



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

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

East Lake Houston Management District (CN605929686) operates the Villa Robles wastewater treatment plant (RN111118824), a mix variation of the activated sludge process. The domestic wastewater treatment facility is located approximately 0.9 mile northwest of the intersection of Louetta Road and Telge Road, near the city of Tomball, in Harris County, Texas 77429.

This application is for a renewal to discharge at an annual average flow of 75,000 gallons per day of treated domestic wastewater via Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated from the lift station the wastewater will travel through a coarse bar screen 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.

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 son representaciones federales exigibles de la solicitud de permiso.

El Distrito de Gestión de East Lake Houston (CN605929686) opera la planta de tratamiento de aguas residuales Villa Robles (RN111118824), una variación mixta del proceso de lodos activados. La instalación de tratamiento de aguas residuales domésticas se encuentra aproximadamente a 0.9 millas al noroeste de la intersección de Louetta Road y Telge Road, cerca de la ciudad de Tomball, en el Condado de Harris, Texas 77429.

Esta solicitud es para una renovación para descargar a un flujo promedio anual de 75,000 galones por día de aguas residuales domésticas tratadas a través del desagüe 001.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 del Informe Técnico Doméstico 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permisos. Las aguas residuales domésticas se tratan desde la estación de bombeo, las aguas residuales viajarán a través de una criba de barra gruesa y luego a la cuenca de mezcla completa; Desde la cuenca, la mezcla de licor se transferirá al clarificador, donde los sólidos se sedimentarán y el agua clara fluirá sobre las presas y luego hacia la cuenca de contacto con el cloro. Los sólidos sedimentados se transferirán al digestor o se devolverán a la planta de cabecera.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY



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

PERMIT NO. WQ0015942001

APPLICATION. East Lake Houston Management District, 600 West 5th Street, Austin, Texas 78707, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015942001 (EPA I.D. No. TX0140767) to authorize the relocation of the existing discharge point. The domestic wastewater treatment facility is located approximately 0.9 mile northwest of the intersection of Louetta Road and Telge Road, near the city of Tomball, in Harris County, Texas 77429. The discharge route is from the plant site to an unnamed tributary; thence to Little Cypress Creek; thence to Cypress Creek. TCEQ received this application on June 23, 2025. The permit application will be available for viewing and copying at Northwest Branch Library, 11355 Regency Green Drive, Cypress, in Harris 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=-95.661388,30.011944&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 East Lake Houston Management District at the address stated above or by calling Ms. Robin Butcko, B.B.A., Permitting Services, LLC, at 713-458-8612.

Issuance Date: July 30, 2025

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO NO. WQ0015942001

SOLICITUD. Distrito de Manejo del Este de Lake Houston, 600 West 5th Street, Austin, Texas 78707, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. WQ0015942001 (EPA I.D. No. TX0140767) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la reubicación del punto de descarga. La planta está ubicada aproximadamente a 0.9 milla al noroeste de la intersección de Louetta Road y Telge Road, cerca de la ciudad de Tomball en el Condado de Harris, Texas 77429. La ruta de descarga es del sitio de la planta a un afluente sin nombre; de allí a Little Cypress Creek; de allí a Cypress Creek. La TCEQ recibió esta solicitud el 23 de junio de 2025. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca de la Rama Noroeste, 11355 Regency Green Drive, Cypress, en el Condado de Harris, 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://www.tceq.texas.gov/permitting/wastewater/pending-permits/tpdes-applications>

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ

realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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

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

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

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

correos siguientes (1) la lista de correo permanente para recibir los avisos del solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado 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 Distrito de Manejo del Lago Este de Houston a la dirección indicada arriba o llamando a Sra. Robin Butcko al 713-458-8612.

Fecha de emisión: 30 de julio de 2025



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

DOMESTIC WASTEWATER PERMIT APPLICATION CHECKLIST

Complete and submit this checklist with the application.

APPLICANT NAME: East Lake Houston Management District

PERMIT NUMBER (If new, leave blank): WQ00 15942001

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	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Administrative Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Affected Landowners Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
SPIF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landowner Disk or Labels	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Core Data Form	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Buffer Zone Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Public Involvement Plan Form	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Flow Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Site Drawing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Technical Report 1.1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Original Photographs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.0	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Design Calculations	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 2.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Solids Management Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Worksheet 3.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Water Balance	<input checked="" type="checkbox"/>	<input 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 checked="" 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 checked="" type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input 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: 1067
Check/Money Order Amount: \$350.00
Name Printed on Check: 81 Villa Robles, Ltd.

EPAY Voucher Number: Click to enter text.

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 26)

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

- ☒ Publicly-Owned Domestic Wastewater
☐ Privately-Owned Domestic Wastewater
☐ Conventional 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: Discharge Point Relocated

f. For existing permits:

Permit Number: WQ00 15942001

EPA I.D. (TPDES only): TX 0140767

Expiration Date: January 19, 2027

Section 3. Facility Owner (Applicant) and Co-Applciant 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?

East Lake Houston Management District

(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: 605929686

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: Ms.

Last Name, First Name: Fuqua, Lynda

Title: District Engineer

Credential: PE

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?

N/A

(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: N/A

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: N/A

Last Name, First Name: N/A

Title: N/A

Credential: N/A

Provide a brief description of the need for a co-permittee: N/A

C. Core Data Form

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

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: Ms. Last Name, First Name: Butcko, Robin
Title: Senior Wastewater Consultant Credential: BBA
Organization Name: Permitting Services, LLC
Mailing Address: 4700 S. Kirkwood Road, Suite 513 City, State, Zip Code: Houston, TX 77072
Phone No.: 713-458-8612 E-mail Address: robin@permittingservices.net
Check one or both: ☒ Administrative Contact ☒ Technical Contact
- B. Prefix: Ms. Last Name, First Name: Fuqua, Lynda
Title: District Engineer Credential: PE
Organization Name: FDR Consulting LLC
Mailing Address: 4311 La Branch Street City, State, Zip Code: Houston, TX 77004
Phone No.: 281-797-7754 E-mail Address: fdr@fdrconsultingllc.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: Ms. Last Name, First Name: Butcko, Robin
Title: Senior Wastewater Consultant Credential: BBA
Organization Name: Permitting Services, LLC
Mailing Address: 4700 S. Kirkwood Road, Suite 513 City, State, Zip Code: Houston, TX 77072
Phone No.: 713-458-8612 E-mail Address: robin@permittingservices.net

B. Prefix: Ms. Last Name, First Name: Fuqua, Lynda
Title: District Engineer Credential: PE
Organization Name: FDR Consulting LLC
Mailing Address: 4311 La Branch Street City, State, Zip Code: Houston, TX 77004
Phone No.: 281-797-7754 E-mail Address: fdr@fdrconsultingllc.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: Ms. Last Name, First Name: Fuqua, Lynda
Title: District Engineer Credential: PE
Organization Name: FDR Consulting LLC
Mailing Address: 4311 La Branch Street City, State, Zip Code: Houston, TX 77004
Phone No.: 281-797-7754 E-mail Address: fdr@fdrconsultingllc.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: Ms. Last Name, First Name: Fuqua, Lynda
Title: District Engineer Credential: PE
Organization Name: FDR Consulting LLC
Mailing Address: 4311 La Branch Street City, State, Zip Code: Houston, TX 77004
Phone No.: 281-797-7754 E-mail Address: fdr@fdrconsultingllc.com

Section 8. Public Notice Information (Instructions Page 27)

A. Individual Publishing the Notices

Prefix: Ms. Last Name, First Name: Butcko, Robin
Title: Senior Wastewater Consultant Credential: BBA
Organization Name: Permitting Services, LLC
Mailing Address: 4700 S. Kirkwood Road, Suite 513 City, State, Zip Code: Houston, TX 77072
Phone No.: 713-458-8612 E-mail Address: robin@permittingservices.net

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: Ms. Last Name, First Name: Butcko, Robin
Title: Senior Wastewater Consultant Credential: BBA
Organization Name: Permitting Services, LLC
Mailing Address: 4700 S. Kirkwood Road, Suite 513 City, State, Zip Code: Houston, TX 77072
Phone No.: 713-458-8612 E-mail Address: robin@permittingservices.net

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: North West Branch Library
Location within the building: Click to enter text.
Physical Address of Building: 11355 Regency Green Drive
City: Cypress County: Harris
Contact (Last Name, First Name): Librarian
Phone No.: 832-927-5460 Ext.: Click to enter text.

E. Bilingual Notice Requirements

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

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

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

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

☒ Yes ☐ No

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

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

☒ Yes ☐ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

F. Plain Language Summary Template

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

Attachment: A-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: A-3

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** 111118824

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):

Villa Robles Subdivision

C. Owner of treatment facility: East Lake Houston Management District

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

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

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

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

Organization Name: East Lake Houston Management District

Mailing Address: 600 W. 5th Street, Suite 900 City, State, Zip Code: Austin, TX 78701

Phone No.: 512-370-2931 E-mail Address: rmartin@winstead.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: Click to enter text.

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:

The facility will be located 0.4 miles west of Telge Road and 0.42 miles WNW of the intersection of Telge Road and South Telge Manor Drive

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:

From the facility thence to Harris County Flood Control Ditch L129-00-00 to Little Cypress Creek

City nearest the outfall(s): Tomball

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

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

☒ Yes ☐ No

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

- ☐ Authorization granted ☒ Authorization pending

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

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

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

[Click to enter text.](#)

- B. City nearest the disposal site: [Click to enter text.](#)

- C. County in which the disposal site is located: [Click to enter text.](#)

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

[Click to enter text.](#)

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

Section 12. Miscellaneous Information (Instructions Page 32)

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

☐ Yes ☒ No

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

☐ Yes ☐ No ☒ Not Applicable

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

[Click to enter text.](#)

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

☐ Yes ☒ No

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

D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number: [Click to enter text.](#)

Amount past due: [Click to enter text.](#)

Section 13. Attachments (Instructions Page 33)

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

- ☐ Lease agreement or deed recorded easement, if the land where the treatment facility is located or the effluent disposal site are not owned by the applicant or co-applicant.
- ☒ Original full-size USGS Topographic Map with the following information:
- Applicant's property boundary
 - Treatment facility boundary
 - Labeled point of discharge for each discharge point (TPDES only)
 - Highlighted discharge route for each discharge point (TPDES only)
 - Onsite sewage sludge disposal site (if applicable)
 - Effluent disposal site boundaries (TLAP only)
 - New and future construction (if applicable)
 - 1 mile radius information
 - 3 miles downstream information (TPDES only)
 - All ponds.
- ☐ Attachment 1 for Individuals as co-applicants
- ☒ Other Attachments. Please specify: Core Data Form, Site Drawing, Flow Diagram, Copy of Check

Section 14. Signature Page (Instructions Page 34)

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

Permit Number: WQ0015942001

Applicant: East Lake Houston Management District

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): Lynda Fuqua

Signatory title: District Engineer

Signature: _____

(Use blue ink)

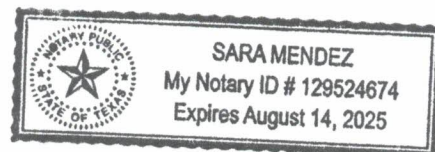
Date: 2/17/2025

Subscribed and Sworn to before me by the said Lynda Fuqua
on this 17 day of February, 2025.
My commission expires on the 14 day of August, 2025.

Sara Mendez
Notary Public

[SEAL]

Harris
County, Texas



DOMESTIC WASTEWATER PERMIT APPLICATION ADMINISTRATIVE REPORT 1.0

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 36)

- A. Indicate by a check mark that the landowners map or drawing, with scale, includes the following information, as applicable:
- ☒ The applicant's property boundaries
 - ☒ The facility site boundaries within the applicant's property boundaries
 - ☐ The distance the buffer zone falls into adjacent properties and the property boundaries of the landowners located within the buffer zone
 - ☒ The property boundaries of all landowners surrounding the applicant's property (Note: if the application is a major amendment for a lignite mine, the map must include the property boundaries of all landowners adjacent to the new facility (ponds).)
 - ☐ The point(s) of discharge and highlighted discharge route(s) clearly shown for one mile downstream
 - ☐ The property boundaries of the landowners located on both sides of the discharge route for one full stream mile downstream of the point of discharge
 - ☐ The property boundaries of the landowners along the watercourse for a one-half mile radius from the point of discharge if the point of discharge is into a lake, bay, estuary, or affected by tides
 - ☐ The boundaries of the effluent disposal site (for example, irrigation area or subsurface drainfield site) and all evaporation/holding ponds within the applicant's property
 - ☐ The property boundaries of all landowners surrounding the effluent disposal site
 - ☐ The boundaries of the sludge land application site (for land application of sewage sludge for beneficial use) and the property boundaries of landowners surrounding the applicant's property boundaries where the sewage sludge land application site is located
 - ☐ The property boundaries of landowners within one-half mile in all directions from the applicant's property boundaries where the sewage sludge disposal site (for example, sludge surface disposal site or sludge monofill) is located
- B. ☐ Indicate by a check mark that a separate list with the landowners' names and mailing addresses cross-referenced to the landowner's map has been provided.
- C. Indicate by a check mark 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: 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):

None Known

Section 2. Original Photographs (Instructions Page 38)

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

- ☒ At least one original photograph of the new or expanded treatment unit location
- ☐ At least two photographs of the existing/proposed point of discharge and as much area downstream (photo 1) and upstream (photo 2) as can be captured. If the discharge is to an open water body (e.g., lake, bay), the point of discharge should be in the right or left edge of each photograph showing the open water and with as much area on each respective side of the discharge as can be captured.
- ☐ At least one photograph of the existing/proposed effluent disposal site
- ☐ A plot plan or map showing the location and direction of each photograph

Section 3. Buffer Zone Map (Instructions Page 38)

- A. Buffer zone map. Provide a buffer zone map on 8.5 x 11-inch paper with all of the following information. The applicant's property line and the buffer zone line may be distinguished by using dashes or symbols and appropriate labels.
- The applicant's property boundary;
 - The required buffer zone; and
 - Each treatment unit; and
 - The distance from each treatment unit to the property boundaries.
- B. Buffer zone compliance method. Indicate how the buffer zone requirements will be met. Check all that apply.
- ☒ Ownership
 - ☐ Restrictive easement
 - ☐ Nuisance odor control
 - ☐ Variance
- C. Unsuitable site characteristics. Does the facility comply with the requirements regarding unsuitable site characteristic found in 30 TAC § 309.13(a) through (d)?
- ☒ Yes ☐ No

DOMESTIC WASTEWATER PERMIT APPLICATION

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

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

Attachment: A-5



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): 0.025

2-Hr Peak Flow (MGD): 0.10

Estimated construction start date: UPON PERMIT ISSUANCE

Estimated waste disposal start date: UPON PERMIT ISSUANCE

B. Interim II Phase

Design Flow (MGD): 0.050

2-Hr Peak Flow (MGD): 0.20

Estimated construction start date: 2026

Estimated waste disposal start date: 2026

C. Final Phase

Design Flow (MGD): 0.075

2-Hr Peak Flow (MGD): 0.30

Estimated construction start date: 2027

Estimated waste disposal start date: 2027

D. Current Operating Phase

Provide the startup date of the facility: Proposed Facility

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.**

Attachment T-1

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)
Attachment T-1		

C. Process Flow Diagram

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

Attachment: T-2

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°0'41.78" N
- Longitude: 95°39'48.06" W

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

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

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

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

Attachment: T-3

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

Villa Robles Subdivision

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
Villa Robles	South Central Water Company	Privately Owned	364
		Choose an item.	
		Choose an item.	
		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.**

Click to enter text.

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.

[Click to enter text.](#)

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.**

[Click to enter text.](#)

B. Buffer zones

Have the buffer zone requirements been met?

☒ Yes ☐ No

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

[Click to enter text.](#)

C. Other actions required by the current permit

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

☐ Yes ☒ No

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

Click to enter text.

D. Grit and grease treatment

1. Acceptance of grit and grease waste

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

☐ Yes ☒ No

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

2. Grit and grease processing

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

Click to enter text.

3. Grit disposal

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

☐ Yes ☒ No

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

Describe the method of grit disposal.

Click to enter text.

4. Grease and decanted liquid disposal

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

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

Click to enter text.

E. Stormwater management

1. Applicability

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

☐ Yes ☒ No

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

☐ Yes ☒ No

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

2. MSGP coverage

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

☐ Yes ☒ No

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

TXR05 [Click to enter text.](#) or TXRNE [Click to enter text.](#)

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

☐ Yes ☐ No

3. Conditional exclusion

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

☐ Yes ☐ No

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

Click to enter text.

4. Existing coverage in individual permit

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

☐ Yes ☒ No

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

Click to enter text.

5. Zero stormwater discharge

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

☐ Yes ☒ No

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

Click to enter text.

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

6. Request for coverage in individual permit

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

☐ Yes ☒ No

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

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

[Click to enter text.](#)

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

F. Discharges to the Lake Houston Watershed

Does the facility discharge in the Lake Houston watershed?

☐ Yes ☒ No

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

[Click to enter text.](#)

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

1. Acceptance of sludge from other WWTPs

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

☐ Yes ☒ No

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

In addition, provide the date the plant started or is anticipated to start accepting sludge, an estimate of monthly sludge acceptance (gallons or millions of gallons), an estimate of the 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.

[Click to enter text.](#)

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

2. Acceptance of septic waste

Is the facility accepting or will it accept septic waste?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

☐ Yes ☒ No

If **yes to any of the above**, provide the date the plant started or is anticipated to start accepting septic waste, an estimate of monthly septic waste acceptance (gallons or millions of gallons), an estimate of the 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.

Click to enter text.

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

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

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

☐ Yes ☒ No

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

Click to enter text.

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 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, μ mohs/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	N/A	N/A	N/A	N/A	N/A
Total Dissolved Solids, mg/l	N/A	N/A	N/A	N/A	N/A
pH, standard units	N/A	N/A	N/A	N/A	N/A
Fluoride, mg/l	N/A	N/A	N/A	N/A	N/A
Aluminum, mg/l	N/A	N/A	N/A	N/A	N/A
Alkalinity (CaCO ₃), mg/l	N/A	N/A	N/A	N/A	N/A

Section 8. Facility Operator (Instructions Page 50)

Facility Operator Name: Precision Utility, LLCFacility Operator's License Classification and Level: Click to enter text.Facility Operator's License Number: Click to enter text.

Section 9. Sludge and Biosolids Management and Disposal (Instructions Page 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
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.
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): Attachment T-4

D. Disposal site

Disposal site name: Attachment T-4

TCEQ permit or registration number: Click to enter text.

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

E. Transportation method

Method of transportation (truck, train, pipe, other): Attachment T-4

Name of the hauler: Click to enter text.

Hauler registration number: Click to enter text.

Sludge is transported as a:

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

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 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: [Click to enter text.](#)

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

[Click to enter text.](#)

B. Temporary storage information

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

Nitrate Nitrogen, mg/kg: [Click to enter text.](#)

Total Kjeldahl Nitrogen, mg/kg: [Click to enter text.](#)

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

Phosphorus, mg/kg: [Click to enter text.](#)

Potassium, mg/kg: [Click to enter text.](#)

pH, standard units: [Click to enter text.](#)

Ammonia Nitrogen mg/kg: [Click to enter text.](#)

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

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

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

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

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

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

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

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

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

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

Total PCBs: [Click to enter text.](#)

Provide the following information:

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

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

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

C. Liner information

Does the active/proposed sludge lagoon(s) have a liner with a maximum hydraulic conductivity of 1×10^{-7} cm/sec?

☐ Yes ☐ No

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

[Click to enter text.](#)

D. Site development plan

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

[Click to enter text.](#)

Attach the following documents to the application.

- Plan view and cross-section of the sludge lagoon(s)
Attachment: [Click to enter text.](#)
- Copy of the closure plan
Attachment: [Click to enter text.](#)
- Copy of deed recordation for the site
Attachment: [Click to enter text.](#)
- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons
Attachment: [Click to enter text.](#)
- Description of the method of controlling infiltration of groundwater and surface water from entering the site
Attachment: [Click to enter text.](#)
- Procedures to prevent the occurrence of nuisance conditions
Attachment: [Click to enter text.](#)

E. Groundwater monitoring

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

☐ Yes ☐ No

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

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

Section 12. Authorizations/Compliance/Enforcement (Instructions Page 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:

Click to enter text.

B. Permittee enforcement status

Is the permittee currently under enforcement for this facility?

☐ Yes ☒ No

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

☐ Yes ☒ No

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

Click to enter text.

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

A. RCRA hazardous wastes

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

☐ Yes ☒ No

B. Remediation activity wastewater

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

☐ Yes ☒ No

C. Details about wastes received

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

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

Section 14. Laboratory Accreditation (Instructions Page 64)

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: Not in Operation

Title: Not in Operation

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.

The Villa Robles Wastewater Treatment Plant will discharge 0.24 MGD of permitted flow to be able to serve its Subdivision.

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: [T-5](#)

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: [T-5](#)

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

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

Section 2. Proposed Organic Loading (Instructions Page 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.

TCEQ Regulations

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	0.1	214
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	0.1	
AVERAGE BOD ₅ from all sources		214

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: Click to enter text.

Dissolved Oxygen, mg/l: 5

Other: Click to enter text.

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: Click to enter text.

Dissolved Oxygen, mg/l: 5

Other: Click to enter text.

C. Final Phase Design Effluent Quality

Biochemical Oxygen Demand (5-day), mg/l: Click to enter text.

Total Suspended Solids, mg/l: Click to enter text.

Ammonia Nitrogen, mg/l: Click to enter text.

Total Phosphorus, mg/l: Click to enter text.

Dissolved Oxygen, mg/l: Click to enter text.

Other: Click to enter text.

D. Disinfection Method

Identify the proposed method of disinfection.

☒ Chlorine: 4 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: T-6

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.

Click to enter text.

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

[Click to enter text.](#)

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: T-7

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: T-8

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).

[Click to enter text.](#)

C. Sea grasses

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

☐ Yes ☒ No

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

[Click to enter text.](#)

Section 3. Classified Segments (Instructions Page 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: [Click to enter text.](#)

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.

[Click to enter text.](#)

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.

[Click to enter text.](#)

E. Normal dry weather characteristics

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

[Click to enter text.](#)

Date and time of observation: [Click to enter text.](#)

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.

☐ Oil field activities

☐ Upstream discharges

☐ Septic tanks

☐ Urban runoff

☐ Agricultural runoff

☐ Other(s), specify: [Click to enter text.](#)

B. Waterbody uses

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

- | | |
|--|--|
| <input type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input 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-1
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 type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)	
<input checked="" 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 605929686	RN 11118824

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 type="checkbox"/> New Customer		<input checked="" type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
<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)		If new Customer, enter previous Customer below:	
East Lake Houston Management District			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
		86-3221189	
11. Type of Customer:		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input checked="" type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input checked="" type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:	
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 type="checkbox"/> Owner & Operator <input checked="" type="checkbox"/> Other: District Engineer			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
15. Mailing Address:			
Winstead c/o Mr. Ross Martin			
600 W. 5 th Street			
City		State	TX
Austin		ZIP	78701
		ZIP + 4	
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
		fdr@fdrconsultingllc.com	

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(281) 797-7754		() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If "New Regulated Entity" is selected, a new permit application is also required.)							
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" 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.)							
Villa Robles Wastewater Treatment Facility							
23. Street Address of the Regulated Entity: (No PO Boxes)							
	City		State		ZIP		ZIP + 4
24. County	Harris						

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

25. Description to Physical Location:	The facility will be located 0.4 miles west of Telge Rd. and 0.42 miles WNW of the interesection of Telge Rd and South Telge Manor Drive						
26. Nearest City					State	Nearest ZIP Code	
Tomball					TX	77429	
<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:		30.011692			28. Longitude (W) In Decimal:		-95.663337
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
30°	0'	41.78"N	-95°	39'	48.06"W		
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)		
4952							
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)							
Wastewater Treatement							
34. Mailing Address:	Winstead c/o Mr. Ross Martin						
	600 W 5 th Street						
	City	Austin	State	TX	ZIP	78701	ZIP + 4
35. E-Mail Address:	fdr@fdrconsultingllc.com						
36. Telephone Number	37. Extension or Code		38. Fax Number (if applicable)				
(281) 797-7754			() -				

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:
	WQ0016248001			

SECTION IV: Preparer Information

40. Name:	Robin Butcko	41. Title:	Senior Wastewater Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(713) 458-8612		() -	robin@permittingservices.net

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:	FDR Consulting LLC	Job Title:	District Engineer
Name (In Print):	Lynda Fuqua	Phone:	(281) 797- 7754
Signature:		Date:	

Attachment A-2

PLS Summary

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

East Lake Houston Management District (CN605929686) operates the Villa Robles wastewater treatment plant (RN111118824), a mix variation of the activated sludge process. The facility is located approximately 0.4 miles west of Telge Road and 0.42 miles west-northwest of the intersection of South Telge Manor Drive and Telge Road, in Harris County, Texas 77429.

This application is for a renewal to discharge at an annual average flow of 240,000 gallons per day of treated domestic wastewater via Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated from the lift station the wastewater will travel through a coarse bar screen 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.

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 son representaciones federales exigibles de la solicitud de permiso.

El Distrito de Administración de East Lake Houston (CN605929686) opera la planta de tratamiento de aguas residuales (RN111118824) de Villa Robles, una variación mixta del proceso de lodo activado. La instalación está ubicada aproximadamente a 0.4 millas al oeste de Telge Road y a 0.42 millas al oeste-noroeste de la intersección de South Telge Manor Drive y Telge Road, en el condado de Harris, Texas 77429.

Esta solicitud es para una renovación para descargar a un flujo promedio anual de 240,000 galones por día de aguas residuales domésticas tratadas a través del desagüe 001.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 del Informe Técnico Doméstico 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permisos. Las aguas residuales domésticas se tratan desde la estación de bombeo, las aguas residuales viajarán a través de una criba de barra gruesa y luego a la cuenca de mezcla completa; Desde la cuenca, la mezcla de licor se transferirá al clarificador, donde los sólidos se sedimentarán y el agua clara fluirá sobre las presas y luego hacia la cuenca de contacto con el cloro. Los sólidos sedimentados se transferirán al digestor o se devolverán a la planta de cabecera.

Attachment A-3
Public Involvement Plan Form



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.

Tomball

(City)

Harris

(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?

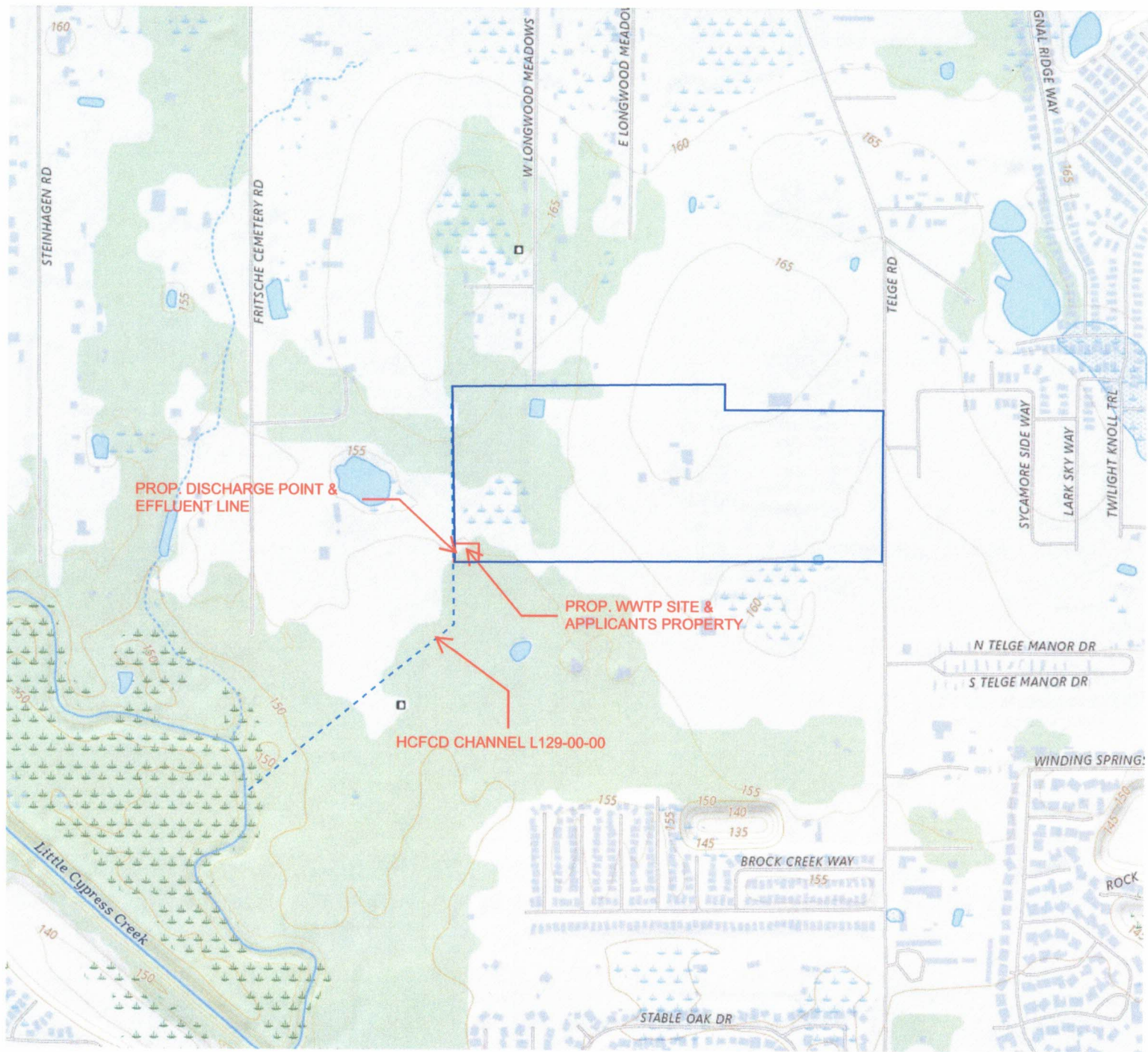
☒ Yes ☐ No

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 A-4

USGS Map



Attachment A-5

SPIF Form

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: East Lake Houston Management District

Permit No. WQ00 15942001

EPA ID No. TX 0140767

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

The facility will be located 0.4 miles west of Telge Road and 0.42 miles WNW of the intersection of Telge Road and South Telge Manor Drive

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): Ms.

First and Last Name: Lynda Fuqua

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

Title: District Engineer

Mailing Address: 4311 La Branch Street

City, State, Zip Code: Houston, TX 77004

Phone No.: 281-797-7754 Ext.: Fax No.: 832-476-0540

E-mail Address: fdr@fdrconsultingllc.com

2. List the county in which the facility is located: Harris
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

The Owner of the treatment facility and the land are the same.

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.

From the facility to Harris County Control Flood Ditch L129-00-00 to Little Cypress Creek

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:

N/A

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:

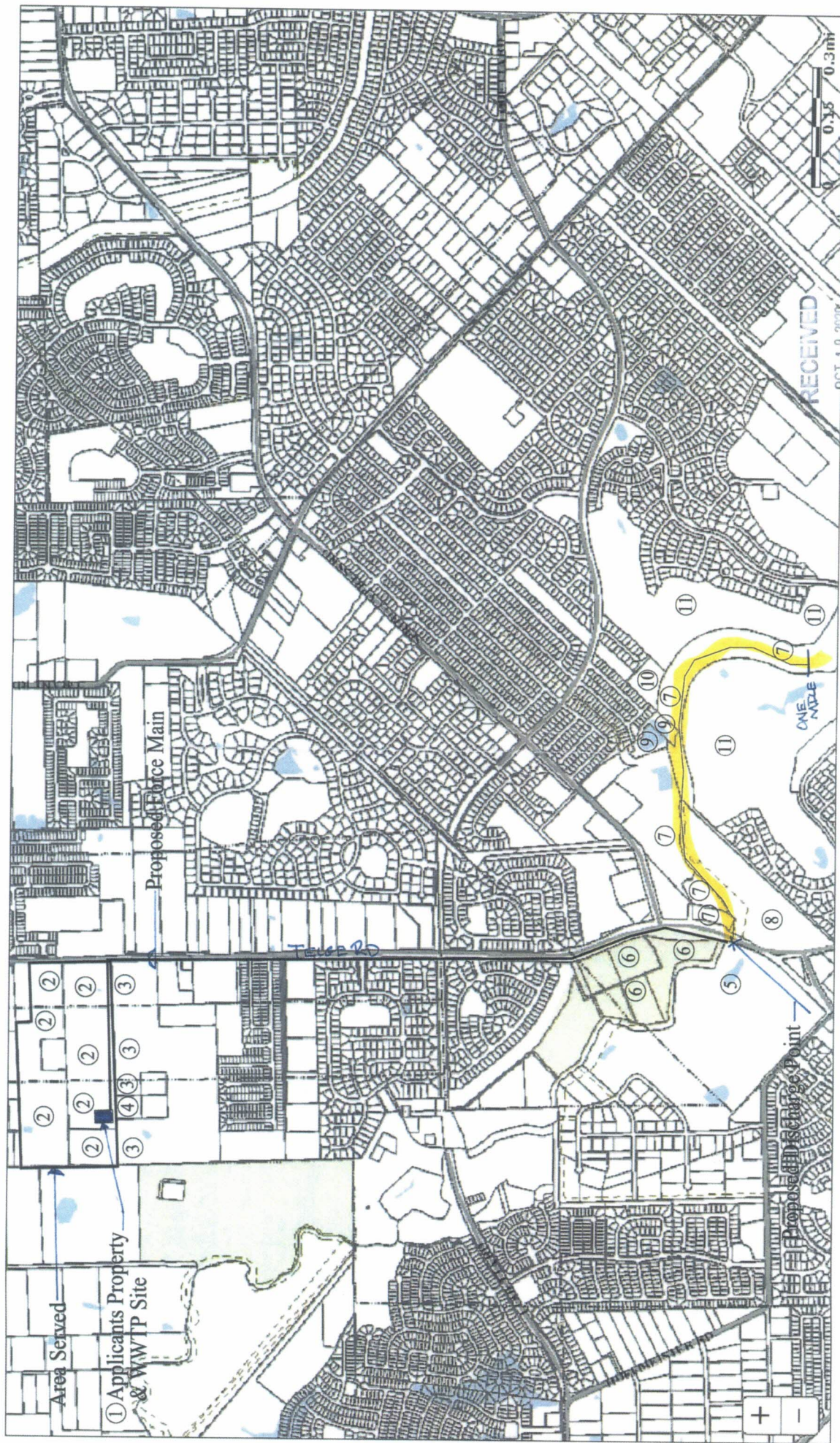
N/A

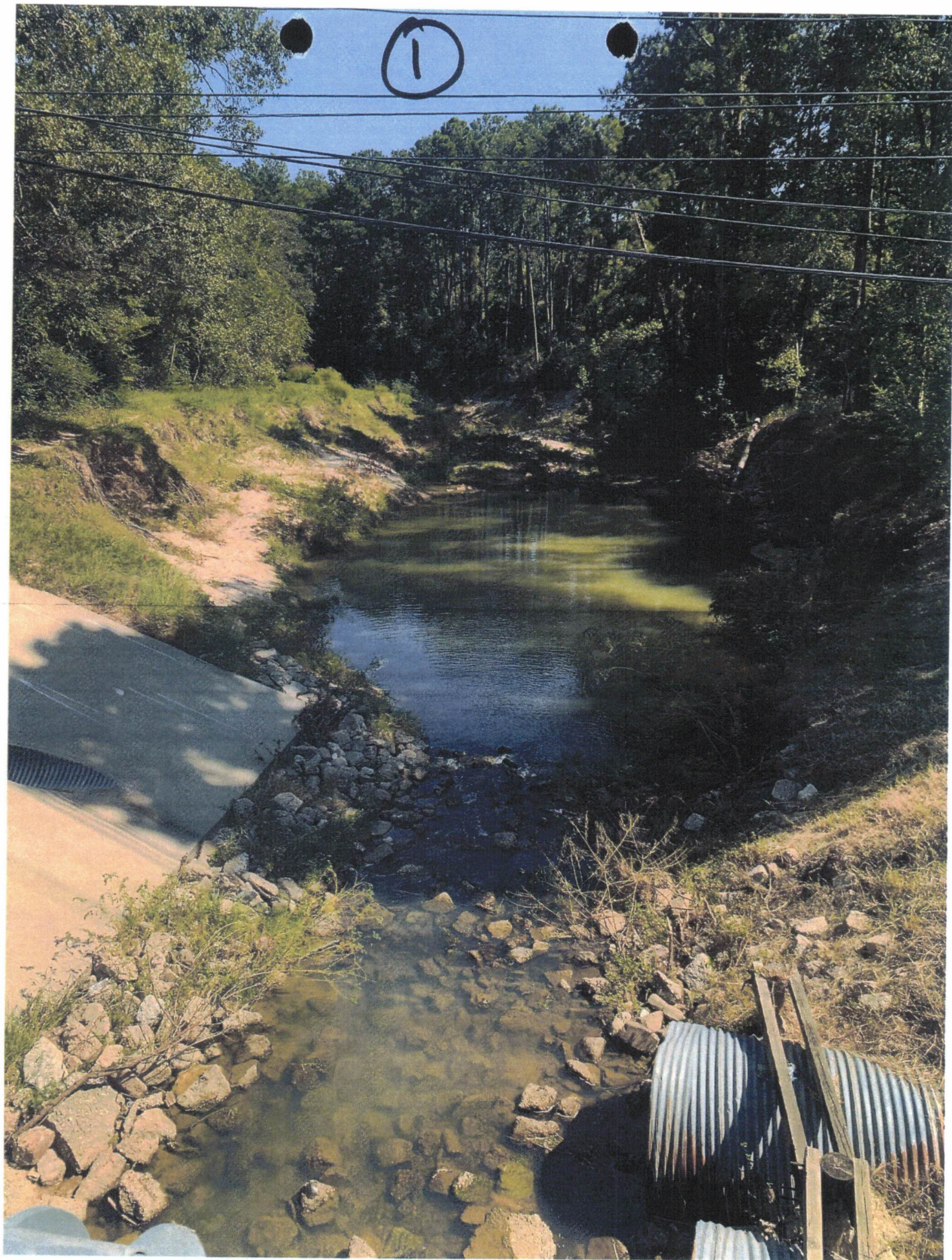
4. Provide a brief history of the property, and name of the architect/builder, if known.

N/A

Attachment A-6
Affected Landowners Map
Photographs

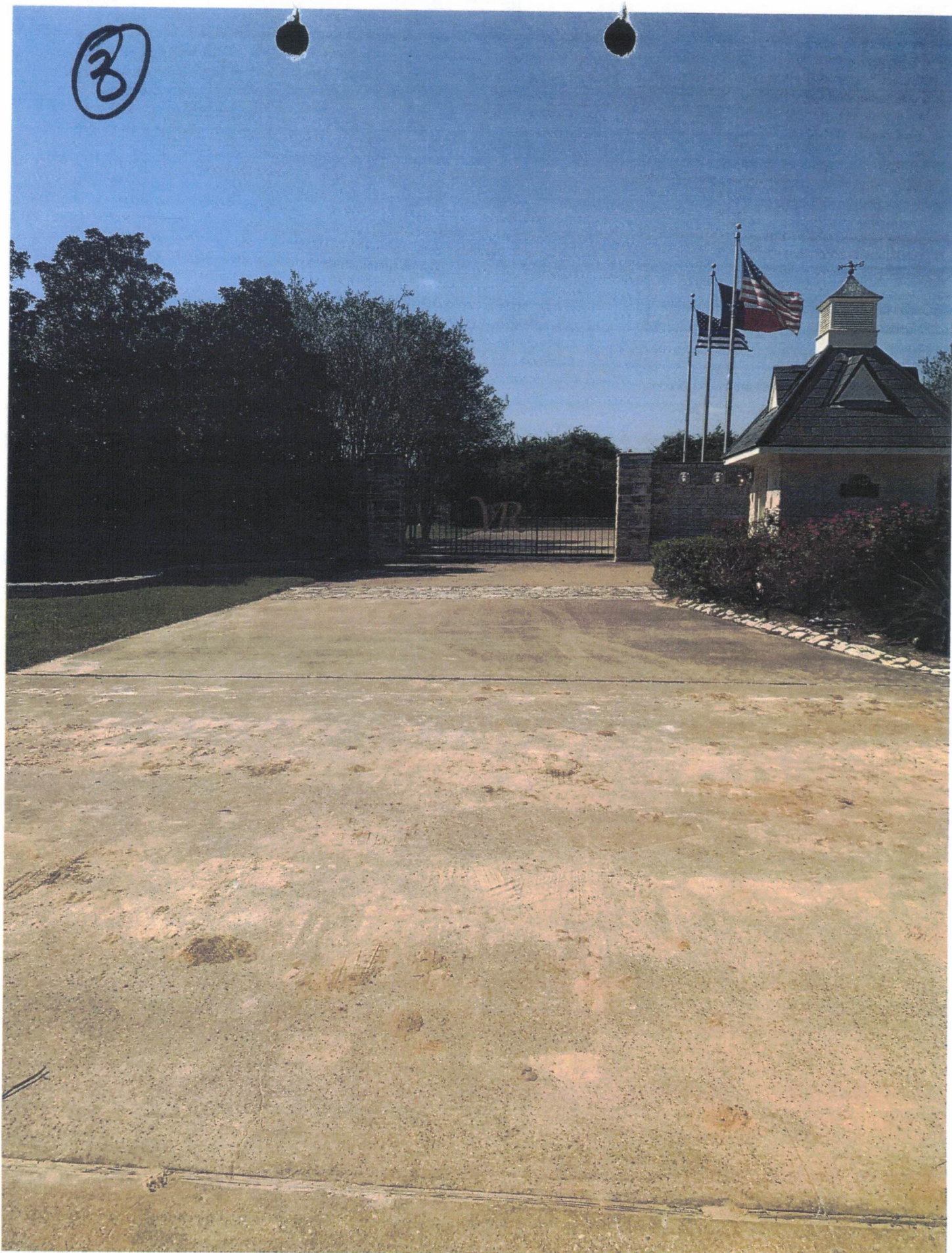
1. SOUTH CENTRAL WATER COMPANY
5818 BEVERLY HILLS, SUITE 200
HOUSTON TEXAS 77275
2. 81 VILLA ROBLES LTD
16427 TELGE RD
CYPRESS TEXAS 77429
3. NGUYEN MICHAEL KHANH KIM
16205 TELGE RD
CYPRESS TEXAS 77429
4. NGUYEN THUAN K & CHI U
16217 TELGE RD
CYPRESS TEXAS 77429
5. TRUNKLINE GAS COMPANY
PO BOX 4967
HOUSTON TEXAS 77210
6. COUNTY OF HARRIS
PO BOX 1525
HOUSTON TEXAS 77251
7. HARRIS COUNTY FLOOD CONTROL
DIST.
9900 NW FREEWAY
HOUSTON TEXAS 77092
8. ERBIN O KEITH FAMILY LTD
PO BOX 130974
HOUSTON TEXAS 77219
9. NW HARRIS COUNTY MUD 5
SMITH MURDAUGH & LITTLE
1100 LOUISIANA ST, STE 400
HOUSTON TEXAS 77002
10. LONGWOOD VILLAGE HOA
STERLING ASI
6842 NORTH SAM HOUSTON PKWY
W
HOUSTON TEXAS 77064
11. LONGWOOD INTERESTS LTD
13102 SPARTAN CT
HOUSTON TEXAS 77041





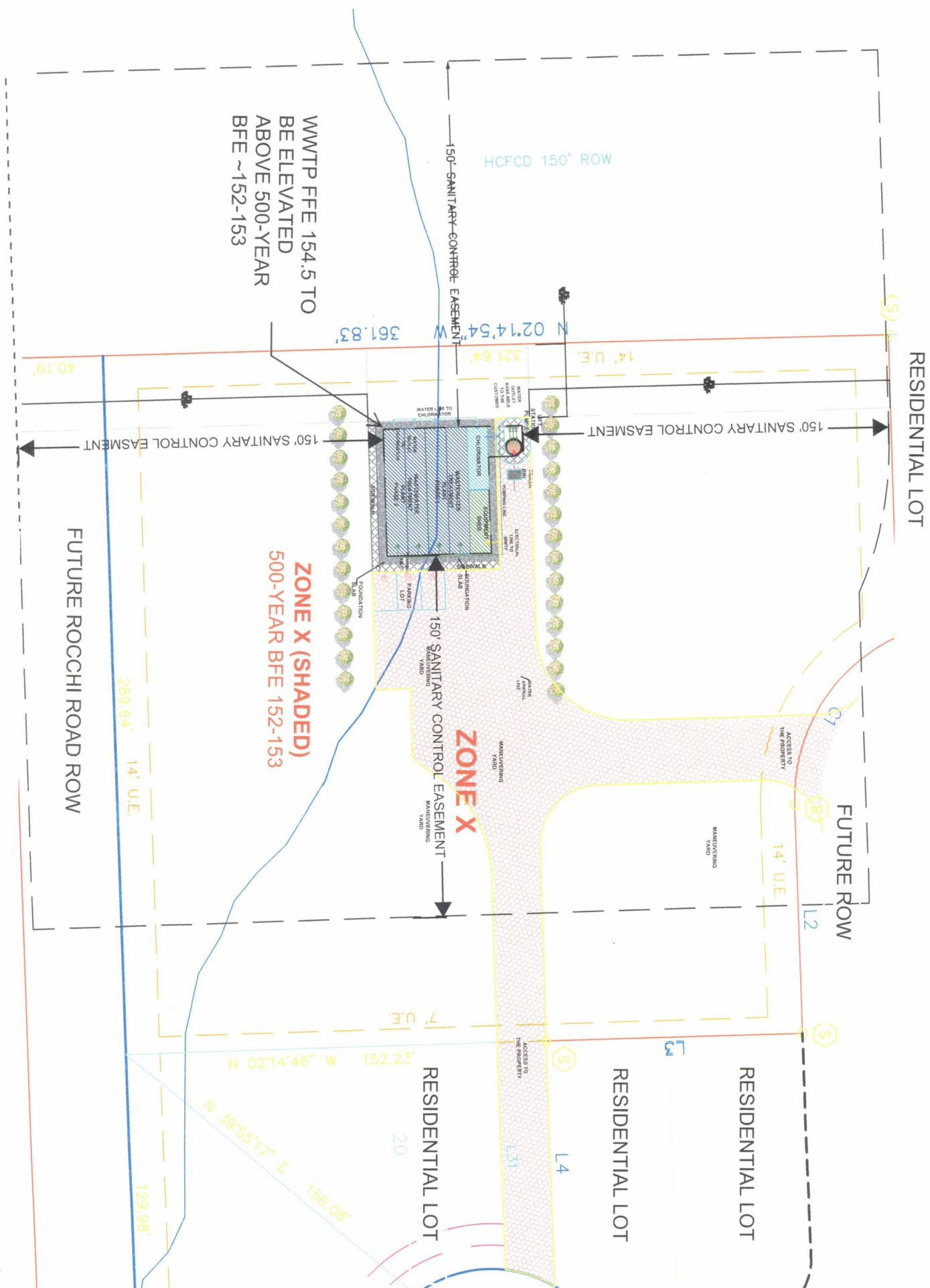


3





Attachment A-7
Buffer Zone Map



Attachment A-9

Copy of Check

Attachment T-1
Treatment Process
Treatment Units

ENGINEERING DESIGN SUMMARY

VILLA ROBLES

PHASE I, II, III & IV

0.025 MGD, 0.050 MGD, 0.075 MGD & 0.100 MGD

Purpose

The purpose of this report is to present the basis of design and summary of unit sizing and hydraulic calculations for the 0.025 MGD Wastewater Treatment Plant, which will serve as first phase for the development.

INFLUENT QUALITY CHARACTERISTICS

	Symbol	Unit	PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
BOD ₅		mg/L	300	300	300	300
TSS		mg/L	300	300	300	300
TKN		mg/L	45	45	45	45

FLOW CHARACTERISTICS

Average Daily Flow	Qav	GPD	25,000	50,000	75,000	100,000
Peak Factor			4	4	4	4
2 Hr. Peak Flow	Qpk	GPD	100,000	200,000	300,000	400,000

EFFLUENT QUALITY CHARACTERISTICS

BOD ₅		mg/L	10	10	10	10
TSS		mg/L	15	15	15	15
TKN		mg/L	3	3	3	3
Chlorine Residual (low-high)		mg/L	1-4	1-4	1-4	1-4

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.

For short power outages the sewage will be contained in the collection system. Influent is from a triplex lift station which will not function during a general power outage. The plant features one digesters, chlorinator, and stand-by blowers. The collection system will be new, and minimum infiltration is anticipated. The plant is to be maintained and operated by personnel licensed by the Stat 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 resistance fence will be placed around the facility.

SUMMARY OF DIMENSIONS IN FEET

PHASE 1- 0.0250 MGD

<u>Module 1</u>	<u>Length</u>	<u>Width</u>	<u>HeightSWD</u>	<u>Volume (cf)</u>
Aeration 1@	21.33	8.53	13.45	2446.86
Clarifier 1 @	10.50	8.53	13.45	1204.61
Chlorine Contact 1 @	4.27	8.53	5.45	198.14
Digester 1@	3.28	8.53	14.00	391.80
Total Area	39.4 ft long X 8.5 ft wide			

PHASE 2- 0.0500 MGD

<u>Module 2</u>	<u>Length</u>	<u>Width</u>	<u>HeightSWD</u>	<u>Volume (cf)</u>
Aeration 2@	21.33	8.53	13.45	2446.86
Clarifier 2 @	10.50	8.53	13.45	1204.61
Chlorine Contact 2@	4.27	8.53	6.00	218.29
Digester 2@	3.28	8.53	14.00	391.80
Total Area	39.4 ft long X 17 ft wide			

PHASE 3- 0.0750 MGD

<u>Module 3</u>	<u>Length</u>	<u>Width</u>	<u>HeightSWD</u>	<u>Volume (cf)</u>
Aeration 3@	21.33	8.53	13.45	2446.86
Clarifier 3 @	10.50	8.53	13.45	1204.61
Chlorine Contact 3@	4.27	8.53	6.00	218.29
Digester 3@	3.28	8.53	14.00	391.80
Total Area	39.4 ft long X 25.5 ft wide			

PHASE 4- 0.1000 MGD

<u>Module 4</u>	<u>Length</u>	<u>Width</u>	<u>HeightSWD</u>	<u>Volume (cf)</u>
Aeration 4@	21.33	8.53	13.45	2446.86
Clarifier 4 @	10.50	8.53	13.45	1204.61
Chlorine Contact 4@	4.27	8.53	6.00	218.29
Digester 4@	3.28	8.53	14.00	391.80
Total Area	39.4 ft long X 34 ft wide			

ORGANIC LOADING

INFLUENT CONDITIONS

		.J.J.ni1	PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
Average Daily Flow	Qav	GPD	25,000	50,000	75,000	100,000
Peak Factor			4	4	4	4
2 Hr. Peak Flow	Qpk	GPD	100,000	200,000	300,000	400,000
BOD5		lbs/Day	64	128	192	256
TSS		lbs/Day	64	128	192	256
NH ₃		lbs/Day	10	19	29	38
Average Daily Flow	Qav	GPM	17	35	52	69
2 Hr. Peak Flow	Qpk	GPM	69	139	208	278
Average Daily Flow	Qav	cf/sec	0.04	0.08	0.12	0.15
2 Hr. Peak Flow	Qpk	cf/sec	0.15	0.31	0.46	0.62

PROCESS LOADINGS

MLSS (Summer)	mg/L	2500	2500	2500	2500
MLSS (Winter)	mg/L	3500	3500	3500	3500
RASS (Summer)	mg/L	7250	7250	7250	7250
RASS (Winter)	mg/L	10150	10150	10150	10150

AERATION

Length	ft	21.33	21.33	21.33	21.33
Width	ft	8.53	8.53	8.53	8.53
Side Water Depth	ft	13.45	13.45	13.45	13.45
Total Aeration Volume per Basin	cf	2446.86	2446.86	2446.86	2446.86
Total Aeration Volume Available	cf	2446.86	4893.73	7340.59	9787.46
TCEQ Maximum Organic Loading	lbs/day/1000 cf	35	35	35	35
Organic Loading	lbs/day/ 1000 cf	26.19	26.19	26.19	26.19
Hydraulic Residence Time@ Qav	Hr	17.57	17.57	17.57	17.57

CLARIFIER

		1@	2@	3@	4@
Length	ft	10.50	10.50	10.50	10.50
Width	ft	8.53	8.53	8.53	8.53
Side Water Depth	ft	13.45	13.45	13.45	13.45
Area per clarifier	sf	89.55	89.55	89.55	89.55
Total Clarifier Area	sf	89.55	179.11	268.66	358.21
TCEQ Maximim Surface Loading@ Qpk	GPD/sf	1,200	1,200	1,200	1,200
Surface Loading@ Qpk	GPD/sf	1,117	1,117	1,117	1,117
Detention Time@ Qpk	Hr	2.16	2.16	2.16	2.16

CLARIFIER WIER

		1@	2@	3@	4@
Wier Length	ft	8.53	8.53	8.53	8.53
Total Wier Length	ft	8.53	17.06	25.59	34.12

TCEQ Maximum Wier Loading@ Qpk	GPD/ft	20,000	20,000	20,000	20,000
Wier Loading at Qpk	GPD/ft	11,723	11,723	11,723	11,723

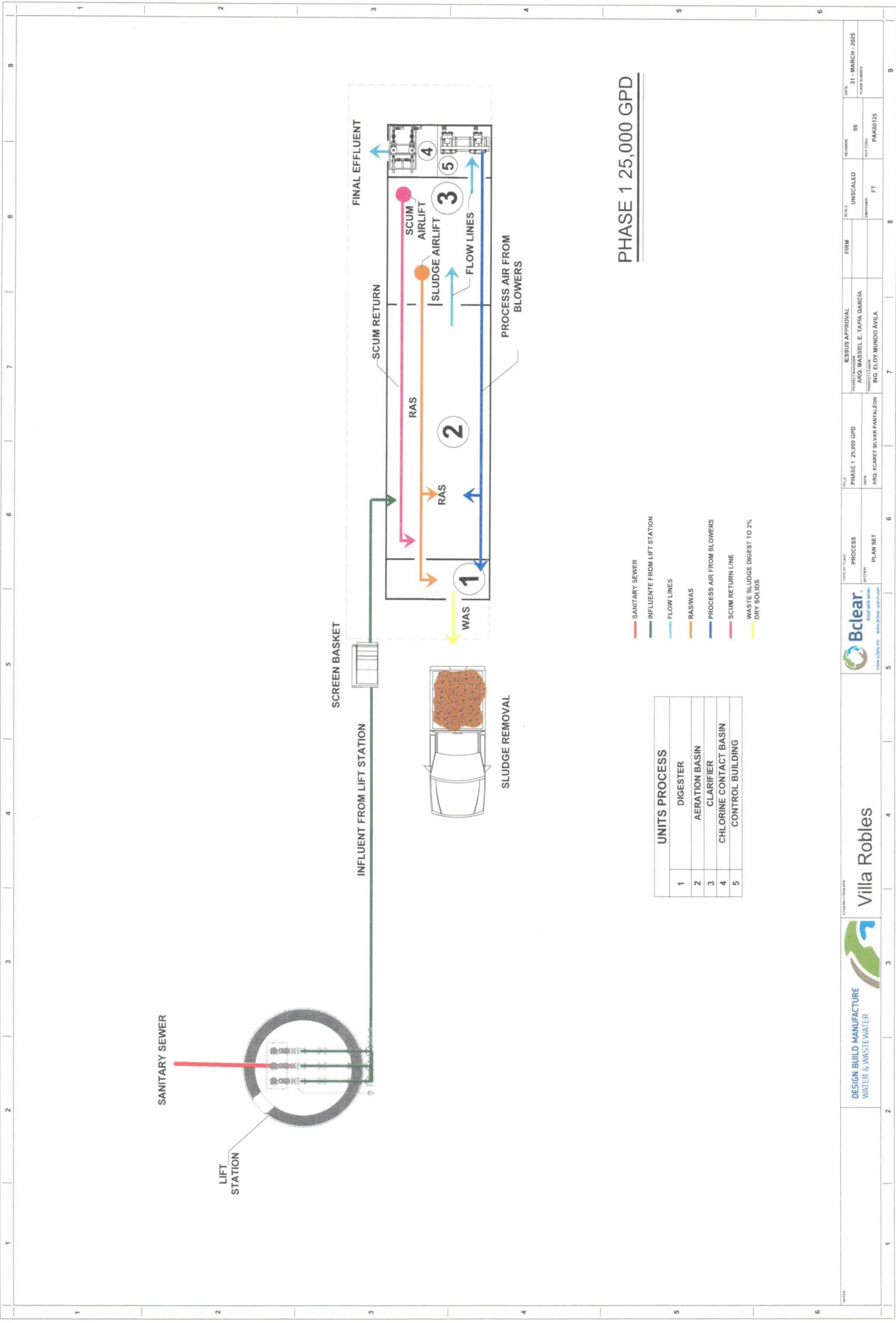
CHLORINE CONTACT CHAMBER

		1@	2@	3@	4@
Length	ft	4.27	4.27	4.27	4.27
Width	ft	8.53	8.53	8.53	8.53
Side Water Depth	ft	5.45	5.45	5.45	5.45
Chlorine Contact Basin Volume	cf	198.14	198.14	198.14	198.14
Total Chlorine Contact Basin Volume	cf	198.14	396.27	594.41	792.55
Total Chlorine Contact Basin Volume	gal	1482.16	2964.32	4446.48	5928.63
TCEQ Minimim Hydraulic Retention Time at Qpk	Min	20	20	20	20
Hydraulic Retention Time	Min	21.34	21.34	21.34	21.34
Dosage concentration free chlorine	PPM	3.70	3.70	3.70	3.70
Dosage loading	lb/day	3.09	6.18	9.26	12.35
Dosage Rate (20 GPM/100 lbs/day)	GPM	0.62	1.24	1.85	2.47

DIGESTER

		1@	2@	3@	4@
Length	ft	3.28	3.28	3.28	3.28
Width	ft	8.53	8.53	8.53	8.53
Side Water Depth	ft	14.00	14.00	14.00	14.00
Total Basin Digester Volume	cf	391.80	391.80	391.80	391.80
Total Volume Available	cf	391.80	783.59	1175.39	1567.19
TCEQ Maximum Digester Loading	lbs/1000 cf	200	200	200	200
Digester Loading	lbs/1000 cf	163.5	163.5	163.5	163.5

Attachment T-2
Flow Diagram



PHASE 1 25,000 GPD

- SANITARY SEWER
- INFLUENT FROM LIFT STATION
- FLOW LINES
- RAS/WAS
- PROCESS AIR FROM BLOWERS
- SCUM RETURN LINE
- WASTE SLUDGE DIGEST TO 2%
- DRY SOLIDS

UNITS PROCESS	
1	DIGESTER
2	AERATION BASIN
3	CLARIFIER
4	CHLORINE CONTACT BASIN
5	CONTROL BUILDING

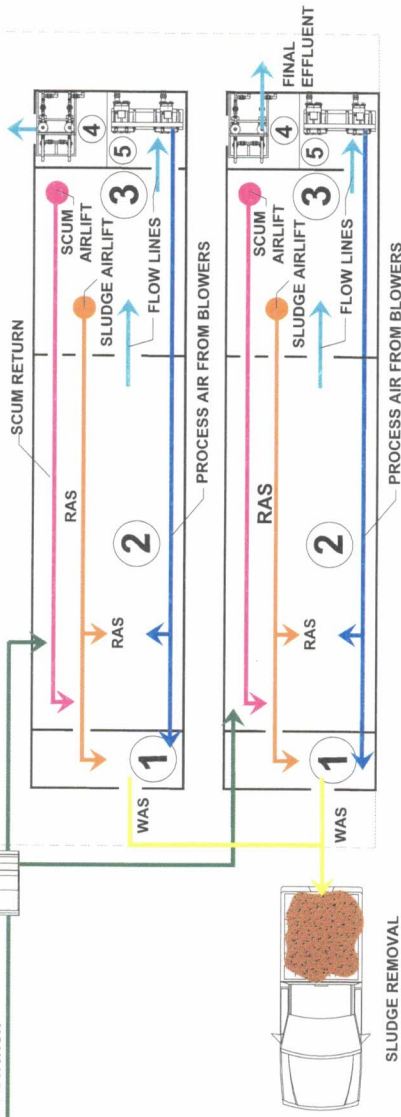
SANITARY SEWER

LIFT
STATION

SCREEN BASKET

INFLUENT FROM LIFT STATION

FINAL EFFLUENT



PHASE 2 50,000 GPD

- SANITARY SEWER
- INFLUENT FROM LIFT STATION
- FLOW LINES
- RAS/WAS
- PROCESS AIR FROM BLOWERS
- SCUM RETURN LINE
- WASTE SLUDGE DIGEST TO 2%
- DRY SOLIDS

UNITS PROCESS	
1	DIGESTER
2	AERATION BASIN
3	CLARIFIER
4	CHLORINE CONTACT BASIN
5	CONTROL BUILDING

DESIGN BUILD MANUFACTURE
WATER & WASTEWATER

CONTRACT NUMBER 078

Villa Robles



PHASE 2 50,000 GPD

PROJECT MANAGER
ANDY WASSIEL E. TAPIA GARCIA

ISSUE APPROVAL
DATE 31 - MARCH - 2025

PLAN 00000125

SANITARY SEWER

LIFT
STATION

INFLUENT FROM LIFT STATION
SCREEN BASKET

FINAL EFFLUENT

SCUM RETURN

RAS

RAS

RAS

RAS

RAS

RAS

RAS

RAS

RAS

RAS

RAS

RAS

RAS

RAS

RAS

RAS

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SLUDGE REMOVAL

- SANITARY SEWER
- INFLUENT FROM LIFT STATION
- FLOW LINES
- RAS/WAS
- PROCESS AIR FROM BLOWERS
- SCUM RETURN LINE
- WASTE SLUDGE DIGEST TO 2% DRY SOLIDS

UNITS PROCESS	
1	DIGESTER
2	AERATION BASIN
3	CLARIFIER
4	CHLORINE CONTACT BASIN
5	CONTROL BUILDING

PHASE 3 75,000 GPD

DESIGN BUILD MANUFACTURE
WATER & WASTEWATER



Villa Robles



PHASE 3 75,000 GPD

AND, XCARBET SILVIA PANTALEON

REVIEW APPROVAL

AND, MARCEL E. TAPIA GARCIA

FIRM

UNSCALED

DATE

31 - MARCH - 2025

PROJECT CODE

PAK69125

DATE

31 - MARCH - 2025



Attachment T-3
Site Drawing

VILLA ROBLES

HARRIS COUNTY, TEXAS

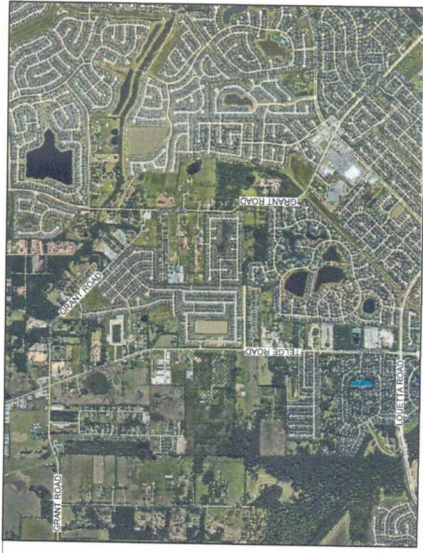
Lot Size	Counts	Percentages
- 50' Lots	318	87%
- 55' Lots	5	1%
- 55' Lots	21	6%
- 60' + Lots	17	5%
- PREMIUM LOTS - 6		1%
TOTAL LOTS =	364	100%
- GREEN SPACE		
- CHANNEL		

SECTION 1		SECTION 2	
Lot Size	Counts	Lot Size	Counts
50'	3 LOTS	60'	7 LOTS
55'	5 LOTS	50'	89 LOTS
55'	21 LOTS	50'	10 LOTS
60' +	17 LOTS	TOTAL	
PREMIUM LOT OR SAC	6 LOTS		
TOTAL	100 LOTS		

SECTION 3		SECTION 4	
Lot Size	Counts	Lot Size	Counts
50'	3 LOTS	60'	7 LOTS
55'	5 LOTS	50'	89 LOTS
55'	21 LOTS	50'	10 LOTS
60' +	17 LOTS	TOTAL	
PREMIUM LOT OR SAC	6 LOTS		
TOTAL	100 LOTS		

Usage Type	Counts
- LOTS	364
- ROADS	10
- WTP	1
- WTP	1
- GREEN SPACE	1

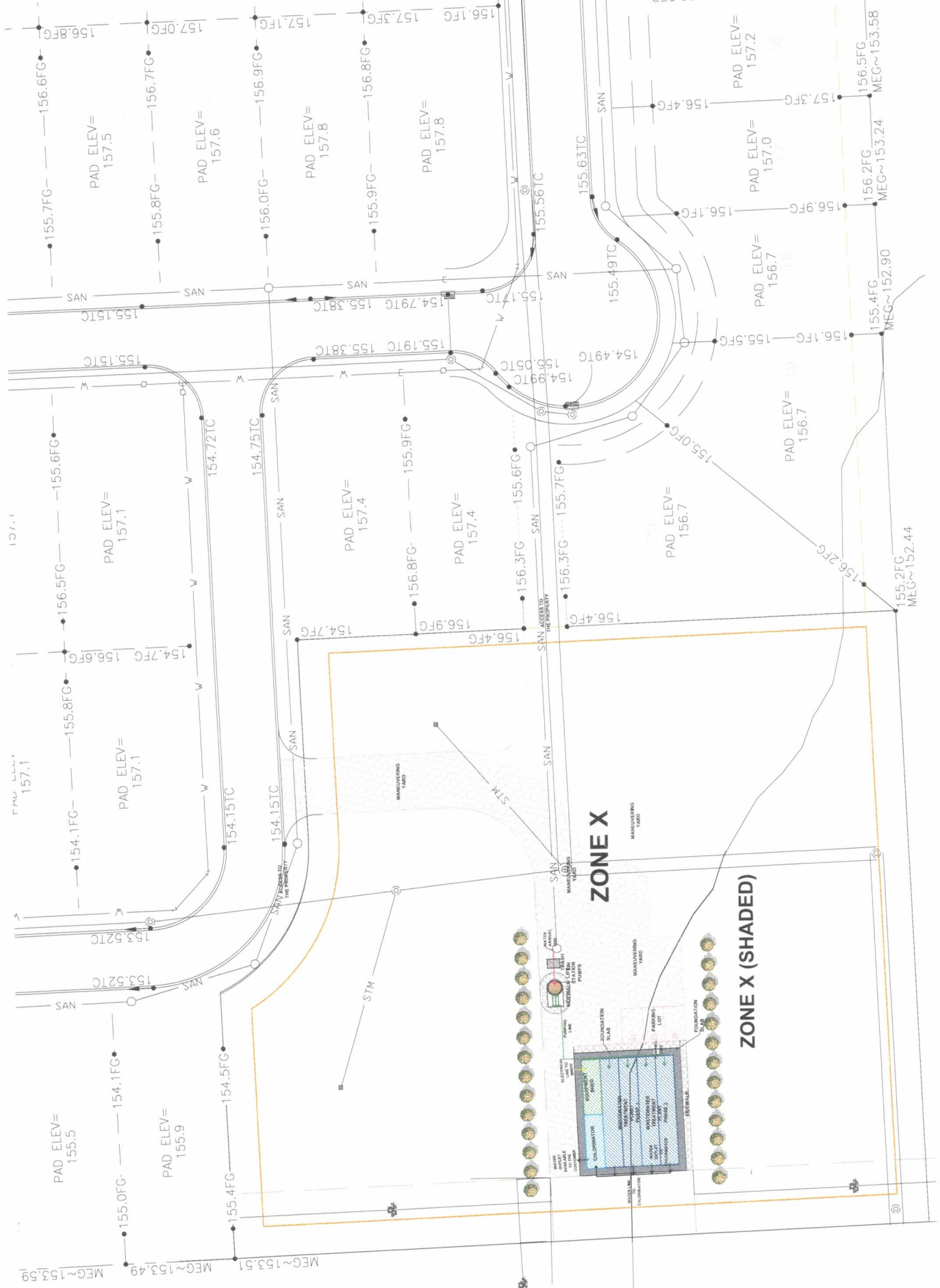
Acres	Counts
52.506 ACRES	1
15.180 ACRES	1
0.886 ACRES	1
2.04 ACRES	1
4.84 ACRES	1



VICINITY MAP
NOT TO SCALE



DR
4271 La Brea Blvd
Houston, TX 77054
Phone: 281.498.1000
Fax: 281.498.1001
www.drh.com



PROP. CHANNEL L129-00-00
TO DRAIN
TARGE RANCH WEST +
VILLA ROBLES

DISCHARGE POINT
30101692 - 95.663337
30604178 N. 95.6394806 W

LITTLE CYPRESS CREEK
L100-00-00



Attachment T-4
Management Practice
Disposal Site
Transportation Method

Plant: Villa Real
TCEQ Permit:

Date: 10/12/2020

To Whom It May Concern:

Mount Houston Road Municipal Utility District, owner of a Waste Water Treatment Plant (Permit #WQ0011154001) located approximately 1.3 miles northwest of the intersection of State Highway 249 and Veterans Memorial Drive, Houston, Texas, and Magna Flow Environmental, owner of the Processing Permit (Permit #WQ0005023000)

Magna Flow Environmental and Mount Houston Road Municipal Utility District have entered into a contractual agreement, where Magna Flow Environmental (T.C.E.Q. Transporter Permit # 21484) will dewater sewage sludge from other waste treatment plants at the Mount Houston Road Municipal Utility District treatment plant. Dewatered Sludge will then be disposed of at a T.C.E.Q. permitted disposal site. Mount Houston Road Municipal Utility District has the capacity to accept sludge from the above mentioned plant.

Magna Flow Environmental agrees to accept and be responsible for the sludge dewatered at the plant. We will maintain responsibility for the life of the permit.


Mark Ivy

President

M. Marlon Ivy & Associates

Operator for MTH MUD


Jerry McCurtain

Vice President

Magna Flow Environmental

Attachment T-5
Nearby WWTP's

Wastewater Treatment Plants Within 3-Miles

1. NW Harris County MUD 10
WQ0014643001
2. Aqua Texas, Inc
WQ0014032001
3. Harris County MUD 389
WQ0014441001
4. NW Harris County MUD 5
WQ0011824002
WQ0011824003
5. Elite Computer Consultants
WQ0012600001
6. NW Harris County MUD 15
WQ0011939001
7. Grant Road PUD
WQ0015098001
8. Harris County MUD 360
WQ0013753001
9. SSPS Properties, LLC
WQ0015578001
10. Utilities Investment, Inc
WQ0014172001
11. Harris County MUD 365
WQ0013881001
12. Cypress Hills MUD 1
WQ0012327001

Wastewater Outfalls in Texas (TCEQ) Custom Print

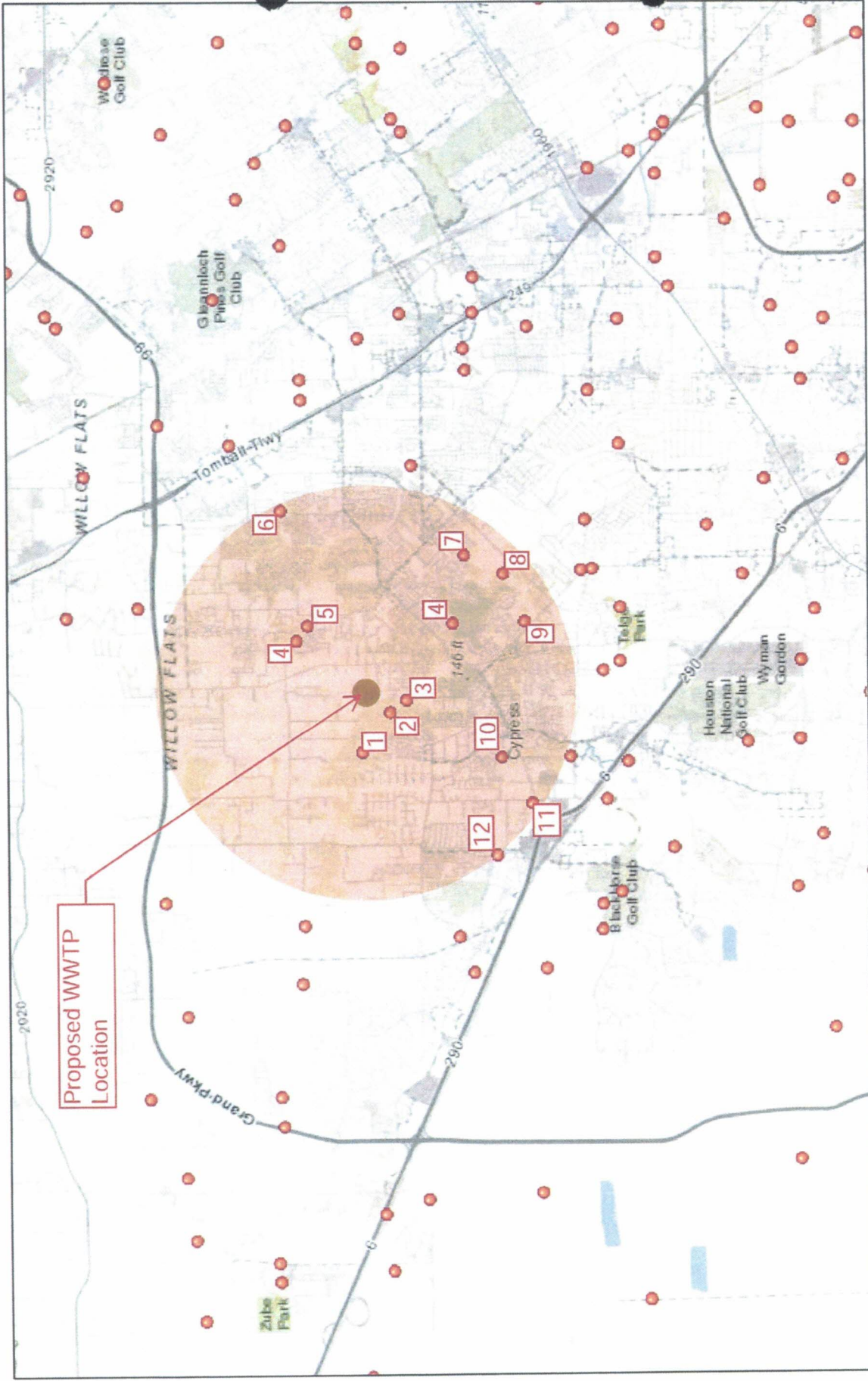


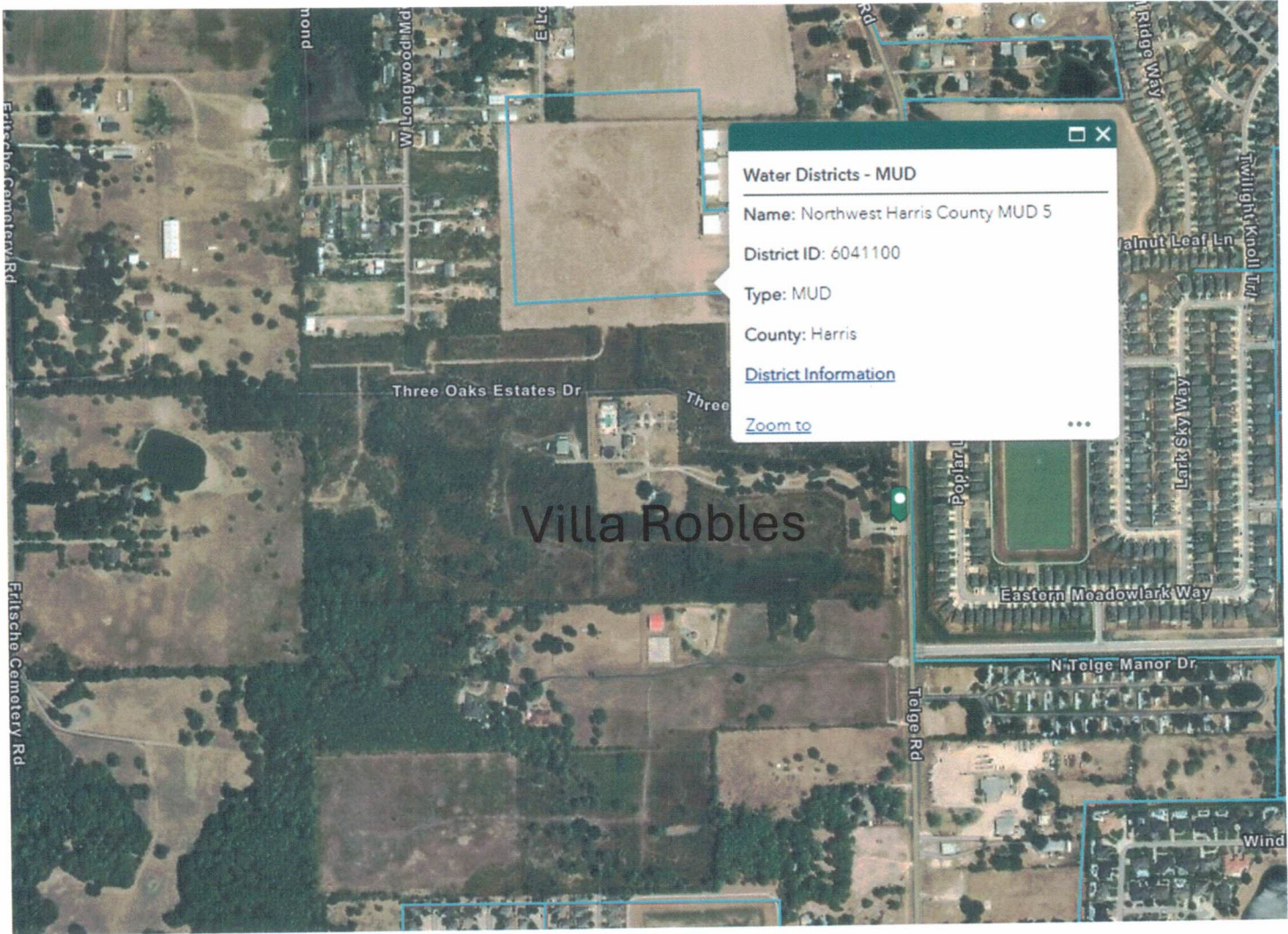
Exhibit A

Water Utilities around Villa Robles Subdivision: Northwest Harris County MUD 5



Exhibit A

(Continued)



Attachment T-6
Design Calculations

ENGINEERING DESIGN SUMMARY

VILLA ROBLES

PHASE I, II, III & IV

0.025 MGD, 0.050 MGD, 0.075 MGD & 0.100 MGD

Purpose

The purpose of this report is to present the basis of design and summary of unit sizing and hydraulic calculations for the 0.025 MGD Wastewater Treatment Plant, which will serve as first phase for the development.

INFLUENT QUALITY CHARACTERISTICS

	Symbol	Unit	PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
BOD ₅		mg/L	300	300	300	300
TSS		mg/L	300	300	300	300
TKN		mg/L	45	45	45	45

FLOW CHARACTERISTICS

Average Daily Flow	Qav	GPD	25,000	50,000	75,000	100,000
Peak Factor			4	4	4	4
2 Hr. Peak Flow	Qpk	GPD	100,000	200,000	300,000	400,000

EFFLUENT QUALITY CHARACTERISTICS

BOD ₅		mg/L	10	10	10	10
TSS		mg/L	15	15	15	15
TKN		mg/L	3	3	3	3
Chlorine Residual (low-high)		mg/L	1-4	1-4	1-4	1-4

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.

For short power outages the sewage will be contained in the collection system. Influent is from a triplex lift station which will not function during a general power outage. The plant features one digesters, chlorinator, and stand-by blowers. The collection system will be new, and minimum infiltration is anticipated. The plant is to be maintained and operated by personnel licensed by the Stat 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 resistance fence will be placed around the facility.

ORGANIC LOADING

INFLUENT CONDITIONS

	◆	.U.mi1	PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
Average Daily Flow	Qav	GPD	25,000	50,000	75,000	100,000
Peak Factor			4	4	4	4
2 Hr. Peak Flow	Qpk	GPD	100,000	200,000	300,000	400,000
BOD5		lbs/Day	64	128	192	256
TSS		lbs/Day	64	128	192	256
NH ₃		lbs/Day	10	19	29	38
Average Daily Flow	Qav	GPM	17	35	52	69
2 Hr. Peak Flow	Qpk	GPM	69	139	208	278
Average Daily Flow	Qav	cf/sec	0.04	0.08	0.12	0.15
2 Hr. Peak Flow	Qpk	cf/sec	0.15	0.31	0.46	0.62

PROCESS LOADINGS

MLSS (Summer)	mg/L	2500	2500	2500	2500
MLSS (Winter)	mg/L	3500	3500	3500	3500
RASS (Summer)	mg/L	7250	7250	7250	7250
RASS (Winter)	mg/L	10150	10150	10150	10150

AERATION

Length	ft	21.33	21.33	21.33	21.33
Width	ft	8.53	8.53	8.53	8.53
Side Water Depth	ft	13.45	13.45	13.45	13.45
Total Aeration Volume per Basin	cf	2446.86	2446.86	2446.86	2446.86
Total Aeration Volume Available	cf	2446.86	4893.73	7340.59	9787.46
TCEQ Maximum Organic Loading	lbs/day/1000 cf	35	35	35	35
Organic Loading	lbs/day/ 1000 cf	26.19	26.19	26.19	26.19
Hydraulic Residence Time@ Qav	Hr	17.57	17.57	17.57	17.57

CLARIFIER

		1@	2@	3@	4@
Length	ft	10.50	10.50	10.50	10.50
Width	ft	8.53	8.53	8.53	8.53
Side Water Depth	ft	13.45	13.45	13.45	13.45
Area per clarifier	sf	89.55	89.55	89.55	89.55
Total Clarifier Area	sf	89.55	179.11	268.66	358.21
TCEQ Maximim Surface Loading@ Qpk	GPD/sf	1,200	1,200	1,200	1,200
Surface Loading@ Qpk	GPD/sf	1,117	1,117	1,117	1,117
Detention Time@ Qpk	Hr	2.16	2.16	2.16	2.16

CLARIFIER WIER

		1@	2@	3@	4@
Wier Length	ft	8.53	8.53	8.53	8.53
Total Wier Length	ft	8.53	17.06	25.59	34.12

TCEQ Maximum Wier Loading@ Qpk	GPD/ft	20,000	20,000	20,000	20,000
Wier Loading at Qpk	GPD/ft	11,723	11,723	11,723	11,723
<u>CHLORINE CONTACT CHAMBER</u>					
		1@	2@	3@	4@
Length	ft	4.27	4.27	4.27	4.27
Width	ft	8.53	8.53	8.53	8.53
Side Water Depth	ft	5.45	5.45	5.45	5.45
Chlorine Contact Basin Volume	cf	198.14	198.14	198.14	198.14
Total Chlorine Contact Basin Volume	cf	198.14	396.27	594.41	792.55
Total Chlorine Contact Basin Volume	gal	1482.16	2964.32	4446.48	5928.63
TCEQ Minimum Hydraulic Retention Time at Qpk	Min	20	20	20	20
Hydraulic Retention Time	Min	21.34	21.34	21.34	21.34
Dosage concentration free chlorine	PPM	3.70	3.70	3.70	3.70
Dosage loading	lb/day	3.09	6.18	9.26	12.35
Dosage Rate (20 GPM/100 lbs/day)	GPM	0.62	1.24	1.85	2.47
<u>DIGESTER</u>					
		1@	2@	3@	4@
Length	ft	3.28	3.28	3.28	3.28
Width	ft	8.53	8.53	8.53	8.53
Side Water Depth	ft	14.00	14.00	14.00	14.00
Total Basin Digester Volume	cf	391.80	391.80	391.80	391.80
Total Volume Available	cf	391.80	783.59	1175.39	1567.19
TCEQ Maximum Digester Loading	lbs/1000 cf	200	200	200	200
Digester Loading	lbs/1000 cf	163.5	163.5	163.5	163.5

AIR REQUIREMENTS

ACTIVATED SLDUGE AIRLIFTS

	Symb_O_I	Unit	PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
RAS+ WAS Flow Rate per phase	Qas	GPM	0.026	0.026	0.026	0.026
RAS+ WAS Standard Air per Phase	Qas_air	SCFM	29.9	29.9	29.9	29.9
RAS+ WAS Standard Air Total		SCFM	29.9	59.8	89.7	119.6
RAS+ WAS Diameter		in	3	3	3	3

SCUM AIRLIFT

Scum Airlift per Phase	Qscum	GPM	2.64E-04	2.64E-04	2.64E-04	2.64E-04
Scum Standair Air per Phase	Qsum_air	SCFM	0.5	0.5	0.5	0.5
Scum Diameter each Phase		in	3	3	3	3

AIR REQUIREMENTS UNIT PROCESS

Aeration Basin per Phase Oxygen Requirement		SCFM	140	140	140	140
Aeration Basin per Phase Mixing Energy		SCFM	33	33	33	33
Aeration Basin Demand/Selected		SCFM	140	140	140	140
TCEQ Minimim Requirement each Basin	SCFM /day/ lb BODS		3200	3200	3200	3200
Aetation Basin per Phase		SCFM /day/ lb BOD5	8970	8970	8970	8970
Digester per Phase Oxygen Requirement		SCFM	29	29	29	29
Digester per Phase Mixing		SCFM	8	8	8	8
Digester per Phase Demand/Seleced		SCFM	29	29	29	29
TCEQ Minimim Requirement	SCFM / 1000cf		30	30	30	30
Digester per Phase		SCFM / 1000 cf	73.2	73.2	73.2	73.2
Activated Sludge Air Lifts		SCFM	29.9	30	30	30
Scum Airlifts		SCFM	0.5	0.5	0.5	0.5
Total Air Required per phase		SCFM	199	199	199	199
Air Provided						
Blower per Phase (Blower on)		SCFM	200	200	200	200
Blower per Phase (Blower Stand-by)		SCFM	200	200	200	200
Transfer Efficiency@ 14 ft		%	4%	4%	4%	4%

Hydraulic Calculations

FLOW

			PHASE ONE	PHASE TWO	PHASE THREE	PHASE FOUR
Average Daily Flow	Qav	GPO	25,000	50,000	75,000	100,000
2 Hr. Peak Flow	Qpk	GPO	100,000	200,000	300,000	400,000
Average Daily Flow	Qav	GPM	17	35	52	69
2 Hr. Peak Flow	Qpk	GPM	69	139	208	278
Average Daily Flow	Qav	cf/sec	0.04	0.08	0.12	0.15
2 Hr. Peak Flow	Qpk	cf/sec	0.15	0.31	0.46	0.62

AERATION ZONE

		1@	2@	3@	4@
RAS per basin	GPM	199	199	199	199
SCUM per basin	GPM	2.64E-04	2.64E-04	2.64E-04	2.64E-04
Qpk per basin	GPM	69	69	69	69
Total Inflow (Qpk+RAS+SCUM)	GPM	268	268	268	268
Total Inflow (Qpk+RAS+SCUM)	cfs	0.60	0.60	0.60	0.60
Number of Pipes		3	3	3	3
Minimum Diameter (velocity less than 2.5 ft/sec)	in	3.82	3.82	3.82	3.82
Selected Diameter for each pipe	in	4.00	4.00	4.00	4.00
Flow Velocity	ft/sec	2.3	2.3	2.3	2.3
Head Loss@ Qavg	in	1.71	1.71	1.71	1.71
Head Loss@ Qpk	in	2.55	2.55	2.55	2.55
Side Water Elevation@ Qavg	ft	13.64	13.64	13.64	13.64
Side Water Elevation@ Qpk	ft	13.74	13.74	13.74	13.74

CLARIFIER

Wier Length Total	ft	8.53	17.06	25.59	34.12
V-notch per foot of wier	Notches/ ft	3.048	3.048	3.048	3.048
Number of Notches	Notche	26.0	52.0	78.0	104.0
V-notch wier angle	Degrees	113.5	113.5	113.5	113.5
V Depth	in	1.57	1.57	1.57	1.57
Launder Width	in				
Flow per Notch @ Qavg	cfs	0.0014878	0.001	0.001	0.001
Elevation@ Static	ft	13.45	13.45	13.45	13.45
V-notch Havg	in	0.5	0.5	0.5	0.5
V-notch Hpk	in	0.9	0.9	0.9	0.9
Side Water Elevation@ Qavg	ft	13.49	13.49	13.49	13.49
Side Water Elevation@ Qpk	ft	13.53	13.53	13.53	13.53

CHLORINE CONTACT BASIN

Effluent V-notch depth	in	12	12	12	12
Effluent V-notch angle	degrees	85	85	85	85
V-Notch Havg per module	in	0.85	0.85	0.85	0.85
V-Notch Hpk per module	in	1.48	1.48	1.48	1.48
Static Elevation of chlorine contact basin	ft	13.45	13.45	13.45	13.45
Water Side Elevation @ Qavg	ft	13.52	13.52	13.52	13.52
Water Side Elevation @ Qpk	ft	13.57	13.57	13.57	13.57

SUMMARY OF ELEVATION

100 Year Flood Elevation	ft	N/A
--------------------------	----	-----

STRUCTURE DIMENSIONS

Bottom of Module(s)	ft	0
Top of Module(s)	ft	16
Bottom of Chlorine Contact Basin	ft	8

Water Elevations

		STATIC	ATQavg	ATQpk
Aeration Basin	ft	13.45	13.64	13.74
Clarifier	ft	13.45	13.49	13.53
Chlorine Contact Basin	ft	13.45	13.52	13.57
Digester	ft	14.00	14.00	14.00

Attachment T-7

Windrose Survey

IAH Annual 1984-92

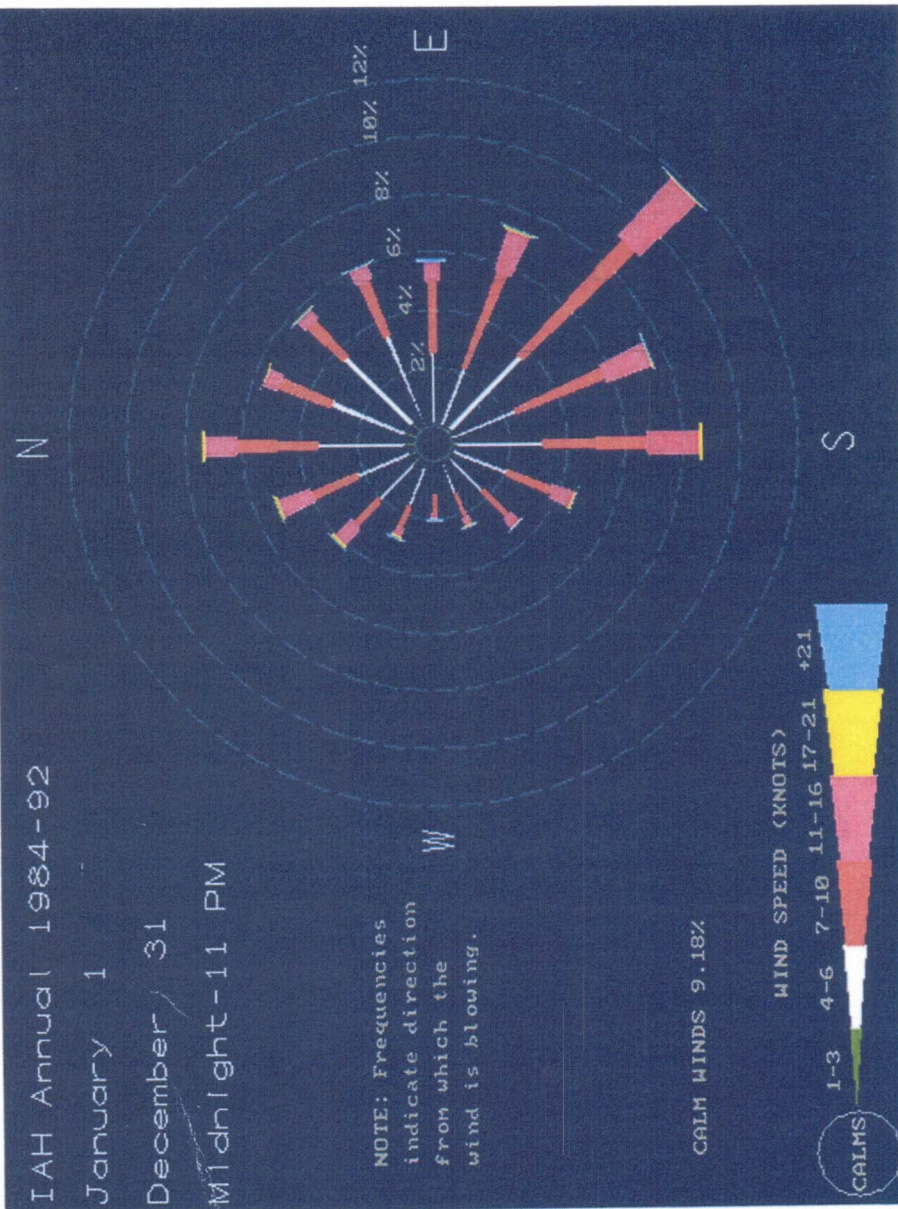
January 1

December 31

Midnight-11 PM

NOTE: Frequencies
indicate direction
from which the
wind is blowing.

CALM WINDS 9.18%



Attachment T-8
Solids Management Plan

SLUDGE PRODUCTION RATES

MODULE

	S)tmbo_l	Unit	Flow
Each Phase	Qav	GPD	25,000
Digester Volume		cf	391.80
Digester Volume		gal	2930.84

1. PARAMETERS

Percent Capacity	%	100%	75%	50%	25%
Average Daily Flow	MGD	0.025	0.01875	0.0125	0.00625
CBOD5 Influent Concentration	mg/L		300		
CBOD5 Effluent concentration	mg/L		10		
CBOD5 Net Removal	mg/L		290		

2. DAILY SLUDGE PRODUCTION

BOD5 Removal	lbs/day	61.9	46.5	31.0	15.5
Factor of drys sludge at age 30 days	lbs sludge/ lbs BOD	0.361	0.361	0.361	0.361
Dry Sludge Produced	lbs/day	22.36	16.77	11.18	5.59
Wet Sludge Produced (1.5% solids)	lbs/day	1491	1118	745	373
Volume of Wet Sludge Procuded (8.34 lbs/gal)	gal/day	186.5	139.9	93.2	46.6

3. REMOVAL SCHEDULE

Days between empties	Days	16	21	31	63
----------------------	------	----	----	----	----

Process Loading

MLSS (Summer)	mg/L	2500
MLSS (Winter)	mg/L	3500

Sludge will stay in the digester, clear liquor will be decanted off the digester and returned to the process to thicken the waste solids.

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

Candice Calhoun

From: Robin Butcko <robin@permittingservices.net>
Sent: Tuesday, July 8, 2025 2:15 PM
To: Candice Calhoun
Cc: fdr@fdrconsultingllc.com
Subject: Re: RESPONSE 1 OF 4 / RE: Application to Amend Permit No. WQ0015942001 - Notice of Deficiency
Attachments: Villa Robles pip-form-tceq-20960.pdf

Candice,
Please see the attached for revised PIP form.
Thanks,
robin

Robin Butcko

President & CEO

4700 S. Kirkwood
Road
Suite 513
Houston, TX 77072

📞 713-458-8612

✉️ robin@permittingservices.net

🌐 www.permittingservices.net

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Tuesday, July 8, 2025 1:51 PM
To: Robin Butcko <robin@permittingservices.net>
Cc: fdr@fdrconsultingllc.com <fdr@fdrconsultingllc.com>
Subject: RESPONSE 1 OF 4 / RE: Application to Amend Permit No. WQ0015942001 - Notice of Deficiency

Good afternoon, Robin,

Thank you for calling me earlier, I would have never known that your emails were in my Junk folder. I will review and respond to each email separately. Please see below for the response to the first email:

The response to items 4, and 6 are sufficient. However, the response to items 7, and 8 require more information.

1. Item 7 – PIP – So, for section 2, If all 3 top boxes of section 3 are not checked, a Public Involvement Plan is not necessary, therefore, the 4th box must be checked, and a brief explanation must be provided. Please provide an updated PIP.

2. Item 8 – USGS Map – The map provided included the one-mile radius and the highlighted discharge route. However, it did not include applicants' property boundary or the point of discharge. If the applicants' property boundary is one in the same with the facility, please label it as so.

As for your questions regarding items 2 and 3, Yes, the fee goes by the final phase listed in the technical report, so, if the final phase flow is 0.075 (75,000) MGD, as listed, then yes, the fee would be \$550.00. The original fee received was \$350.00, so, an additional check for \$200.00, would need to be mailed in

Please let me know if you have any questions.

Regards,



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312
candice.calhoun@tceq.texas.gov

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

From: Robin Butcko <robin@permittingservices.net>
Sent: Monday, July 7, 2025 12:24 PM
To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Cc: fdr@fdrconsultingllc.com
Subject: Re: Application to Amend Permit No. WQ0015942001 - Notice of Deficiency
Importance: High

Candice,

We are working on the NOD Letter. Please see the attached for the Revised USGS Map and the Revised PIP Form.

Item 2 wants me to verify discharge. Phase I: 0.025 MGD, Phase II: 0.050 MGD and Final Phase: 0.075MGD. Do we need to pay for the Final Phase Discharge? If so, would the application filing fee \$550. Putting us at a -\$250.00 difference. Let me know about this please.

Item 3 Adjust Application Fee. Let me know about this please.

Item 4 This is a Public Entity and does not have a SOS/CPA Filing Number or TX State Tax ID Number. I have put N/A in the Core Data Form it is attached to this email.

Item 6 Core Data Signature page attached to this email.

Item 7 Revised PIP Form Attached

Item 8 USGS Map 3 Mile Radius two files attached to this email.

We are working on the rest. Please respond to this email and let me know about the filing fee.

Thanks,
Robin

Robin Butcko

President & CEO

4700 S. Kirkwood
Road
Suite 513
Houston, TX 77072

713-458-8612

robin@permittingservices.net

www.permittingservices.net

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Wednesday, June 25, 2025 2:09 PM
To: Robin Butcko <robin@permittingservices.net>
Cc: fdr@fdrconsultingllc.com <fdr@fdrconsultingllc.com>
Subject: Application to Amend Permit No. WQ0015942001 - Notice of Deficiency

Good afternoon, Ms. Butcko,

The attached Notice of Deficiency (NOD) letter dated June 25, 2025, requests additional information needed to declare the application administratively complete. Please send complete response no later than July 9, 2025.

Please let me know if you have any questions.

Regards,



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312
candice.calhoun@tceq.texas.gov

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

Candice Calhoun

From: Robin Butcko <robin@permittingservices.net>
Sent: Tuesday, July 8, 2025 4:04 PM
To: Candice Calhoun
Cc: Lynda Fuqua
Subject: Re: RESPONSE 4 OF 4 / RE: Application to Amend Permit No. WQ0015942001 - Notice of Deficiency
Attachments: Landowners List.docx; Landowners Map Rev. 1.pdf; Mailing Labels 5160.doc
Importance: High




Hello Candice,

Please see the attached.

Thanks,
Robin

Robin Butcko

President & CEO
4700 S. Kirkwood
Road
Suite 513
Houston, TX 77072

 713-458-8612
 robin@permittingservices.net
 www.permittingservices.net

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Tuesday, July 8, 2025 1:51 PM
To: Robin Butcko <robin@permittingservices.net>
Cc: Lynda Fuqua <fdr@fdrconsultingllc.com>
Subject: RESPONSE 4 OF 4 / RE: Application to Amend Permit No. WQ0015942001 - Notice of Deficiency

Robin,

Thank you, please see below for my response.

1. Item 10 – Landowner Map – The affected landowner property boundaries are hard to read on this map. Also, the map shows affected landowner 1 as the application, however the landowner list shows landowner 1 as South-Central Water Company
2. Item 11 – Mailing Labels – The names and addresses are in the incorrect format. Each letter in the name and address must be capitalized, contain no punctuation, and the

appropriate two-character abbreviation must be used for the state. Please provide updated labels.

3. Item 12 – Landowner List – This item is sufficient unless more landowners need to be added.

Please let me know if you have any questions.

Regards,



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312
candice.calhoun@tceq.texas.gov

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

From: Robin Butcko <robin@permitting-services.net>
Sent: Tuesday, July 8, 2025 10:36 AM
To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Cc: Lynda Fuqua <fdr@fdrconsultingllc.com>
Subject: Fw: Application to Amend Permit No. WQ0015942001 - Notice of Deficiency
Importance: High

Candice,

Item 10, Item 11 and 12 are attached to this email.

Thanks,
Robin

Robin Butcko

President & CEO
4700 S. Kirkwood
Road
Suite 513
Houston, TX 77072

☎ 713-458-8612
✉ robin@permitting-services.net
🌐 www.permitting-services.net

From: Robin Butcko <robin@permittingservices.net>
Sent: Tuesday, July 8, 2025 10:10 AM
To: Candice Calhoun <candice.calhoun@tceq.texas.gov>
Cc: Lynda Fuqua <fdr@fdrconsultingllc.com>
Subject: Fw: Application to Amend Permit No. WQ0015942001 - Notice of Deficiency

Good morning Candice,




Please see the attached for Item 5 and Item 9 on the NOD Letter.

Thank you,
Robin

Robin Butcko

President & CEO

4700 S. Kirkwood
Road
Suite 513
Houston, TX 77072

 713-458-8612
 robin@permittingservices.net
 www.permittingservices.net

From: Robin Butcko <robin@permittingservices.net>
Sent: Monday, July 7, 2025 12:23 PM
To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Cc: fdr@fdrconsultingllc.com <fdr@fdrconsultingllc.com>
Subject: Re: Application to Amend Permit No. WQ0015942001 - Notice of Deficiency

Candice,

We are working on the NOD Letter. Please see the attached for the Revised USGS Map and the Revised PIP Form.

Item 2 wants me to verify discharge. Phase I: 0.025 MGD, Phase II: 0.050 MGD and Final Phase: 0.075MGD. Do we need to pay for the Final Phase Discharge? If so, would the application filing fee \$550. Putting us at a -\$250.00 difference. Let me know about this please.

Item 3 Adjust Application Fee. Let me know about this please.

Item 4 This is a Public Entity and does not have a SOS/CPA Filing Number or TX State Tax ID Number. I have put N/A in the Core Data Form it is attached to this email.

Item 6 Core Data Signature page attached to this email.

Item 7 Revised PIP Form Attached

Item 8 USGS Map 3 Mile Radius two files attached to this email.

We are working on the rest. Please respond to this email and let me know about the filing fee.

Thanks,

Robin

Robin Butcko

President & CEO
4700 S. Kirkwood
Road
Suite 513
Houston, TX 77072

713-458-8612
robin@permittingservices.net
www.permittingservices.net

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Wednesday, June 25, 2025 2:09 PM
To: Robin Butcko <robin@permittingservices.net>
Cc: fdr@fdrconsultingllc.com <fdr@fdrconsultingllc.com>
Subject: Application to Amend Permit No. WQ0015942001 - Notice of Deficiency

Good afternoon, Ms. Butcko,

The attached Notice of Deficiency (NOD) letter dated June 25, 2025, requests additional information needed to declare the application administratively complete. Please send complete response no later than July 9, 2025.

Please let me know if you have any questions.

Regards,



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
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512-239-4312
candice.calhoun@tceq.texas.gov

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

Candice Calhoun

From: Robin Butcko <robin@permittingservices.net>
Sent: Wednesday, July 9, 2025 11:40 AM
To: Candice Calhoun
Cc: Lynda Fuqua
Subject: Re: Location Description Villa Robles WWTP - WQ0015942001
Attachments: Municipal Discharge Amendment Spanish NORI.docx

Importance: High




Hello Candice,

The translated NORI is attached to this email.

Thanks,
Robin

Robin Butcko

President & CEO
4700 S. Kirkwood
Road
Suite 513
Houston, TX 77072

 713-458-8612
 robin@permittingservices.net
 www.permittingservices.net

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Wednesday, July 9, 2025 9:13 AM
To: Robin Butcko <robin@permittingservices.net>
Cc: Lynda Fuqua <fdr@fdrconsultingllc.com>
Subject: RE: Location Description Villa Robles WWTP - WQ0015942001

Good morning, Robin,

Please see below:

1. Core Data Form – thank you, the location description of “0.9 miles north of Louetta Road and Telge Road” is sufficient. Upon my review of the description, I did find that the facility is northwest of the intersection, instead of north. There is no need to update the CDF, I just wanted to inform you of that, as I did change it in the NORI. Please find the updated NORI portion below. The RWA team has not completed their review just yet, so I am not able to input that in the NORI portion. With the below portion, you should be able to provide a response to items 13 and 14 of the NOD. Once the RWA has provided me with the approved discharge route, I can input that in both the English and Spanish NORI’s.

APPLICATION. East Lake Houston Management District, 600 West 5th Street, Austin, Texas 78707, has applied to the Texas Commission on Environmental Quality (TCEQ) to amend Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0015942001 (EPA I.D. No. TX0140767) to authorize the relocation of the existing discharge point. The domestic wastewater treatment facility is located approximately 0.9 mile northwest of the intersection of Louetta Road and Telge Road, near the city of Tomball, in Harris County, Texas 77429. The discharge route is from the plant site to (**PENDING TCEQ RWA REVIEW**). TCEQ received this application on June 23, 2025. The permit application will be available for viewing and copying at Northwest Branch Library, 11355 Regency Green Drive, Cypress, in Harris 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=-95.661388,30.011944&level=18>

Further information may also be obtained from East Lake Houston Management District at the address stated above or by calling Ms. Robin Butcko, B.B.A., Permitting Services, LLC, at 713-458-8612.

2. The SPIF provided is sufficient.
3. The location description listed in the English and Spanish PLS' are sufficient, however, the PLS' still show 25,000 MGD. The flow listed must match the final phase listed in the technical report. Per the technical report, the final phase should be 75,000 MGD. Please update the PLS' to reflect this. I do understand that the final phase estimated waste disposal start date is 2027, however, if it is listed in the technical report, this is what will be reviewed/approved by permitting, therefore, must be the flow listed in the PLS'.

Regards,



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312

candice.calhoun@tceq.texas.gov

Candice Calhoun

From: Robin Butcko <robin@permittingervices.net>
Sent: Wednesday, July 9, 2025 2:59 PM
To: Candice Calhoun
Cc: Lynda Fuqua
Subject: Name Transfer Form Complete
Attachments: Name Transfer Form Complete (signed 7-9-25).pdf


Hello Candice,

Please see the attached for the Name Transfer Form Completed with Signatures. I'm mailing it in today along with the filing fee and additional TPDES Permit Renewal Filing fee of \$200.

Thanks,
Robin

Robin Butcko

President & CEO
4700 S. Kirkwood
Road
Suite 513
Houston, TX 77072

 713-458-8612
 robin@permittingervices.net
 www.permittingervices.net

Candice Calhoun

From: Robin Butcko <robin@permittingservices.net>
Sent: Thursday, July 10, 2025 12:04 PM
To: Candice Calhoun
Cc: Lynda Fuqua
Subject: Re: Location Description Villa Robles WWTP - WQ0015942001
Attachments: PLS English Summary (7-8-25).docx; PLS Spanish Summary (7-8-25).docx

Please see the attached two Word Documents.

Thanks,
Robin

Robin Butcko

President & CEO
4700 S. Kirkwood
Road
Suite 513
Houston, TX 77072

📞 713-458-8612
✉️ robin@permittingservices.net
🌐 www.permittingservices.net

From: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Sent: Thursday, July 10, 2025 9:22 AM
To: Robin Butcko <robin@permittingservices.net>
Cc: Lynda Fuqua <fdr@fdrconsultingllc.com>
Subject: RE: Location Description Villa Robles WWTP - WQ0015942001

Robin,

I forgot to mention in my previous email, the updated PLS' are still needed. As stated below, it shows the flow as 25,000, however, the flow listed should match what is in the final phase of the technical report, which shows as 75,000. Could you please update that and send that over to me?

Thank you, 😊



Candice Courville

License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312
candice.calhoun@tceq.texas.gov

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

From: Candice Calhoun
Sent: Thursday, July 10, 2025 9:12 AM
To: Robin Butcko <robin@permittingservices.net>
Cc: Lynda Fuqua <fdr@fdrconsultingllc.com>
Subject: RE: Location Description Villa Robles WWTP - WQ0015942001

Robin,

Thank you, the Spanish NORI is sufficient. This will take care of item 14.

Regards,



Candice Courville
License & Permit Specialist
ARP Team | Water Quality Division
Texas Commission on Environmental
Quality
512-239-4312
candice.calhoun@tceq.texas.gov

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

From: Robin Butcko <robin@permittingservices.net>
Sent: Wednesday, July 9, 2025 11:40 AM
To: Candice Calhoun <Candice.Calhoun@tceq.texas.gov>
Cc: Lynda Fuqua <fdr@fdrconsultingllc.com>
Subject: Re: Location Description Villa Robles WWTP - WQ0015942001
Importance: High

Hello Candice,

The translated NORI is attached to this email.

Thanks,
Robin



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 type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input checked="" 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 605929686		RN 11118824

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)							
<input type="checkbox"/> New Customer <input checked="" 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)									
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).									
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)			If new Customer, enter previous Customer below:						
East Lake Houston Management District									
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)						
N/A Public Entity	N/a Public Entity	86-3221189							
11. Type of Customer:	<input checked="" 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 checked="" type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship		<input type="checkbox"/> Other:						
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 type="checkbox"/> Owner & Operator <input checked="" type="checkbox"/> Other: District Engineer									
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant									
15. Mailing Address:	Winstead c/o Mr. Ross Martin								
	600 W. 5 th Street								
	City	Austin	State	TX	ZIP	78701	ZIP + 4		
16. Country Mailing Information (if outside USA)					17. E-Mail Address (if applicable)				
					fdr@fdrconsultingllc.com				

18. Telephone Number	19. Extension or Code	20. Fax Number (if applicable)
(281) 797-7754		() -

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" 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.)								
Villa Robles Wastewater Treatment Facility								
23. Street Address of the Regulated Entity: (No PO Boxes)								
	City		State		ZIP		ZIP + 4	
24. County	Harris							

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

25. Description to Physical Location:	The facility is located 0.9 Miles North of Louetta Road & Telge Road intersection and 0.51 west of Telge Road off of future Calle Roble Road, near the city of Tomball, in Harris County Texas 77429.							
26. Nearest City					State	Nearest ZIP Code		
Tomball					TX	77429		
<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:		30.011692			28. Longitude (W) In Decimal:		-95.663337	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds			
30°	0'	41.78"N	-95°	39'	48.06"W			
29. Primary SIC Code (4 digits)	30. Secondary SIC Code (4 digits)		31. Primary NAICS Code (5 or 6 digits)		32. Secondary NAICS Code (5 or 6 digits)			
4952								
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)								
Wastewater Treatment								
34. Mailing Address:	Winstead c/o Mr. Ross Martin							
	600 W 5 th Street							
	City	Austin	State	TX	ZIP	78701	ZIP + 4	
35. E-Mail Address:		fdr@fdrconsultingllc.com						
36. Telephone Number			37. Extension or Code			38. Fax Number (if applicable)		
(281) 797-7754						() -		

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.

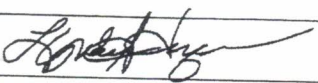
<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review 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:
	WQ0016248001			

SECTION IV: Preparer Information

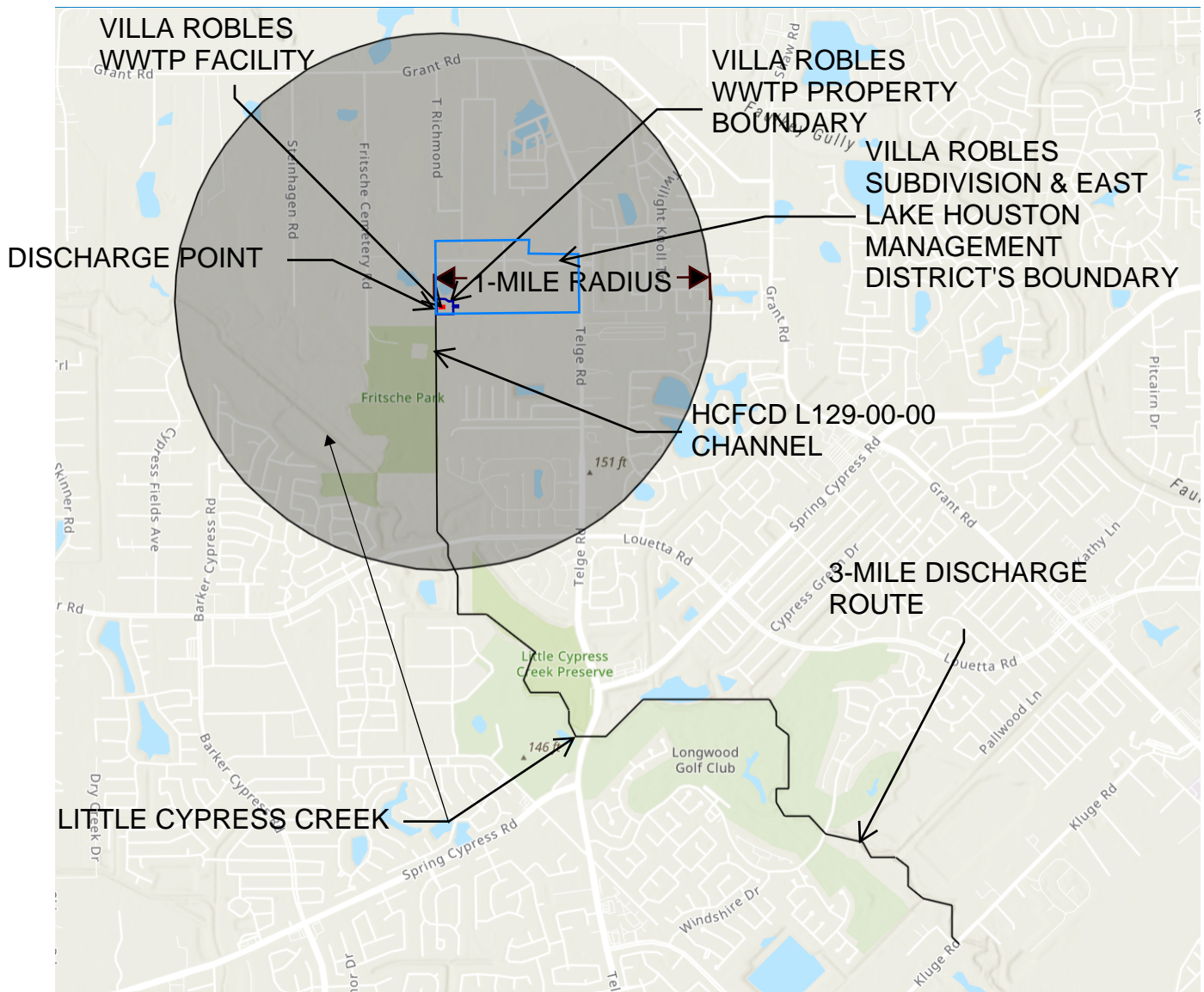
40. Name:	Robin Butcko		41. Title:	Senior Wastewater Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address	
(713) 458-8612		() -	robin@permittingservices.net	

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:	FDR Consulting LLC	Job Title:	District Engineer
Name (In Print):	Lynda Fuqua	Phone:	(281) 797- 7754
Signature:		Date:	6/18/2025

VILLA ROBLES WWTP LOCATION MAP



NTS

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

East Lake Houston Management District (CN605929686) operates the Villa Robles wastewater treatment plant (RN111118824), a mix variation of the activated sludge process. The domestic wastewater treatment facility is located approximately 0.9 mile northwest of the intersection of Louetta Road and Telge Road, near the city of Tomball, in Harris County, Texas 77429.

This application is for a renewal to discharge at an annual average flow of 75,000 gallons per day of treated domestic wastewater via Outfall 001.

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (CBOD₅), total suspended solids (TSS), ammonia nitrogen (NH₃-N), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent and Domestic Worksheet 4.0 in the permit application package. Domestic wastewater is treated from the lift station the wastewater will travel through a coarse bar screen 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.

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 son representaciones federales exigibles de la solicitud de permiso.

El Distrito de Gestión de East Lake Houston (CN605929686) opera la planta de tratamiento de aguas residuales Villa Robles (RN111118824), una variación mixta del proceso de lodos activados. La instalación de tratamiento de aguas residuales domésticas se encuentra aproximadamente a 0.9 millas al noroeste de la intersección de Louetta Road y Telge Road, cerca de la ciudad de Tomball, en el Condado de Harris, Texas 77429.

Esta solicitud es para una renovación para descargar a un flujo promedio anual de 75,000 galones por día de aguas residuales domésticas tratadas a través del desagüe 001.

Se espera que las descargas de la instalación contengan una demanda bioquímica carbonosa de oxígeno (CBOD5) de cinco días, sólidos suspendidos totales (TSS), nitrógeno amoniacal (NH3-N) y Escherichia coli. En la sección 7 del Informe Técnico Doméstico 1.0 se incluyen contaminantes potenciales adicionales. Análisis de Contaminantes de Efluentes Tratados y Hoja de Trabajo Doméstico 4.0 en el paquete de solicitud de permisos. Las aguas residuales domésticas se tratan desde la estación de bombeo, las aguas residuales viajarán a través de una criba de barra gruesa y luego a la cuenca de mezcla completa; Desde la cuenca, la mezcla de licor se transferirá al clarificador, donde los sólidos se sedimentarán y el agua clara fluirá sobre las presas y luego hacia la cuenca de contacto con el cloro. Los sólidos sedimentados se transferirán al digestor o se devolverán a la planta de cabecera.

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: East Lake Houston Management District

Permit No. WQ00 15942001

EPA ID No. TX 0140767

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

The facility is located 0.9 Miles northwest of the intersection of Louetta Road & Telge Road, near the city of Tomball, in Harris County Texas 77429.

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): Ms.

First and Last Name: Lynda Fuqua

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

Title: District Engineer

Mailing Address: 4311 La Branch Street

City, State, Zip Code: Houston, TX 77004

Phone No.: 281-797-7754 Ext.: Fax No.: 832-476-0540

E-mail Address: fdr@fdrconsultingllc.com

2. List the county in which the facility is located: Harris
3. If the property is publicly owned and the owner is different than the permittee/applicant, please list the owner of the property.

The Owner of the treatment facility and the land are the same.

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.

From the facility to Harris County Control Flood Ditch L129-00-00 to Little Cypress Creek

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:

N/A

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:

N/A

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

N/A



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)

Account Detail Villa Robles WWTP



HARRIS CENTRAL
APPRAISAL DISTRICT
13013 Northwest Fwy
Houston, TX 77040
<https://hcad.org/>

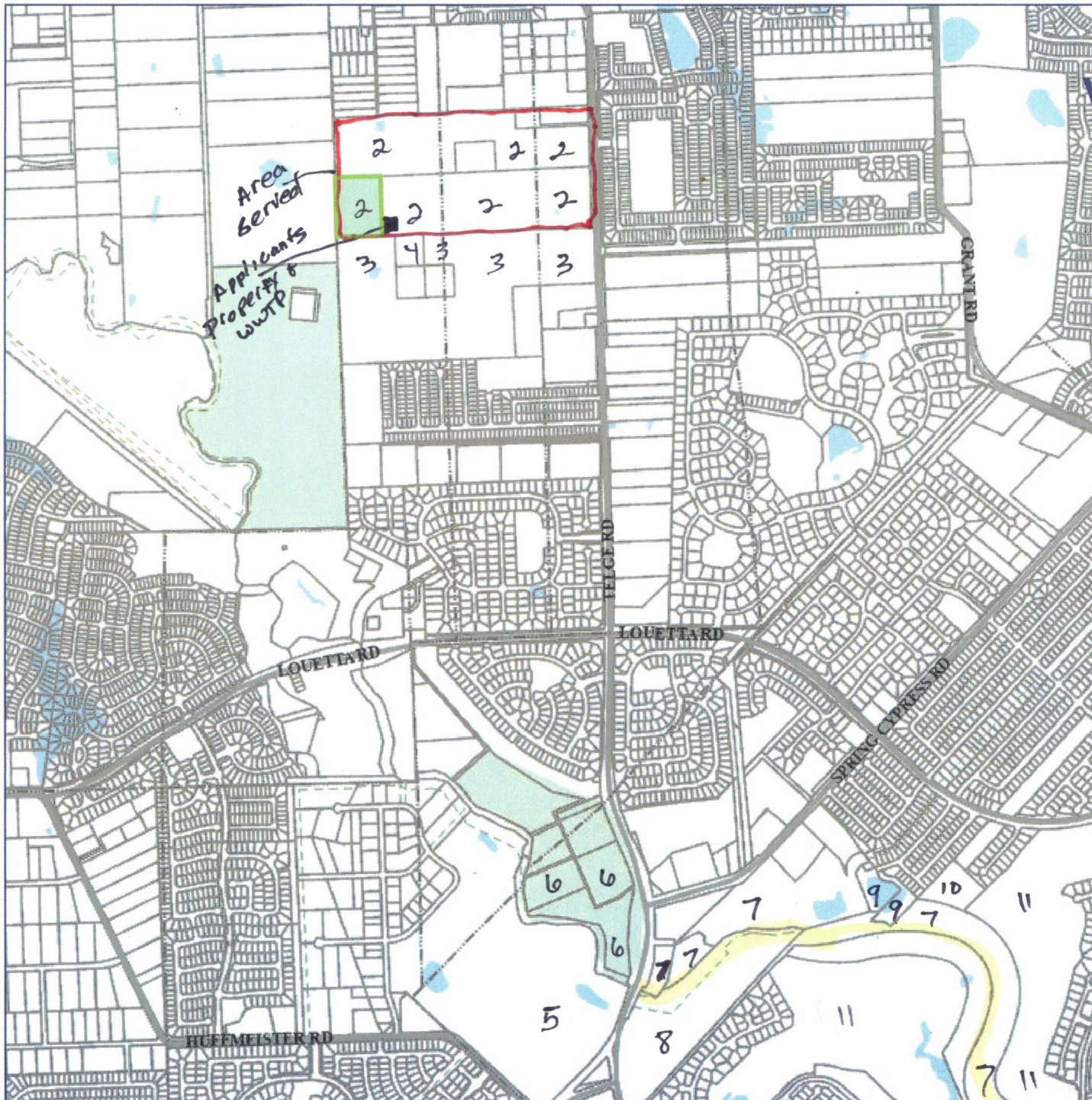


0 2,000 US Feet



Geospatial or map data maintained by the Harris Central Appraisal District is for informational purposes and may **not** have been prepared for or be suitable for legal, engineering, or surveying purposes. It does **not** represent an on-the-ground survey and only represents the approximate location of property boundaries.

Date: 7/8/2025; File: / Letter Landscape Side



2. 81 Villa Robles LTD
16427 Telge Rd
Cypress, Texas 77429
3. Nguyen Michael Khanh Kim
16205 Telge Rd
Cypress Texas 77429
4. Nguyen Thuan K & Chi U
16217 Telge Rd
Cypress Texas 77429
5. Trunkline Gas Company
PO Box 4967
Houston, Texas 77210
6. County of Harris
PO Box 1525
Houston, Texas 77251
7. Harris County Flood Control
District
9900 NW Freeway
Houston, Texas 77092
8. Erbin O Keith Family LTD
PO Box 130974
Houston Texas 77219
9. NW Harris County MUD 5
Smith Murdaugh & Little
1100 Louisiana St., Ste. 400
Houston, Texas 77002
10. Longwood Village HOA Sterling ASI
6842 North Sam Houston Pkwy W
Houston Texas 77064
11. Longwood Interest LTD
13102 Spartan Ct
Houston, Texas 77041

81 VILLA ROBLES LTD
16427 TELGE ROAD
CYPRESS, TX 77429

COUNTY OF HARRIS
PO BOX 1525
HOUSTON, TX 77251

NGUYEN MICHAEL KHANH KIM
16205 TELGE ROAD
CYPRESS, TX 77429

HARRIS COUNTY FLOOD CONTROL
DISTRICT
9900 NW FREEWAY
HOUSTON, TX 77092

NGUYEN THUAN K & CHI U
16217 TELGE ROAD
CYPRESS, TX 77429

ERBIN O KEITH FAMILY LTD
PO BOX 130974
HOUSTON, TX 77219

TRUNKLINE GAS COMPANY
PO BOX 4967
HOUSTON, TX 77210

NW HARRIS COUNTY MUD 5
SMITH MURDAUGH & LITTLE
1100 LOUISIANA ST STE 400
HOUSTON, TX 77002

LONGWOOD VILLAGE HOA
STERLING ASI
6842 NORTH SAM HOUSTON PKWY W
HOUSTON, TX 77064

LONGWOOD INTERESTS LTD
13102 SPARTAN CT
HOUSTON, TX 77041