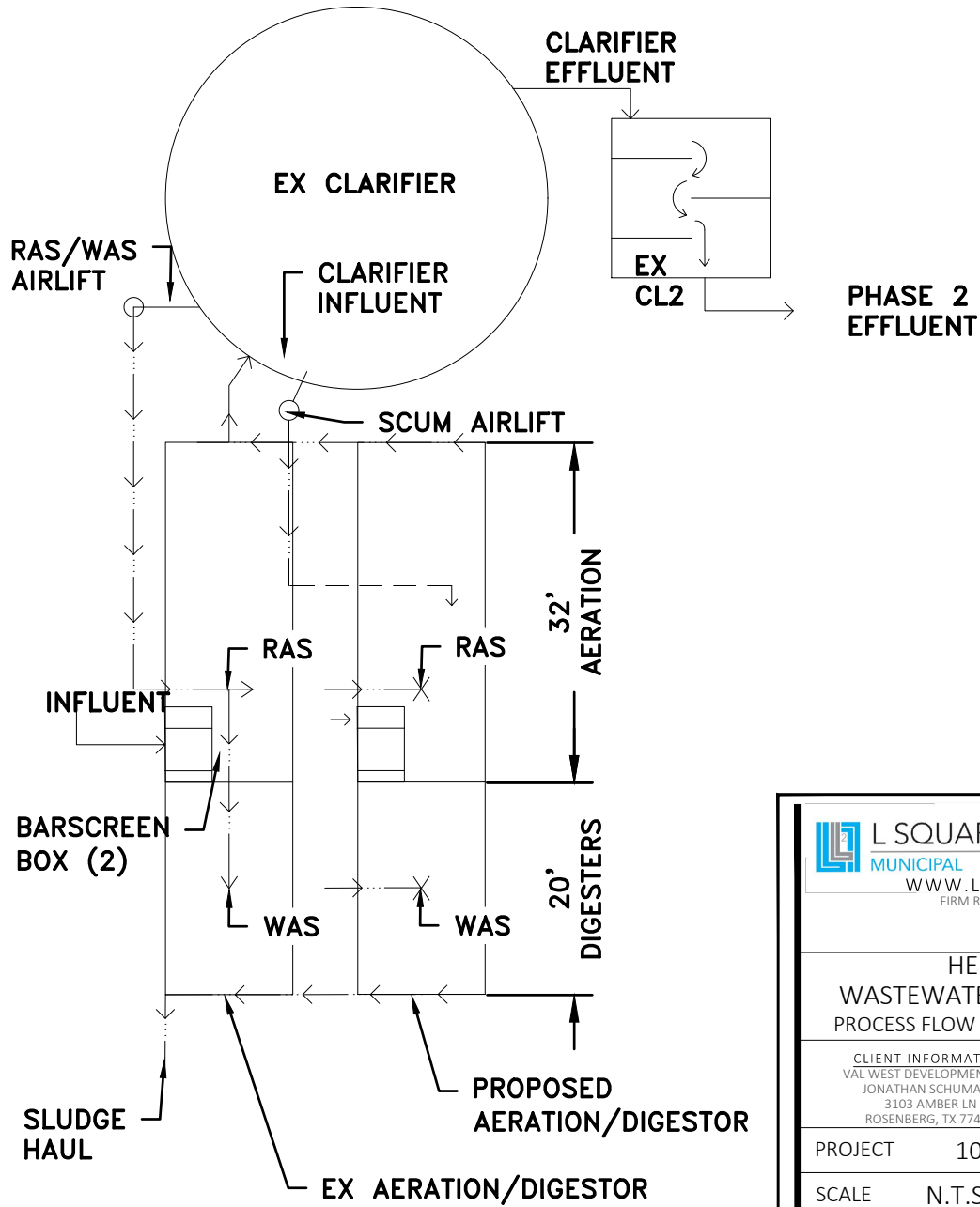
PROJECT	10995	DATE	05/29/2024
SCALE	N.T.S	SHEET	EXHIBIT G.1

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**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
PROCESS FLOW DIAGRAM DETAIL PHASE -2**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT	10995	DATE	05/29/2024
SCALE	N.T.S	SHEET	EXHIBIT G.2

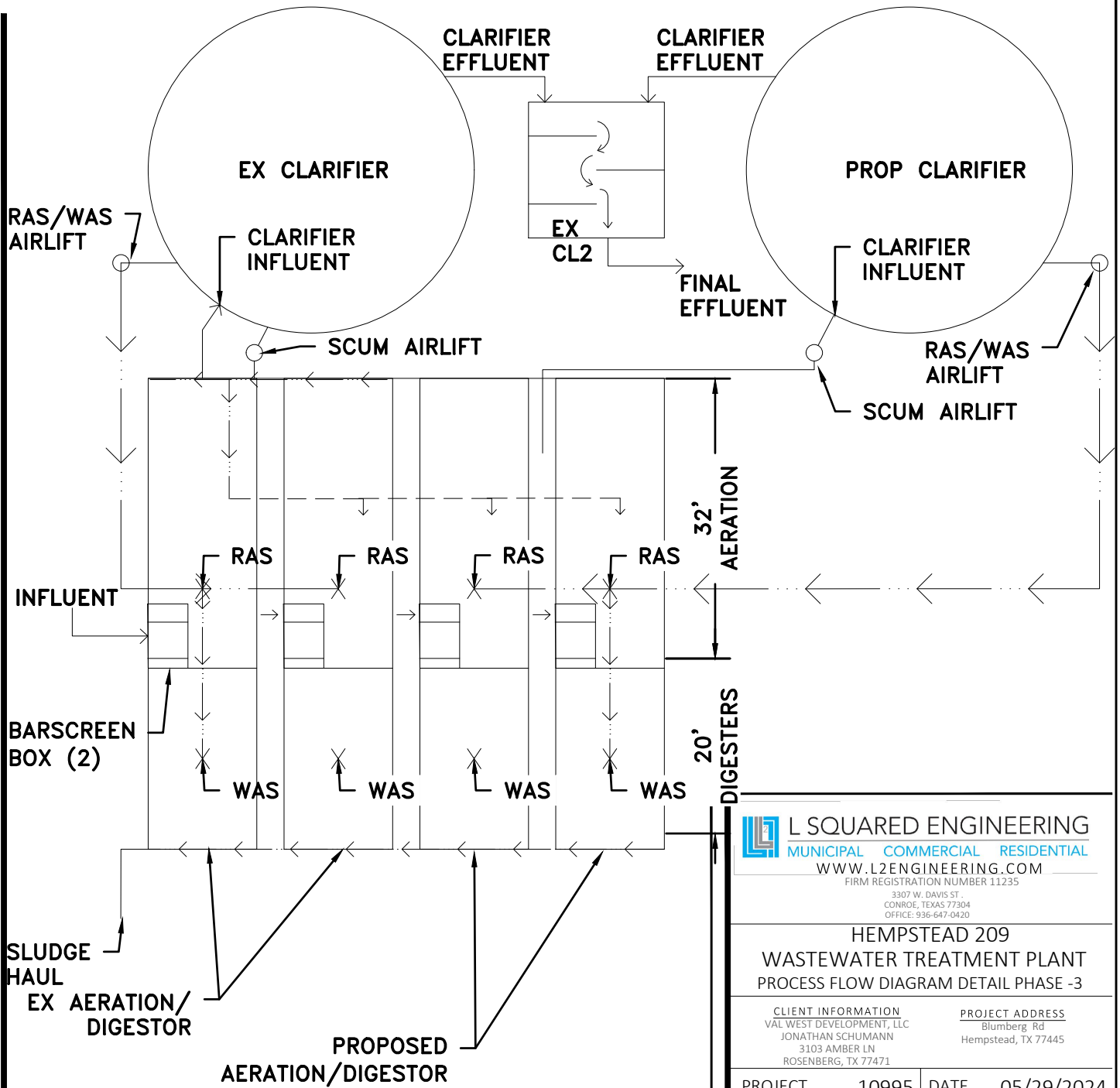
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**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
PROCESS FLOW DIAGRAM DETAIL PHASE -3**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg, Rd
Hempstead, TX 77445

PROJECT	10995	DATE	05/29/2024
SCALE	N.T.S	SHEET	EXHIBIT G.3

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Attachment H – Design Calculations

TECHNICAL DESIGN REPORT

FOR

Hempstead 209 WWTP

1. **PURPOSE** The purpose of this report is to present the basis of design and summary of unit sizing and hydraulic calculations for the Sewage Treatment Plant.
2. **DESCRIPTION OF PROPERTY** The project under development is a residential community
3. **POPULATION SERVED** The location of the proposed facility is shown on Sheet One of the Plans. The population flow is based on 100 gallons per capita per day after completion of P
4. **INFLUENT QUALITY CHARACTERISTICS** The raw sewage quality characteristics used for design are estimates based on past experience and on State Design Criteria and are as follows:

<u>PARAMETER</u>	<u>CONCENTRATION - MG/L</u>	<u>PER CAPITA CONTRIBUTION - LB/DA\</u>
BOD5	300	626
TSS	300	626

5. **INFLUENT FLOW CHARACTERISTICS** The hydraulic design of the plant must be conservative to insure that the plant will operate under the most extreme conditions anticipated. Future enlargement to the plant will be based on actual influent flow data. The plant process and hydraulic design for this phase are based on the following flows:

First Phase		
Average Daily Flow (Qav)	62,500 GPD	44 GPM
Peak 2-Hr. Flow (Qpk) 4	250,000 GPD	174 GPM
Second Phase		
Average Daily Flow (Qav)	62,500 GPD	43 GPM
Peak 2-Hr. Flow (Qpk) 4	250,000 GPD	174 GPM
Final Phase		
Average Daily Flow (Qav)	125,000 GPD	87 GPM
Peak 2-Hr. Flow (Qpk) 4	500,000 GPD	347 GPM

Refer to Attachment "A" - Process Design Calculations, Hydraulic Profile Calculations, Process Flow Diagrams, and Plant Discharge relationship for the 100 year flood.

6. **PROCESS DESIGN** The Sewage Treatment Plant has been designed to produce an effluent in compliance with permitted parameters of: BOD5 = 10 mg/l, TSS = 15 mg/l, and Chlorine Residual = 2mg/l after 20 minutes contact

Compressed air will be supplied to the process units by multiple blowers.

7. FLOOD HAZARD ANALYSIS The 100 Year Flood Elevation is ____ feet and is confined to the flood control and drainage, which has a bank elevation of ____ feet. The plant is capable of discharging at peak flow against the 100 year flood elevation.

8. SLUDGE DISPOSAL

Digester..... Aerobic
Transportation..... Contract Hauler
Final Disposition To be Determined by Contract Hauler

Hempstead 209 WWTP Phase I Design Calculations

The design calculations are based on the following influent raw sewage characteristics"

<u>Parameter</u>	<u>Concentration</u>		
BOD ₅	300	mg/L	
TSS	300	mg/L	
<u>Flow</u>	<u>MGD</u>	<u>Gallons Per Day</u>	<u>Gallons Per Min</u>
ADF (Q _{ave})	0.0625	62500	44
Peak 2-hr Flow (Q _{pk})	0.25	250000	174
<u>Loading</u>	<u>Pounds Per Day (lb/day)</u>		
BOD ₅	157		
TSS	157		
NH ₃ -N =	45		

The facility will be designed to produce an effluent quality in compliance with the limits mentioned in the TPDES Permit:

CBOD ₅ =	10	mg/L
TSS =	15	mg/L
NH ₃ -N =	3	mg/L
DO =	2	mg/L
CL ₂ =	1	to 4 mg/L after 20 minutes detention time at peak flow

To meet the TPDES permit limits, the conventional activated sludge process with nitrification will be used. The lowest seven day mean reactor temperature as assumed to be between > than 15°C. Hence, a maximum organic loading rate of 35 lbs BOD/day/1000ft³ was chosen for the activated sludge system design.

Aeration Basin

	<u>TCEQ Requires</u>	<u>Actual Provided</u>
Max. Organic Loading rate (lbs/day/1000ft ³)	35	34
Total Aeration Volume (ft ³)	4,486	4,608
<u>Proposed 0.0625 MGD Train:</u>		
Aeration Basin Volume =	4608 ft ³	

	<u>TCEQ Requires</u>	<u>Actual Provided</u>
Oxygen Required (lb O ₂ /lb BOD ₅)	2.2	2.2
Oxygen Required (lb/day)	345	345
Air Provided (SCFM)	473	473

Per Chapter 217.155 "Aeration Equipment Sizing" Equation F.4

$$RAF = \frac{(PPD \text{ BOD}_5) \times (O_2 / \text{lb BOD}_5)}{WOTE \times 0.23 \times 0.075 \times 1440}$$

Where:
RAF = Required Airflowrate (standard cubic feet per minute (SCFM))
PPD BOD₅ = Influent Organic Load in Pounds per Day
0.23 = lb O₂/lb air @ 20° C
1440 = minutes/day
0.075 = lb air/cubic foot (cf)
WOTE = Wastewater Oxygen Transfer Efficiency (decimal)
If the design inlet temperature is above 24° C, the specific weight of air must be adjusted to the specific weight at the intake temperature.

Clean water oxygen transfer efficiency =	0.85	% per ft of submergence
Correction factor for coarse bubble diffusers =	0.65	
Diffuser submergence (ft) =	9.00	
Therefore, WOTE =	0.0497	
Required air flow rate (RAF) =	279.64	SCFM
RAF Correction Factor for 9 feet of submergence =	1.69	
Corrected Required Airflow Rate =	473	SCFM

Clarifier (To Service Phase I & II)Max. Surface Loading Rate (Q_{pk}) (gallons/day/ft²)**TCEQ Requires****Actual Provided**

1200

812

Surface Area (ft²)

417

615.8

Diameter (ft)

23.0

28

Proposed .0625 MGD Train:

Clarifier dia =

28

Detention Time (hr)

1.8

1.8

Volume (ft³)

5013.4

6157.5

Min. Side Water Depth (ft)

10

10

Chlorine Contact Basin (To Service Phase I, II, & III)**TCEQ Requires****Actual Provided**Detention Time (Q_{pk}) (minutes)

20

35

Volume (ft³)

928.4

812

Proposed .25 MGD Train

Chlorine Contact Basin Volume =

500 ft³**Aerobic Digester****TCEQ Requires****Actual Provided**

MCRT at 20°C (days)

40

41

WAS Solids Production (lb/day)

Not Specified

125.6

Digester Sludge Solids Production (lb/day)

Not Specified

69.08

Required Solids Digesters (lbs)

Not Specified

2832.28

Digester Influent VSS Loading Rate (lbs/CF*d)

Not Specified

0.025

Reduction in VSS (%)

Not Specified

50%

Digester Volume (ft³)

Not Specified

3140

Aeration Requirements (SCFM/1,000CF)

30

30

Air Flow Rate (SCFM)

325.8

279.64

Hempstead 209 WWTP Phase II Design Calculations

The design calculations are based on the following influent raw sewage characteristics"

<u>Parameter</u>	<u>Concentration</u>	
BOD ₅	300	mg/L
TSS	300	mg/L

<u>Flow</u>	<u>MGD</u>	<u>Gallons Per Day</u>	<u>Gallons Per Min</u>
ADF (Q _{ave})	0.0625	62500	44
Peak 2-hr Flow (Q _{pk})	0.25	250000	174

<u>Loading</u>	<u>Pounds Per Day (lb/day)</u>
BOD ₅	157
TSS	157
NH ₃ -N =	45

The facility will be designed to produce an effluent quality in compliance with the limits mentioned in the TPDES Permit:

CBOD ₅ =	10	mg/L
TSS =	15	mg/L
NH ₃ -N =	3	mg/L
DO =	2	mg/L
CL ₂ =	1	to 4 mg/L after 20 minutes detention time at peak flow

To meet the TPDES permit limits, the conventional activated sludge process with nitrification will be used. The lowest seven day mean reactor temperature as assumed to be between > than 15°C. Hence, a maximum organic loading rate of 35 lbs BOD/day/1000ft³ was chosen for the activated sludge system design.

Aeration Basin

	<u>TCEQ Requires</u>	<u>Actual Provided</u>
Max. Organic Loading rate (lbs/day/1000ft ³)	35	34
Total Aeration Volume (ft ³)	4,486	4,608
<u>Proposed 0.0625 MGD Train:</u>		
Aeration Basin Volume =	4608	ft ³

	<u>TCEQ Requires</u>	<u>Actual Provided</u>
Oxygen Required (lb O ₂ /lb BOD ₅)	2.2	2.2
Oxygen Required (lb/day)	345	345
Air Provided (SCFM)	473	473

Per Chapter 217.155 "Aeration Equipment Sizing" Equation F.4

$$RAF = \frac{(PPD \text{ BOD}_5) \times (O_2 / \text{lb BOD}_5)}{WOTE \times 0.23 \times 0.075 \times 1440}$$

Where:
RAF = Required Airflowrate (standard cubic feet per minute (SCFM))
PPD BOD₅ = Influent Organic Load in Pounds per Day
0.23 = lb O₂/lb air @ 20° C
1440 = minutes/day
0.075 = lb air/cubic foot (cf)
WOTE = Wastewater Oxygen Transfer Efficiency (decimal)
If the design inlet temperature is above 24° C, the specific weight of air must be adjusted to the specific weight at the intake temperature.

Clean water oxygen transfer efficiency =	0.85	% per ft of submergence
Correction factor for coarse bubble diffusers =	0.65	
Diffuser submergence (ft) =	9.00	
Therefore, WOTE =	0.0497	
Required air flow rate (RAF) =	279.64	SCFM
RAF Correction Factor for 9 feet of submergence =	1.69	
Corrected Required Airflow Rate =	473	SCFM

<u>Aerobic Digester</u>	<u>TCEQ Requires</u>	<u>Actual Provided</u>
MCRT at 20°C (days)	40	41
WAS Solids Production (lb/day)	Not Specified	250.4
Digester Sludge Solids Production (lb/day)	Not Specified	137.72
Required Solids Digesters (lbs)	Not Specified	5646.52
Digester Influent VSS Loading Rate (lbs/CF*d)	Not Specified	0.025
Reduction in VSS (%)	Not Specified	50%
Digester Volume (ft ³)	Not Specified	6260
Aeration Requirements (SCFM/1,000CF)	30	30
Air Flow Rate (SCFM)	325.8	279.64

Hempstead 209 WWTP Phase III Design Calculations

The design calculations are based on the following influent raw sewage characteristics"

<u>Parameter</u>	<u>Concentration</u>		
BOD ₅	300	mg/L	
TSS	300	mg/L	
<u>Flow</u>	<u>MGD</u>	<u>Gallons Per Day</u>	<u>Gallons Per Min</u>
ADF (Q _{ave})	0.125	125000	87
Peak 2-hr Flow (Q _{pk})	0.5	500000	348
<u>Loading</u>	<u>Pounds Per Day (lb/day)</u>		
BOD ₅	313		
TSS	313		
NH ₃ -N =	45		

The facility will be designed to produce an effluent quality in compliance with the limits mentioned in the TPDES Permit:

CBOD ₅ =	10	mg/L
TSS =	15	mg/L
NH ₃ -N =	3	mg/L
DO =	2	mg/L
CL ₂ =	1	to 4 mg/L after 20 minutes detention time at peak flow

To meet the TPDES permit limits, the conventional activated sludge process with nitrification will be used. The lowest seven day mean reactor temperature as assumed to be between > than 15°C. Hence, a maximum organic loading rate of 35 lbs BOD/day/1000ft³ was chosen for the activated sludge system design.

Aeration Basin

	<u>TCEQ Requires</u>	<u>Actual Provided</u>
Max. Organic Loading rate (lbs/day/1000ft ³)	35	34
Total Aeration Volume (ft ³)	8,943	9,216
<u>Proposed 0.0625 MGD Train:</u>		
Aeration Basin Volume =	9216 ft ³	

	<u>TCEQ Requires</u>	<u>Actual Provided</u>
Oxygen Required (lb O ₂ /lb BOD ₅)	2.2	2.2
Oxygen Required (lb/day)	689	689
Air Provided (SCFM)	942	942

Per Chapter 217.155 "Aeration Equipment Sizing" Equation F.4

$$RAF = \frac{(PPD \text{ BOD}_5) \times (O_2 / \text{lb BOD}_5)}{WOTE \times 0.23 \times 0.075 \times 1440}$$

Where:
RAF = Required Airflowrate (standard cubic feet per minute (SCFM))
PPD BOD₅ = Influent Organic Load in Pounds per Day
0.23 = lb O₂/lb air @ 20° C
1440 = minutes/day
0.075 = lb air/cubic foot (cf)
WOTE = Wastewater Oxygen Transfer Efficiency (decimal)
If the design inlet temperature is above 24° C, the specific weight of air must be adjusted to the specific weight at the intake temperature.

Clean water oxygen transfer efficiency =	0.85	% per ft of submergence
Correction factor for coarse bubble diffusers =	0.65	
Diffuser submergence (ft) =	9.00	
Therefore, WOTE =	0.0497	
Required air flow rate (RAF) =	557.49	SCFM
RAF Correction Factor for 9 feet of submergence =	1.69	
Corrected Required Airflow Rate =	942	SCFM

ClarifierMax. Surface Loading Rate (Q_{pk}) (gallons/day/ft²)**TCEQ Requires****Actual Provided**

1200

812

Surface Area (ft²)

417

615.8

Diameter (ft)

23.0

28

Proposed .125 MGD Train:

Clarifier dia =

28

Detention Time (hr)

1.8

1.8

Volume (ft³)

5013.4

6157.5

Min. Side Water Depth (ft)

10

10

Aerobic Digester

MCRT at 20°C (days)

TCEQ Requires**Actual Provided**

40

41

WAS Solids Production (lb/day)

Not Specified

500.8

Digester Sludge Solids Production (lb/day)

Not Specified

275.44

Required Solids Digesters (lbs)

Not Specified

11293.04

Digester Influent VSS Loading Rate (lbs/CF*d)

Not Specified

0.025

Reduction in VSS (%)

Not Specified

50%

Digester Volume (ft³)

Not Specified

12520

Aeration Requirements (SCFM/1,000CF)

30

30

Air Flow Rate (SCFM)

325.8

557.49

Attachment I – Solids Management Plan

SLUDGE PRODUCTION RATES

Sludge Management Plan Calculations (Phase I)

Influent Design Flow =	0.0625 MGD	
Influent BOD Concentration =	300 mg/L	
Aerobic Digester Volume (proposed) =	3140 ft ³	23489 Gallons
Aeration Basin MLSS =	2000 to 3000 mg/L	
WAS Sludge Concentration =	8000 mg/L	

Sludge Production				
Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds of Influent BOD5 (lb/day)	157.0	118.0	78.5	39.0
Pounds of digested dry sludge (lb/day)*	69.1	52.0	34.5	17.0
Pounds of wet sludge produced**	3454.0	2591.0	1727.0	864.0
Gallons of wet sludge produced	414.1	311.0	207.1	104.0

* Assuming 0.8 lbs of dry sludge produced per pound of influent BOD consumed; and 45% reduction of VS.

** 2.0% solids concentration in the digester

Sludge Removal Schedule				
Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Days between Sludge Removal	57	76	113	226

The digested sludge will be removed from the digester for disposal on a regular basis as required.

The calculated mean cell residence time for the provided digester volume at 100% capacity is =

41 days

The annual average sludge production at 100% capacity will be =

69.08 lb/day (dry)

Once the digester is full of thickened solids, the contents will be hauled by **the contracted sludge hauler** to one of the approved land application sites.

The sludge hauler will supply sludge hauling manifests showing volumes and concentration of sludge removed from the plant.

SLUDGE PRODUCTION RATES

Sludge Management Plan Calculations (Phase I & II)

Influent Design Flow =	0.125 MGD	
Influent BOD Concentration =	300 mg/L	
Aerobic Digester Volume (existing + proposed) =	9400 ft ³	70317 Gallons
Aeration Basin MLSS =	2000 to 3000 mg/L	
WAS Sludge Concentration =	8000 mg/L	

Sludge Production				
Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds of Influent BOD5 (lb/day)	313.0	235.0	156.5	78.0
Pounds of digested dry sludge (lb/day)*	137.7	103.0	68.9	34.0
Pounds of wet sludge produced**	6886.0	5165.0	3443.0	1722.0
Gallons of wet sludge produced	825.7	619.0	412.8	206.0

* Assuming 0.8 lbs of dry sludge produced per pound of influent BOD consumed; and 45% reduction of VS.

** 2.0% solids concentration in the digester

Sludge Removal Schedule				
Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Days between Sludge Removal	85	114	170	341

The digested sludge will be removed from the digester for disposal on a regular basis as required.

The calculated mean cell residence time for the provided digester volume at 100% capacity is = 41 days

The annual average sludge production at 100% capacity will be = 137.72 lb/day (dry)

Once the digester is full of thickened solids, the contents will be hauled by **the contracted sludge hauler** to one of the approved land application sites.

The sludge hauler will supply sludge hauling manifests showing volumes and concentration of sludge removed from the plant.

SLUDGE PRODUCTION RATES

Sludge Management Plan Calculations (Phases I-III)

Influent Design Flow =	0.25 MGD	
Influent BOD Concentration =	300 mg/L	
Aerobic Digester Volume (existing + proposed) =	12520 ft ³	93656 Gallons
Aeration Basin MLSS =	2000 to 3000 mg/L	
WAS Sludge Concentration =	8000 mg/L	

Sludge Production				
Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Pounds of Influent BOD5 (lb/day)	626.0	470.0	313.0	157.0
Pounds of digested dry sludge (lb/day)*	275.4	207.0	137.7	69.0
Pounds of wet sludge produced**	13772.0	10329.0	6886.0	3443.0
Gallons of wet sludge produced	1651.3	1238.0	825.7	413.0

* Assuming 0.8 lbs of dry sludge produced per pound of influent BOD consumed; and 45% reduction of VS.

** 2.0% solids concentration in the digester

Sludge Removal Schedule				
Solids Generated	100% Flow	75% Flow	50% Flow	25% Flow
Days between Sludge Removal	57	76	113	227

The digested sludge will be removed from the digester for disposal on a regular basis as required.

The calculated mean cell residence time for the provided digester volume at 100% capacity is = 41 days

The annual average sludge production at 100% capacity will be = 275.44 lb/day (dry)

Once the digester is full of thickened solids, the contents will be hauled by **the contracted sludge hauler** to one of the approved land application sites.

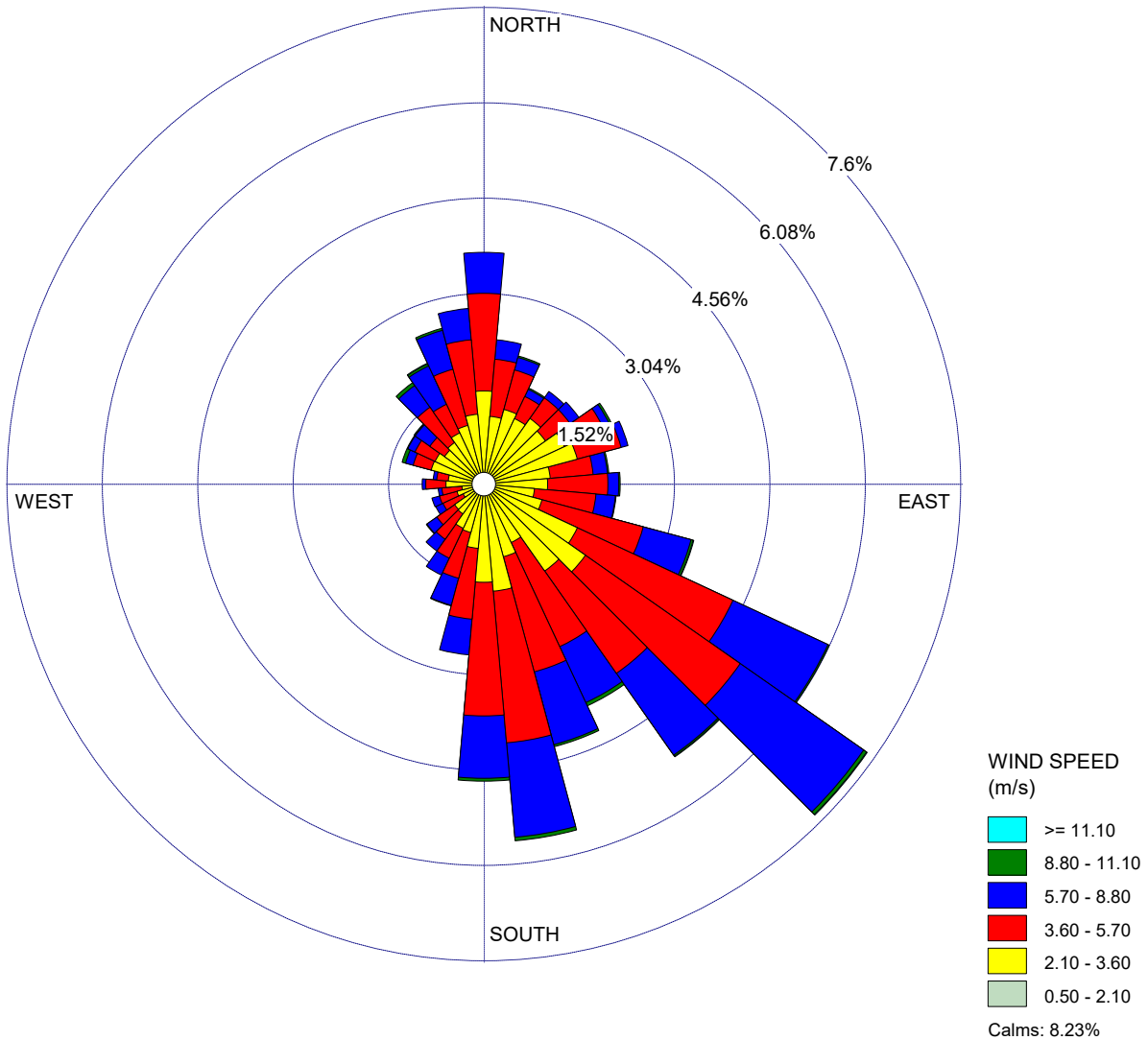
The sludge hauler will supply sludge hauling manifests showing volumes and concentration of sludge removed from the plant.

Attachment J – Wind Rose

WIND ROSE PLOT:

Station #12960 - HOUSTON/INTERCONTINENTAL ARPT, TX

DISPLAY:

Wind Speed
Direction (blowing from)

COMMENTS:

DATA PERIOD:

Start Date: 1/1/1990 - 00:00
End Date: 12/31/1990 - 23:00

COMPANY NAME:

MODELER:

CALM WINDS:

8.23%

TOTAL COUNT:

8759 hrs.

AVG. WIND SPEED:

3.70 m/s

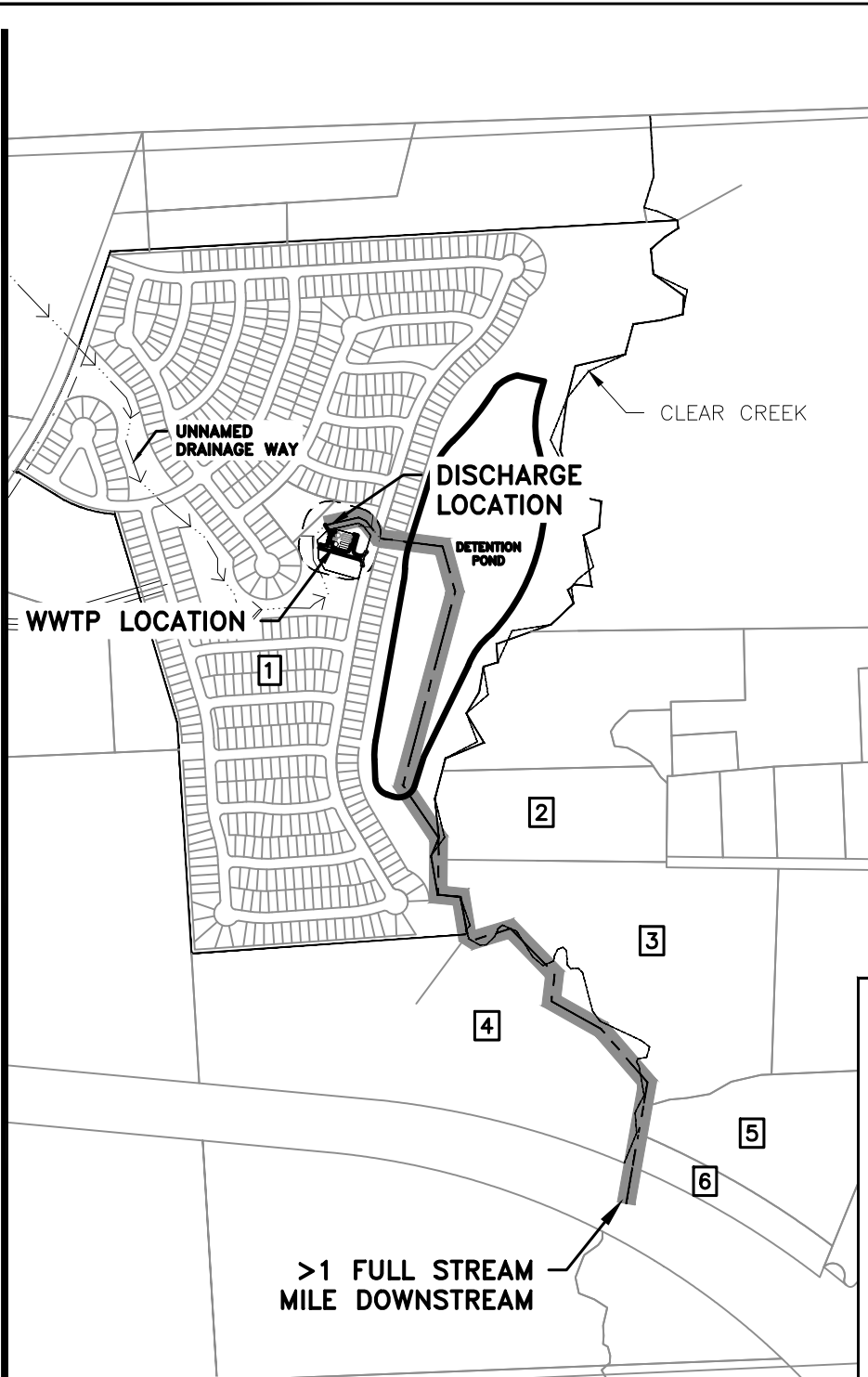
DATE:

5/16/2024

PROJECT NO.:

Attachment K – Adjacent Land Owner List and Map

L:\SHARED\L2 ENGINEERING PROJECTS\ENGINEERING PROJECTS\10995-HEMPSTEAD 209 ACRE TRACT\03 CAD\DESIGN SET\WWTP\WWTP EXHIBITS-10995-LLDWG Jun. 3, 2024-2:16 PM



Blumberg Development WWTP-OWNER LIST				
NUMBER	PROPERTY ID	OWNER NAME	OWNER MAILING ADDRESS	LEGAL DESCRIPTION
1	R45673	BROUNKOWSKI ESIDOR J FAMILY TR	41703 BLUMBERG ROAD Hempstead, Tx 77445	ABS A312100 A-121 ISAAC DONOHO TRACT 2 ACRES 189.595
2	R 266616	GOODRUM KIMBERLY ANN MATHIS	23308 MACK WASHINGTON LANE Hempstead, Tx 77445	ABS A312100 A-121 ISAAC DONOHO TRACT 20-5 ACRES 8.634
3	R253800	TRAUHOW SCOTT & DONGFANG LIA	11306 WINDY DAWN DR Pearland, Tx 77584	ABS A312100 A-121 ISAAC DONOHO TRACT 26-1 ACRES 14.264
4	R 45690	MACHAC CAROLE ANNE	P O BOX 236 Weller, Tx	ABS A312100 A-121 ISAAC DONOHO TRACT 25 ACRES 50.535 P/O 148.446 ACRES
5	R170363	FORD RICHARD C	P O BOX 74 Cypress, Tx	ABS A312100 A-121 ISAAC DONOHO TRACT 28-4 ACRES 18.577 P/O 23.797 ACRES
6	R170364	FORD RICHARD C	P O BOX 74 Cypress, Tx	ABS A312100 A-121 ISAAC DONOHO TRACT 28-5 ACRES 5.22 P/O 23.797 ACRES



WWW.L2ENGINEERING.COM

FIRM REGISTRATION NUMBER 11235

3307 W. DAVIS ST.
CONROE, TEXAS 77304
OFFICE: 936-647-0420

HEMPSTEAD 209 WASTEWATER TREATMENT PLANT LAND OWNERS EXHIBIT

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT 10995 DATE 05/29/2024

SCALE 1" = 1000' SHEET EXHIBIT K

THIS DOCUMENT IS RELEASED FOR
THE PURPOSE OF INTERIM REVIEW
UNDER THE AUTHORITY OF:

E. LEVI LOVE, PE #99340
OR
JONATHAN WHITE, PE #127058

FOR REVIEW PURPOSES ONLY
NOT FOR CONSTRUCTION

05/29/2024

Blumberg Development WWTP-OWNER LIST

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5	R170363	FORD RICHARD C	P O BOX 74 Cypress, Tx	ABS A312100 A-121 ISAAC DONOHO TRACT 28-4 ACRES 18.577 P/O 23.797 ACRES
6	R170364	FORD RICHARD C	P O BOX 74 Cypress, Tx	ABS A312100 A-121 ISAAC DONOHO TRACT 28-5 ACRES 5.22 P/O 23.797 ACRES

Brounkowski Esidor J Family Tr
41703 Blumberg Road
Hempstead, Tx 77445

Machac Carole Anne
Po Box 236 Waller, Tx

Goodrum Kimberly Ann Mathis
23308 Mack Washington Lane
Hempstead, Tx 77445

Ford Richard C
P O Box 74 Cypress, Tx

Thurow Scott & Dongfang Lia
11306 Windy Dawn Dr,
Pearland, Tx 77584

Attachment L – Buildout Schedule

Hempstead 209 Estimated Schedule of Buildout

<u>Year</u>	<u>Phase</u>	<u>Number of months for buildout</u>
2026	Phase 1 Construction	12
2028	Phase 2 Construction	12
2030	Phase 3 Construction	12

Monthly growth of LUE's=	20.83333333	20.83333	9.833333333
Gal. Per day per connection =	250	250	118
	(Phase 1)	(Phase 2)	(Phase 3)

Estimated time for implementation of all phases

<u>Year</u>	<u>GPD</u>	<u>Sub Total GPD</u>	<u>Number of LUE's</u>
2026	62,500	62,500	250
2028	62,500	125,000	500
2030	125,000	250,000	618

Total GPD 250,000

Requesting 250,000 to allow for the 75%/90% rule

<u>Year</u>	<u> </u>	<u>Loading Percentages</u>
2026	62,500	75.00%
2028	125,000	75.00%
2027	250,000	75.00%

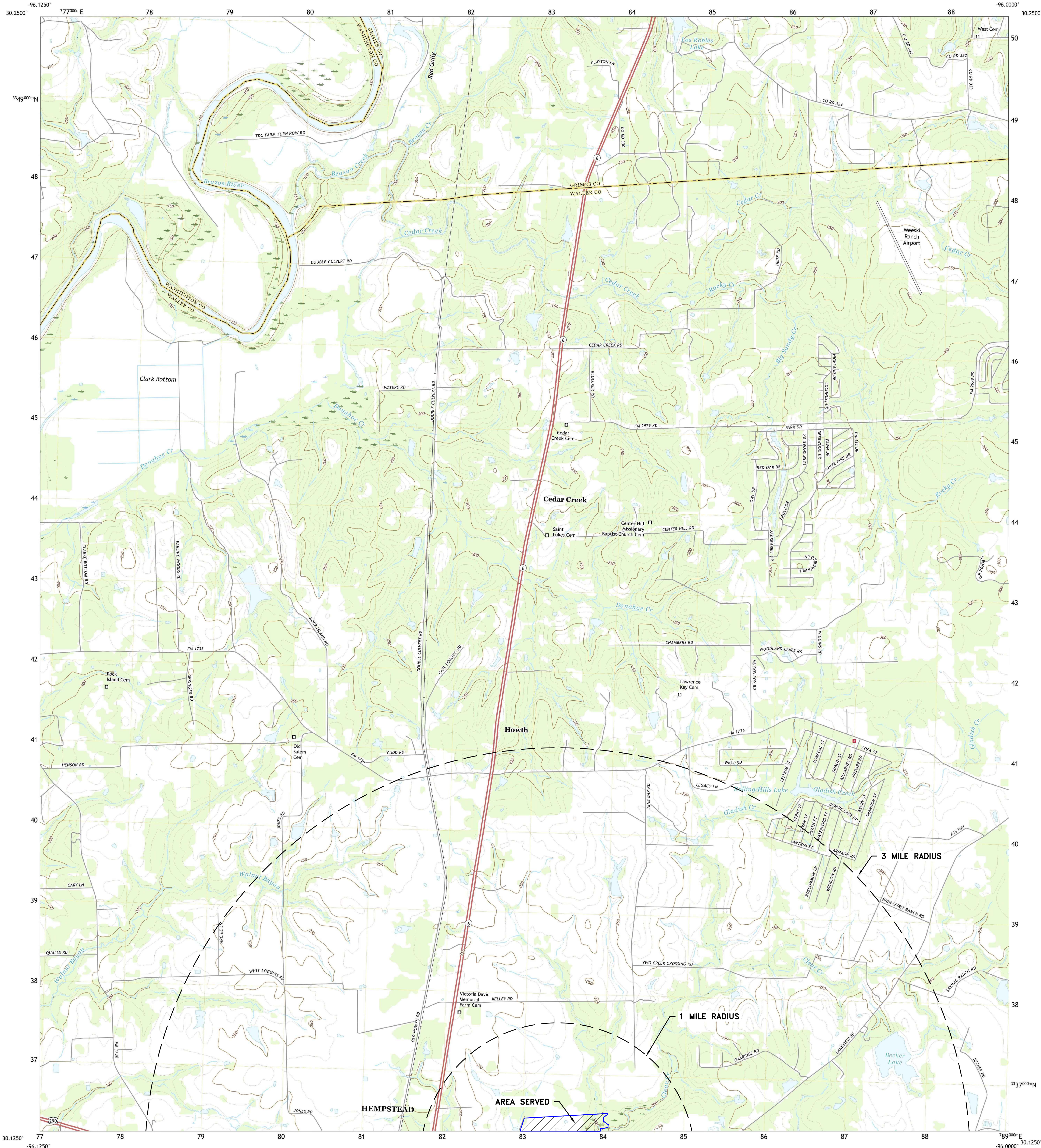
Attachment M – USGS Map Showing Site Location



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U.S. GEOLOGICAL SURVEY



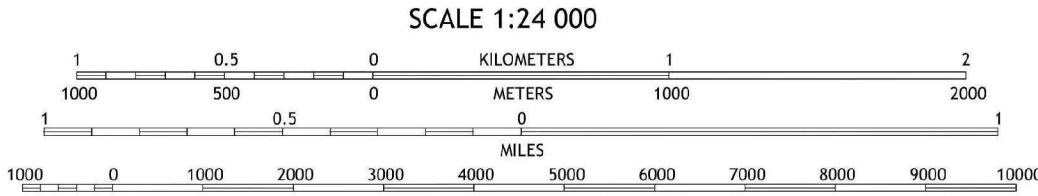
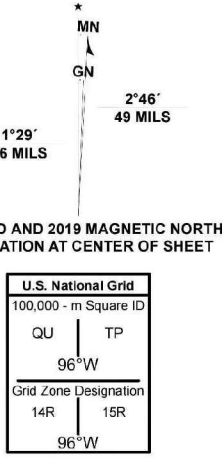
HOWTH QUADRANGLE
TEXAS
7.5-MINUTE SERIES



L SQUARED ENGINEERING

Produced by the United States Geological Survey

North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84)
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 - 2019
Names:.....GAS, 1979 - 2022
Hydrography:.....National Hydrography Dataset, 2002 - 2018
Contours:.....National Elevation Dataset, 2004
Boundaries:.....Multiple sources; see metadata file 2019 - 2021
Wetlands:.....FWS National Wetlands Inventory Not Available



1	2	3	1 Washington
4	5	2 Courtney	
6	7	3 Stoneman	
8	9	4 Daniels	
10	11	5 Waller NW	
12	13	6 Buckhorn	
14	15	7 Hempstead	
16	17	8 Waller	



HOWTH, TX
2022

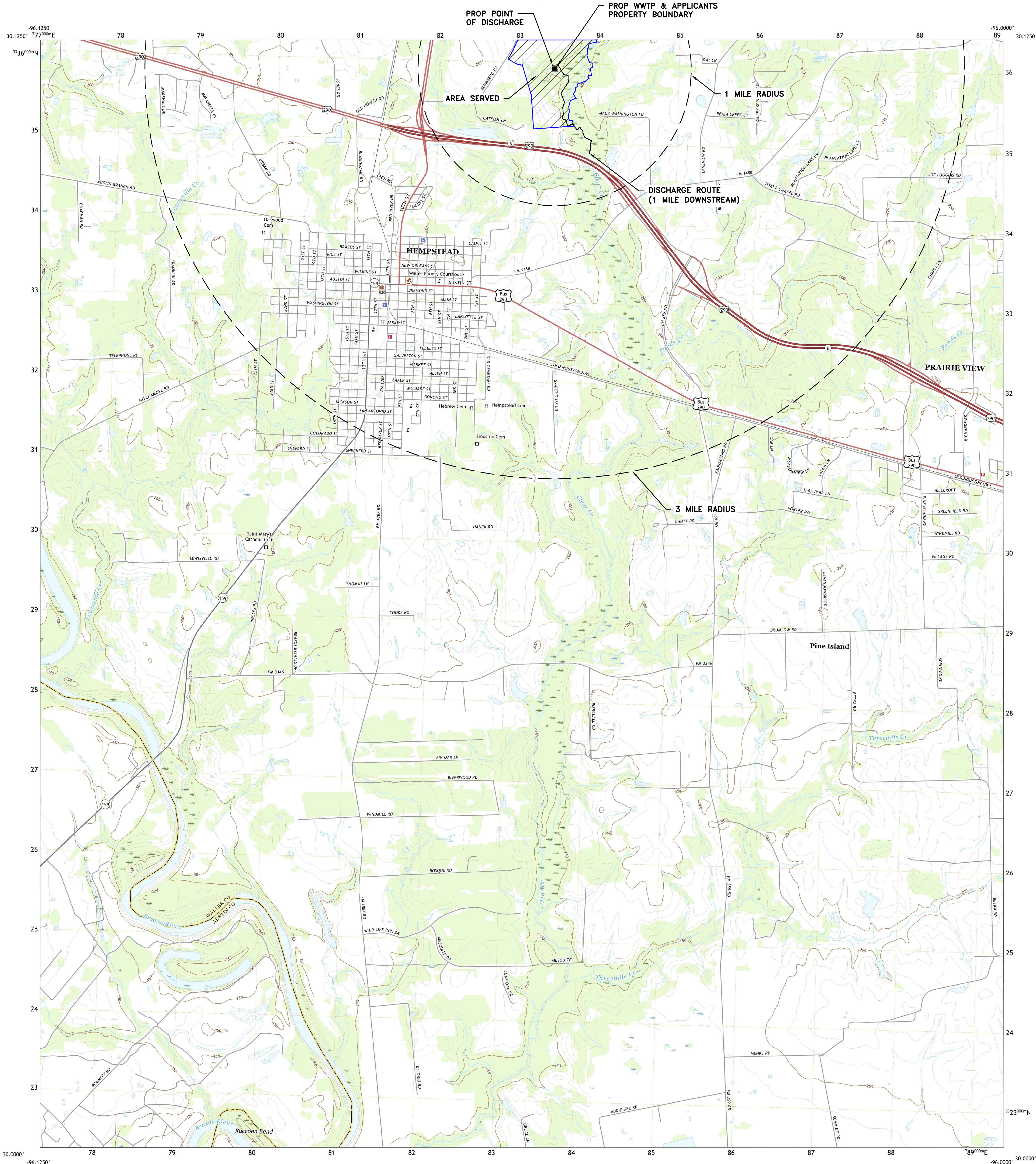




U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



HEMPSTEAD QUADRANGLE
TEXAS
7.5-MINUTE SERIES

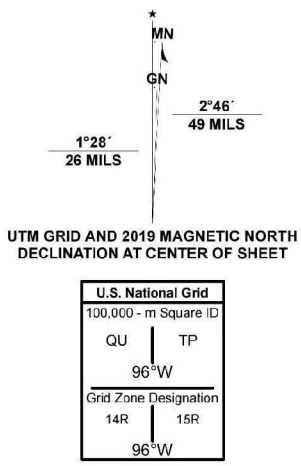


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Produced by the United States Geological Survey

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
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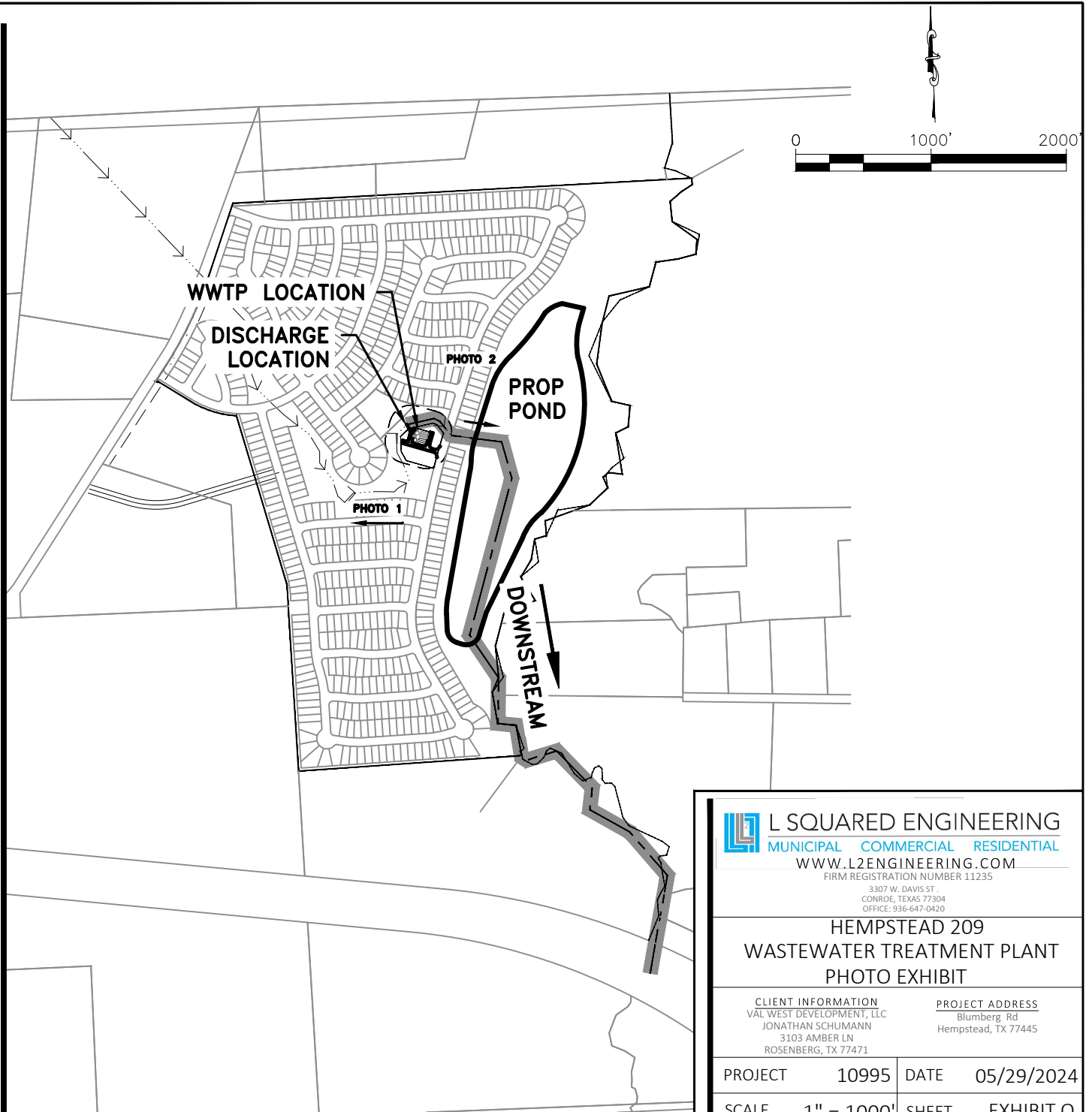
Imagery.....NAIP, September 2016 - November 2016
Roads.....U.S. Census Bureau, 2015
Names.....GNS, 1979 - 2021
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2004
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available



Attachment N – Operator Information

Attachment O – Original Photographs

L:\SHARED\L2 ENGINEERING PROJECTS\ENGINEERING PROJECTS\10995-HEMPSTEAD 209 ACRE TRACT\03 CAD\DESIGN SET\WWTP\WWTP EXHIBITS-10995-LLDWG Jun. 3, 2024-2:16 PM



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CONROE, TEXAS 77304
OFFICE: 936-647-0420

**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
PHOTO EXHIBIT**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT 10995 DATE 05/29/2024

SCALE 1" = 1000' SHEET EXHIBIT O

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05/29/2024

12111, -96.06104

ft
±10ft

212

°T
±13

SE

8 FOTT
5, United States

12085, -96.05915

ft
±11ft

208

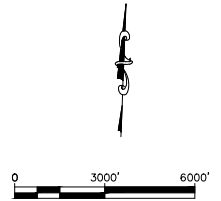
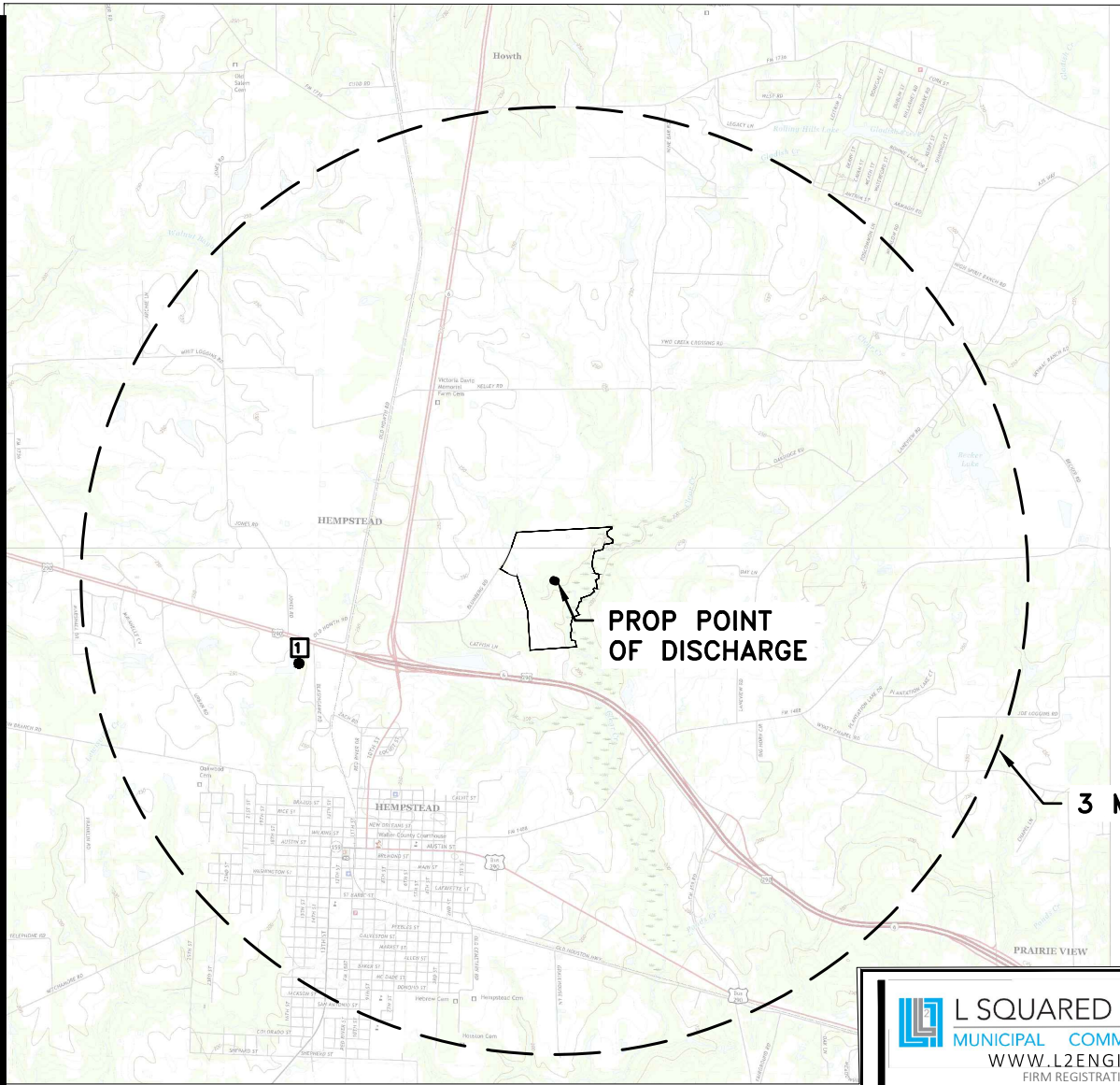
°T
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NE

9 FOTT
6, United States



Attachment P – Adjacent WWTP Facilities



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**HEMPSTEAD 209
WASTEWATER TREATMENT PLANT
PERMITEE MAP**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
3103 AMBER LN
ROSENBERG, TX 77471

PROJECT ADDRESS
Blumberg Rd
Hempstead, TX 77445

PROJECT	10995	DATE	05/29/2024
SCALE	1" = 6000'	SHEET	EXHIBIT P

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05/29/2024

Blumberg Nearby Wastewater Facility List		
#	Owners Name	Permit Number
1	NORTH HEMPSTEAD UTILITIES	WQ0016006001

Address

12639 STATE HIGHWAY 6, HEMPSTEAD TX 77445



L SQUARED ENGINEERING

MUNICIPAL COMMERCIAL RESIDENTIAL

3307 W. Davis St. #100
Conroe, Texas 77304
P: 936-647-0420 F: 936-647-2366
www.L2Engineering.com

May 14, 2024

North Hempstead Utilities LLC
250 Highway 290 North,
Hempstead, Tx 77445

RE: TCEQ Waste Discharge Permit

Dear permittee:

We are writing to you on behalf of Blumberg 209, LLC regarding a proposed wastewater treatment facility project to serve a proposed development in Waller County, located approximately 1 mile Northeast of the intersection of HWY 6 and 290. Hempstead, Waller County, TX. We are in the process of applying for a new TCEQ Wastewater Discharge Permit for 250,000 gallons per day (GPD) to serve this development.

We are required to contact all existing TCEQ Wastewater Discharge Permittees within a 3-mile radius of the project to inquire if an existing permit holder is willing to provide the wastewater treatment capacity needed. According to TCEQ records, you are a permittee having an existing WWTP located within 3 miles of the project and have a TCEQ Waste Discharge Permit. If there is a WWTP within 3 miles that has the capacity available or will expand their facility to make it available, there will be a conducted feasibility study to determine if it is cost effective to obtain service from them.

We would appreciate receiving a response from you indicating if 250,000 GPD of wastewater treatment capacity in your facility is available, and if so, under what terms. A handwritten reply on a copy of this letter will be adequate. You may email your response to me at Levi@L2Engineering.com or fax it to (936) 647-2366. Please feel free to call me at (936) 647-0420 if you have any questions. Thank you for your assistance.

Thank you,
Levi Love, PE

Attachments: 1) 3-Mile Radius Map

Reply

Date of Reply: 05/20/24
Name Of Permittee: North Hempstead Utilities
Capacity Available (Yes/No)? No
Terms (if Available): _____

Signature: _____
Printed Name: Julie Ward
Title: Development Manager, RCR Rail Co.
Address: _____

Telephone: 713-822-1758
Email: Julie@RCRailco.com



From: Julie Ward <julie@rcrrailco.com>
Subject: TCEQ Waste Discharge Permit
Date: May 20, 2024 at 3:03:58 PM CDT
To: "Levi@L2Engineering.com" <Levi@L2Engineering.com>
Cc: Marcia Vander Vegte <Marcia@mcalisterassets.com>


To whom it may concern:

The WWTP referenced in the attached document has not been constructed and does not currently have any capacity available. Feel free to reach out if you have any questions.

Thanks,

Julie Ward

RCR Rail Co.
713-822-1758

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none">■ Complete items 1, 2, and 3.■ Print your name and address on the reverse so that we can return the card to you.■ Attach this card to the back of the mailpiece, or on the front if space permits.	<p>A. Signature <input checked="" type="checkbox"/> Marcia Vander Vegte <input checked="" type="checkbox"/> Agent <input type="checkbox"/> Addressee</p>
1. Article Addressed to:	B. Received by (Printed Name) Marcia Vander Vegte
North Hempstead Utilities LLC. 250 HWY 290 North Hempstead TX 77445	C. Date of Delivery 05/29/2024
	D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No
 9590 9402 6860 1104 3865 68	3. Service Type <input type="checkbox"/> Adult Signature <input type="checkbox"/> Priority Mail Express® <input type="checkbox"/> Adult Signature Restricted Delivery <input type="checkbox"/> Registered Mail™ <input type="checkbox"/> Certified Mail® <input type="checkbox"/> Registered Mail Restricted Delivery <input type="checkbox"/> Certified Mail Restricted Delivery <input type="checkbox"/> Signature Confirmation™ <input type="checkbox"/> Collect on Delivery <input type="checkbox"/> Signature Confirmation Restricted Delivery <input type="checkbox"/> Collect on Delivery Restricted Delivery
2. Article Number (Transfer from service label) 7019 1640 0001 6345 7327	Mail Mail Restricted Delivery 00)

Leah Whallon

From: Jerry Barnes <jbarnes@l2engineering.com>
Sent: Friday, August 2, 2024 9:40 AM
To: Leah Whallon
Cc: Levi Love, PE; Jonathan Schumann
Subject: Re: Application for Proposed Permit No. WQ0016563001; Blumberg 209, LLC; Hempstead 209 WWTP; Notice of Deficiency 30-Day Will Return Letter
Attachments: K - Land Owner Address Labels.docx; WWTP EXHIBITS-10995-LL-LAND OWNERS EXHIBIT.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Good morning Leah,

See attached landowners exhibit and mail labels, if you have any questions or concerns please let me know.

Thank you,

On Fri, Jul 26, 2024 at 9:10 AM Leah Whallon <Leah.Whallon@tceq.texas.gov> wrote:

Good Morning,

Please see the attached Notice of Deficiency 30-Day Will Return Letter dated July 26, 2024 requesting the response needed to declare the application administratively complete. Please send the complete response by August 25, 2024.

Thank you,

Leah Whallon



Texas Commission on Environmental
Quality

Water Quality Division

512-239-0084

leah.whallon@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at
www.tceq.texas.gov/customersurvey

--

Jerry Barnes

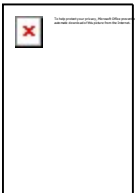
jbarnes@l2engineering.com

O: 936.647.0420

L Squared Engineering

3307 West Davis Street, Suite 100

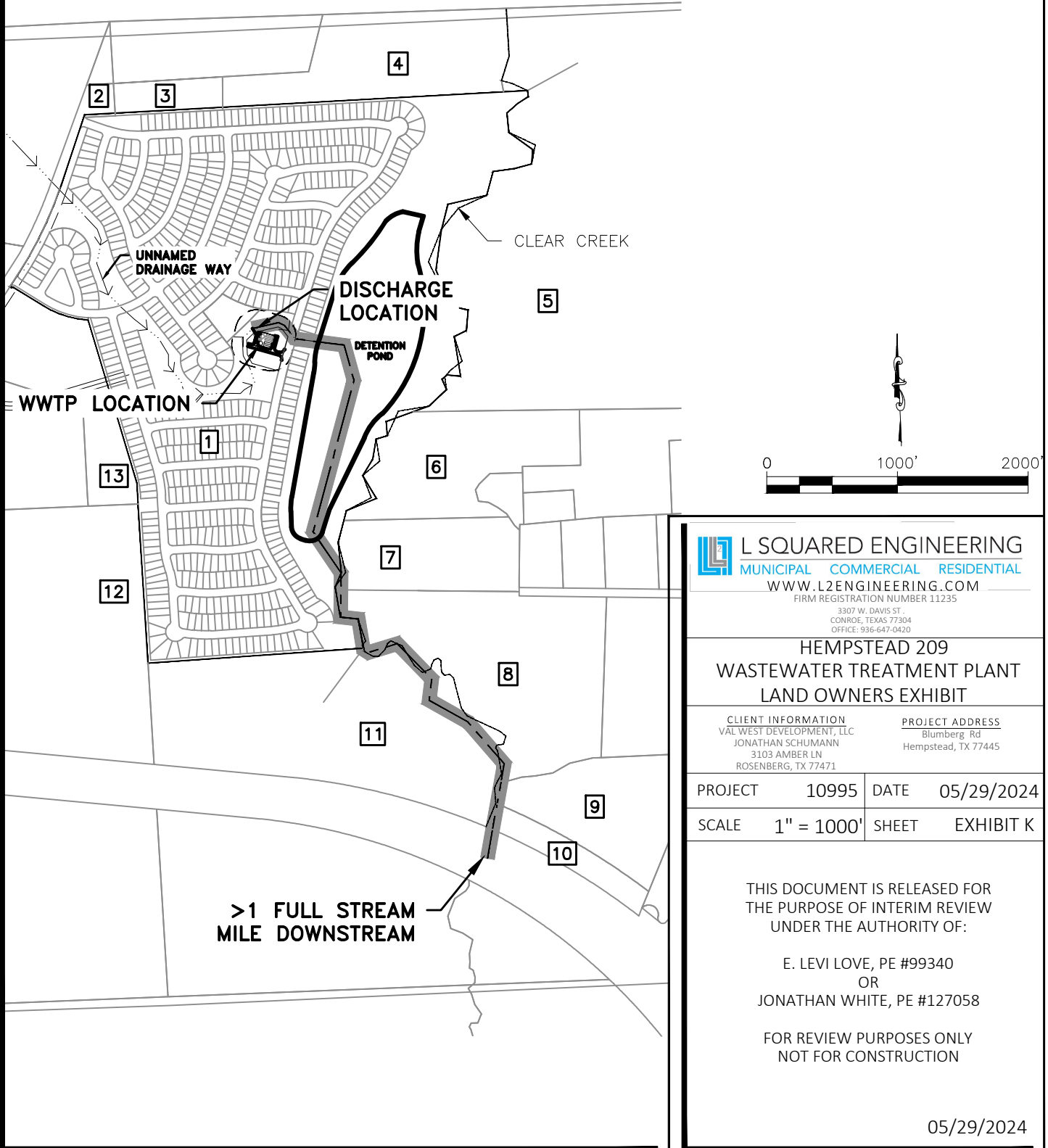
Conroe, TX 77304



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Blumberg Development WWTP-OWNER LIST				
NUMBER	PROPERTY ID	OWNER NAME	OWNER MAILING ADDRESS	LEGAL DESCRIPTION
1	R45673	BLUMBERG 209 LLC	3103 AMBER LN ROSENBERG TX 77471	ABS A312100 A-121 ISAAC DONOHO TRACT 2 ACRES 189.595
2	R170558	MAIER JARED & KELLYE	41341 BLUMBERG RD HEMPSTEAD TX 77445	ABS A301100 A-11 JOSEPH BAKER TRACT 10-1 ACRES 0.9 P/O 5.00 AC
3	R245536	MAIER JARED & KELLYE	41341 BLUMBERG RD HEMPSTEAD TX 77445	ABS A312100 A-121 ISAAC DONOHO TRACT 2-2 ACRES 4.1 P/O 5.00 AC
4	R170559	WEBB MARIE L	42047 BLUMBERG RD HEMPSTEAD TX 77445	ABS A312100 A-121 ISAAC DONOHO TRACT 2-1 ACRES 25. P/O 40.155 AC
5	R45674	SCHIEL DEBBY SUE	PO BOX 35 HEMPSTEAD TX 77445	ABS A312100 A-121 ISAAC DONOHO TRACT 3 ACRES 241.0 P/O 308.00 ACRES
6	R258196	CONFIDENTIAL		ABS A312100 A-121 ISAAC DONOHO TRACT 20-4 ACRES 21.096
7	R266616	GOODRUM KIMBERLY ANN MATHIS	23308 MACK WASHINGTON LN	ABS A312100 A-121 ISAAC DONOHO TRACT 20-5 ACRES 8.634
8	R253800	THUROW SCOTT & DONGFANG LIA	8314 LANGDON LN HOUSTON TX 77036	ABS A312100 A-121 ISAAC DONOHO TRACT 26-1 ACRES 34.264
9	R170363	FORD COLBY	13419 ROCKY CREEK ESTATES DR HOCKLEY TX 77447	ABS A312100 A-121 ISAAC DONOHO TRACT 28-4 ACRES 18.577 P/O 23.797 ACRES
10	R170364	FORD COLBY	13419 ROCKY CREEK ESTATES DR HOCKLEY TX 77447	ABS A312100 A-121 ISAAC DONOHO TRACT 28-5 ACRES 5.22 P/O 23.797 ACRES
11	R45690	MACHAC CAROLE ANNE	PO BOX 236 WALLER TX 77484	ABS A312100 A-121 ISAAC DONOHO TRACT 25 ACRES 50.535 P/O 148.446 ACRES
12	R44493	MACHAC CAROLE ANNE	PO BOX 236 WALLER TX 77485	ABS A301100 A-11 JOSEPH BAKER TRACT 15 HUD TEX125003; ACRES 97.911 P/O 148.446 ACRES
13	R260482	BROUNKOWSKI KARL KEITH	41703 BLUMBERG RD HEMPSTEAD TX 77445	ABS A301100 A-11 JOSEPH BAKER TRACT 10-2 ACRES 17.3716



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**HEMPSTEAD 209
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LAND OWNERS EXHIBIT**

CLIENT INFORMATION
VAL WEST DEVELOPMENT, LLC
JONATHAN SCHUMANN
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ROSENBERG, TX 77471

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PROJECT 10995 DATE 05/29/2024

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NUMBER	PROPERTY ID	OWNER NAME	OWNER MAILING ADDRESS	LEGAL DESCRIPTION
1	R45673	BLUMBERG 209 LLC	3103 AMBER LN ROSENBURG TX 77471	ABS A312100 A-121 ISAAC DONOHO TRACT 2 ACRES 189.595
2	R170558	MAIER JARED & KELLYE	41341 BLUMBERG RD HEMPSTEAD TX 77445	ABS A301100 A-11 JOSEPH BAKER TRACT 10-1 ACRES 0.9 P/O 5.00 AC
3	R245536	MAIER JARED & KELLYE	41341 BLUMBERG RD HEMPSTEAD TX 77445	ABS A312100 A-121 ISAAC DONOHO TRACT 2-2 ACRES 4.1 P/O 5.00 AC
4	R170559	WEBB MARIE L	42047 BLUMBERG RD HEMPSTEAD TX 77445	ABS A312100 A-121 ISAAC DONOHO TRACT 2-1 ACRES 25. P/O 40.155 AC
5	R45674	SCHIEL DEBBY SUE	PO BOX 35 HEMPSTEAD TX 77445	ABS A312100 A-121 ISAAC DONOHO TRACT 3 ACRES 241.0 P/O 308.00 ACRES
6	R258196	CONFIDENTIAL		ABS A312100 A-121 ISAAC DONOHO TRACT 20-4 ACRES 21.096
7	R266616	GOODRUM KIMBERLY ANN MATHIS	23308 MACK WASHINGTON LN HEMPSTEAD TX 77445	ABS A312100 A-121 ISAAC DONOHO TRACT 20-5 ACRES 8.634
8	R253800	THUROW SCOTT & DONGFANG LIA	8314 LANGDON LN HOUSTON TX 77036	ABS A312100 A-121 ISAAC DONOHO TRACT 26-1 ACRES 34.264
9	R170363	FORD COLBY	13419 ROCKY CREEK ESTATES DR HOCKLEY TX 77447	ABS A312100 A-121 ISAAC DONOHO TRACT 28-4 ACRES 18.577 P/O 23.797 ACRES
10	R170364	FORD COLBY	13419 ROCKY CREEK ESTATES DR HOCKLEY TX 77447	ABS A312100 A-121 ISAAC DONOHO TRACT 28-5 ACRES 5.22 P/O 23.797 ACRES
11	R45690	MACHAC CAROLE ANNE	PO BOX 236 WALLER TX 77484	ABS A312100 A-121 ISAAC DONOHO TRACT 25 ACRES 50.535 P/O 148.446 ACRES
12	R44493	MACHAC CAROLE ANNE	PO BOX 236 WALLER TX 77485	ABS A301100 A-11 JOSEPH BAKER TRACT 15 HUD TEX125003; ACRES 97.911 P/O 148.446 ACRES
13	R260482	BROUNKOWSKI KARL KEITH	41703 BLUMBURG RD HEMPSTEAD TX 77445	ABS A301100 A-11 JOSEPH BAKER TRACT 10-2 ACRES 17.3716

Blumberg 209, Llc
3103 Amber Ln
Rosenburg Tx 77471

Maier Jared & Kellye
41341 Blumberg Rd
Hempstead Tx 77445

Webb Marie L
42047 Blumberg Rd
Hempstead Tx 77445

Schiel Debby Sue
Po Box 35
Hempstead Tx 77445

Goodrum Kimberly Ann Mathis
23308 Mack Washington Ln
Hempstead Tx 77445

Thurrow Scott & Dongfang Lia
8314 Langdon Ln
Houston Tx 77036

Ford Colby
13419 Rocky Creek Estates Dr Hockley
Tx 77447

Machac Carole Anne
Po Box 236
Waller Tx 77484

Brounkowski Karl Keith
41703 Blumberg Rd
Hempstead Tx 77445

Blumberg 209, Llc
3103 Amber Ln
Rosenburg Tx 77471

Maier Jared & Kellye
41341 Blumberg Rd
Hempstead Tx 77445

Webb Marie L
42047 Blumberg Rd
Hempstead Tx 77445

Schiel Debby Sue
Po Box 35
Hempstead Tx 77445

Goodrum Kimberly Ann Mathis
23308 Mack Washington Ln
Hempstead Tx 77445

Thurrow Scott & Dongfang Lia
8314 Langdon Ln
Houston Tx 77036

Ford Colby
13419 Rocky Creek Estates Dr Hockley
Tx 77447

Machac Carole Anne
Po Box 236
Waller Tx 77484

Brounkowski Karl Keith
41703 Blumberg Rd
Hempstead Tx 77445

Leah Whallon

From: Leah Whallon
Sent: Thursday, July 25, 2024 2:05 PM
To: Levi Love, PE
Cc: Jerry Barnes; Jonathan Schumann
Subject: RE: Application for Proposed Permit No. WQ0016563001; Blumberg 209, LLC; Hempstead 209 WWTP

Hi Levi,

Landowner "1" is listed as the applicant, Blumberg 209, LLC. The applicant cannot be their own adjacent landowner. The map will need to show "1" as the applicant's property boundary, and everything adjacent to "1" as the affected landowner properties. Please let me know if you have any questions.

Thanks,



Leah Whallon

Texas Commission on Environmental Quality
Water Quality Division
512-239-0084
leah.whallon@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at
www.tceq.texas.gov/customersurvey

From: Levi Love, PE <levi@l2engineering.com>
Sent: Thursday, July 25, 2024 1:56 PM
To: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>
Cc: Jerry Barnes <jbarnes@l2engineering.com>; Jonathan Schumann <js@val-west.com>
Subject: Re: Application for Proposed Permit No. WQ0016563001; Blumberg 209, LLC; Hempstead 209 WWTP

Ms. Whallon,

Jumping in here. Our intention on the map exhibit is to show that landowner "1" completely surrounds the treatment plant site, which will be owned by the operating entity. This is how we have handled prior applications, but please let us know if we checked the wrong box somewhere in the application to indicate otherwise.

Thank you,
E. Levi Love Jr.
President
[L-Squared Engineering](http://L-Squared-Engineering.com)
O: 936.647.0420
C: 936.689.2006

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On Jul 25, 2024, at 1:47 PM, Leah Whallon <Leah.Whallon@Tceq.Texas.Gov> wrote:

Hi Jerry,

I've reviewed the response and there is still one item that needs to be addressed for the application to be administratively complete.

The revised affected landowners map does not include all properties adjacent to the applicant's property boundaries. A revised map, list, and mailing labels are needed and must include all adjacent landowners of the applicant.

Please reference the application instructions for more details on the requirements of the affected landowners information, starting on page 36 of the [Completing the Domestic Wastewater Permit Application](#).

The other items have been completed. I can send a second letter to extend 30 days to complete the response.

Please let me know if you have any questions.

Thanks,

 **Leah Whallon**
Texas Commission on Environmental Quality
Water Quality Division
512-239-0084
leah.whallon@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From: Leah Whallon

Sent: Tuesday, July 16, 2024 11:18 AM

To: Jerry Barnes <jbarnes@l2engineering.com>; Levi Love, PE <levi@l2engineering.com>

Cc: Jonathan Schumann <js@val-west.com>

Subject: RE: Application for Proposed Permit No. WQ0016563001; Blumberg 209, LLC; Hempstead 209 WWTP

Thank you, Jerry.

Your response has been received. I will review and follow up with you as soon as possible. Please let me know if you have any questions.

Thanks,

 **Leah Whallon**
Texas Commission on Environmental Quality
Water Quality Division
512-239-0084
leah.whallon@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

From: Jerry Barnes <jbarnes@l2engineering.com>
Sent: Monday, July 15, 2024 5:48 PM
To: Levi Love, PE <levi@l2engineering.com>
Cc: Leah Whallon <Leah.Whallon@Tceq.Texas.Gov>; Jonathan Schumann <js@val-west.com>
Subject: Re: Application for Proposed Permit No. WQ0016563001; Blumberg 209, LLC; Hempstead 209 WWTP

Good evening Leah,

Please find the requested forms attached, a comment response is also provided for your reference.

If you have any questions or concerns, please do not hesitate to contact me.

Thank you,

On Wed, Jul 3, 2024 at 4:39 PM Levi Love, PE <levi@l2engineering.com> wrote:

Ms. Whallon,

Thank you for the comments. We will address and respond well within the deadline. Have a great Fourth of July!

Thank you,
E. Levi Love Jr.
President
[L-Squared Engineering](http://L-Squared-Engineering.com)
O: 936.647.0420
C: 936.689.2006

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On Jul 3, 2024, at 12:30 PM, Leah Whallon
<Leah.Whallon@Tceq.Texas.Gov> wrote:

Good Afternoon,

Please see the attached Notice of Deficiency letter dated July 3, 2024 requesting additional information needed to declare the application administratively complete. Please send the complete response by July 17, 2024.

Please let me know if you have any questions.

Thank you,

Leah Whallon

Texas Commission on Environmental Quality

Water Quality Division

512-239-0084

leah.whallon@tceq.texas.gov

How is our customer service? Fill out our online customer satisfaction survey at www.tceq.texas.gov/customersurvey

--

Jerry Barnes

jbarnes@l2engineering.com

O: 936.647.0420

L Squared Engineering

3307 West Davis Street, Suite 100

Conroe, TX 77304

<image002.jpg>

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To: Texas Commission on Environmental Quality
From: Levi Love, PE
Date: July 15, 2024
Re: Application for Proposed Permit No.: WQ0016563001 (EPA I.D. No. TX0146234)

Please find your list of comments with our explanation or description of revision in **bold underline** below:

Plan Review:

1. Core Data Form, Section III, Items 24 and 25 Please provide an updated page to provide the County and revised location description to match the description used in the application in place of the driving directions, "located approximately one mile northeast of the intersection of State Highway 6 and U.S. Highway 290."

Response: The location description and the county have been updated to the following " Located approximately one mile northeast of the intersection of State Highway 6 and U.S. Highway 290, near the city of Hempstead, in Waller County, Texas 77445."

2. Administrative Report 1.0, Section 13 – USGS Map (Attachment C) No information is shown on the map. Please provide a USGS map illustrating all required items, including applicant's property boundary, treatment facility boundary, buffer zone, point of discharge, highlighted discharge route for 3 miles downstream and one mile radius information.

Response: Please refer to Attachment M for the USGS Map with all the above required items.

3. Administrative Report 1.1, Section 1 – Affected Landowner Information The affected landowner map does not show and label the applicant's property boundary or the properties adjacent to the applicant's property boundary. Please provide an updated landowner map that shows and labels the applicant's property boundary and all adjacent properties. The administrative report Section 9 indicates the applicant owns the land where the facility is located, but this is not consistent with the map provided.

Please also provide an updated cross-reference landowner list and the landowner list formatted for mailing labels (Avery 5160) in a Microsoft Word document.

Response: Attahment K has been updated to reflect the applicants property information and an microdsoft word file has been provided in this resubmittal.

4. Technical Report 1.0, Section 1 The proposed final phase flow is listed as 0.125 MGD, but the application fee and plain language summary indicate a final phase flow of 0.25 MGD. Please provide an updated page to correct the proposed final phase flow..

Response: This sheet has been revised to indicate a final phase flow of 0.25 MGD.

5. The following is a portion of the NORI which contains information relevant to your application. Please read it carefully and indicate if it contains any errors or omissions. The complete notice will be sent to you once the application is declared administratively complete. APPLICATION. Blumberg 209, LLC, 3103 Amber Lane, Rosenberg, Texas 77471, has applied to the Texas Commission on Environmental Quality (TCEQ) for proposed Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016563001 (EPA I.D. No. TX0146234) to authorize the discharge of treated wastewater at a volume not to exceed a daily average flow of 250,000 gallons per day. The domestic wastewater treatment facility will be located approximately one mile northeast of the intersection of State Highway 6 and U.S. Highway 290, near the city of Hempstead, in Waller County, Texas 77445. The discharge route will be from the plant site to a ditch, thence to a detention pond, thence to an unnamed tributary of Clear Creek; thence to Clear Creek; thence to Brazos River Below Navasota River. TCEQ received this application on June 24, 2024. The permit application will be available for viewing and copying at Waller County Public Library, 2331 11th Street, Hempstead, in Waller 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=-96.0606,30.122233&level=18>

Further information may also be obtained from Blumberg 209, LLC at the address stated above or by calling Mr. E. Levi Love, Jr., P.E., L Squared Engineering, at 936-647-0420

Response: The provided portion of the Nori is correct.

6. The application indicates that public notices in Spanish are required. After confirming the portion of the NORI above does not contain any errors or omissions, please use the attached template to translate the NORI into Spanish. Only the first and last paragraphs are unique to this application and require translation. Please provide the translated Spanish NORI in a Microsoft Word Document.

Response: The Spanish NORI will be provided in resubmittal.



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.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> 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		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)			
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>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).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Blumberg 209, LLC					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
805480304		32094382333		99-2190428	
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input checked="" type="checkbox"/> Other: Texas LLC	
12. Number of Employees				13. Independently Owned and Operated?	
<input checked="" type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:	3103 Amber Ln				
	City	Rosenberg	State	TX	ZIP 77471 ZIP + 4
16. Country Mailing Information (if outside USA)			17. E-Mail Address (if applicable)		
			js@val-west.com		

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(281) 814-4465		() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)							
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information							
<i>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).</i>							
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)							
Hempstead 209 Wastewater Treatment Plant							
23. Street Address of the Regulated Entity: (No PO Boxes)							
	City		State		ZIP		ZIP + 4
24. County	Waller County						

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

25. Description to Physical Location:	Located approximately one mile northeast of the intersection of State Highway 6 and U.S. Highway 290, near the city of Hempstead, in Waller County, Texas 77445.						
26. Nearest City	State				Nearest ZIP Code		
Hempstead	TX				77445		
<i>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).</i>							
27. Latitude (N) In Decimal:	30.122233			28. Longitude (W) In Decimal:	-96.060607		
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
30	7	18.7	96	3	33.7		
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)		
6532	6552		531390		237210		
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)							
Real Estate							
34. Mailing Address:	3103 Amber Ln						
	City	Rosenburg	State	TX	ZIP	77471	ZIP + 4
35. E-Mail Address:	JS@val-west.com						
36. Telephone Number	37. Extension or Code			38. Fax Number (if applicable)			
(281) 814-4465				() -			

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.

<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input checked="" type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	E. Levi Love Jr.	41. Title:	Professional Engineer
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(936) 647-0420		() -	Levi@L2Engineering.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:	Blumberg 209, LLC	Job Title:	Owner/Operator
Name (In Print):	Jonathan Schumann	Phone:	(281) 814- 4465
Signature:		Date:	

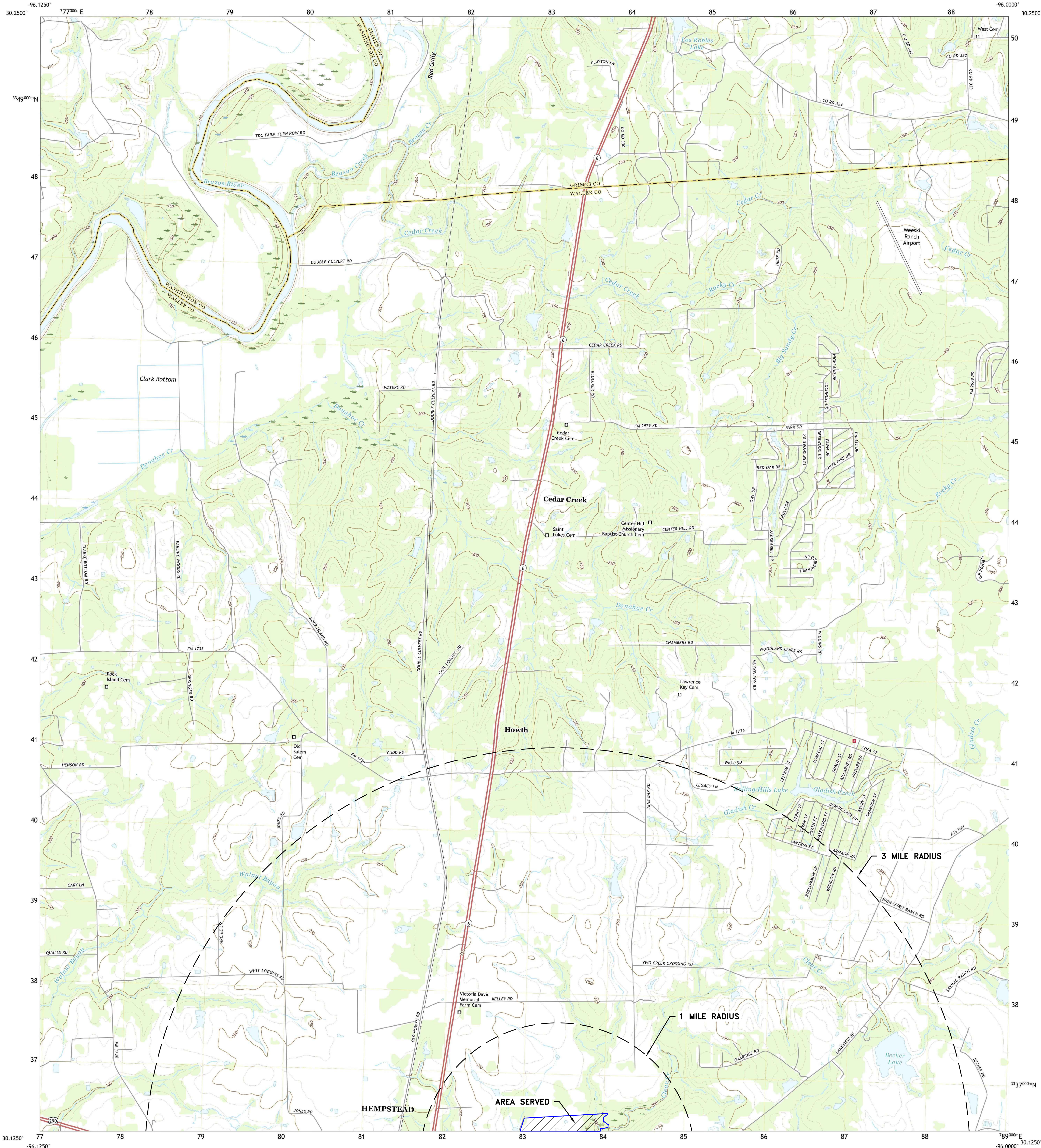
Attachment M – USGS Map Showing Site Location



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



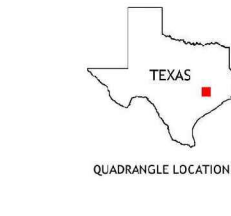
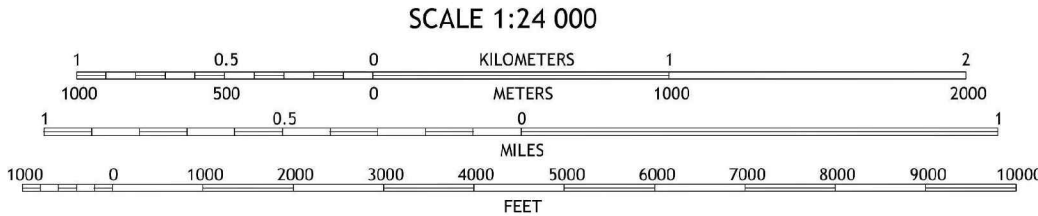
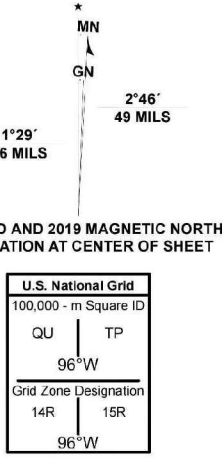
HOWTH QUADRANGLE
TEXAS
7.5-MINUTE SERIES



L SQUARED ENGINEERING

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 - 2019
Names.....GAS, 1979 - 2022
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2004
Boundaries.....Multiple sources; see metadata file 2019 - 2021
Wetlands.....FWS National Wetlands Inventory Not Available



1	2	3
4	5	6
7	8	9

1 Washington
2 Courtney
3 Stoneham
4 Daniels
5 Waller NW
6 Buckhorn
7 Hempstead
8 Waller

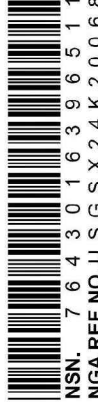


HOWTH, TX
2022





HEMPSTEAD, TX
2022





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 43)

A. Existing/Interim I Phase

Design Flow (MGD): 0.0625

2-Hr Peak Flow (MGD): 0.25

Estimated construction start date: January 2026

Estimated waste disposal start date: December 2026

B. Interim II Phase

Design Flow (MGD): 0.125

2-Hr Peak Flow (MGD): 0.50

Estimated construction start date: January 2028

Estimated waste disposal start date: December 2028

C. Final Phase

Design Flow (MGD): 0.25

2-Hr Peak Flow (MGD): 1

Estimated construction start date: January 2030

Estimated waste disposal start date: December 2030

D. Current Operating Phase: N/A

Provide the startup date of the facility: N/A

Section 2. Treatment Process (Instructions Page 43)

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

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. WQ00_____

SOLICITUD. Blumberg 209, LLC, 3103 Amber Lane, Rosenberg, Texas 77471, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016563001 (EPA I.D. No. TX0146234) 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 250,000 galones por día. La planta está ubicada aproximadamente una milla al noreste de la intersección de la autopista estatal 6 y la autopista estadounidense 290, cerca de la ciudad de Hempstead en el Condado de Waller, Texas. La ruta de descarga es del sitio de la planta a desde el sitio de la planta hasta una zanja, de allí a un estanque de detención, de allí a un afluente sin nombre de Clear Creek; de allí a Clear Creek; de allí al río Brazos debajo del río Navasota. La TCEQ recibió esta solicitud el June 24, 2024. La solicitud para el permiso estará disponible para leerla y copiarla en Waller County Public Library, 2331 11th Street, Hempstead, in Waller County, Texas antes de la fecha de publicación de este aviso en el periódico. 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=-96.0606,30.122233&level=18>

[Include the following non-italicized sentence if the facility is located in the Coastal Management Program boundary. The Coastal Management Program boundary is the area along the Texas Coast of the Gulf of México as depicted on the map in 31 TAC §503.1 and includes part or all of the following counties: Cameron, Willacy, Kenedy, Kleberg, Nueces, San Patricio, Aransas, Refugio, Calhoun, Victoria, Jackson, Matagorda, Brazoria, Galveston, Harris, Chambers, Jefferson y Orange.] El Director Ejecutivo de la TCEQ ha revisado esta medida para ver si está de acuerdo con los objetivos y las regulaciones del Programa de Administración Costero de Texas (CMP) de acuerdo con las regulaciones del Consejo Coordinador de la Costa (CCC) y ha determinado que la acción es conforme con las metas y regulaciones pertinentes del CMP.

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 todos 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 de correos siguientes (1) la lista de correo permanente para recibir los avisos de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agregue 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.

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 Blumberg 209, LLC a la dirección indicada arriba o llamando a Mr. E. Levi Love, Jr., P.E., L Squared Engineering, al 936-647-0420.

Fecha de emisión _____ *[Date notice issued]*