

TCEQ TPDES PERMIT APPLICATION

CIELO GARDENS WATER RECLAMATION FACILITY

Prepared For:
CIELO GARDENS L.P.



Prepared by:
Green Civil Design, LLC.
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Engineering & Consulting

301 Denali Pass, Suite 3
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(512) 640-6590

Texas Registered Engineering Firm F-17563

June 13, 2023

Texas Commission on Environmental Quality
Applications Review and Processing Team (MC 158)
P.O. Box 13087
Austin, Texas 78711-3087

**Re: TPDES Permit Application
Cielo Gardens L.P.
Cielo Gardens Water Reclamation Facility**

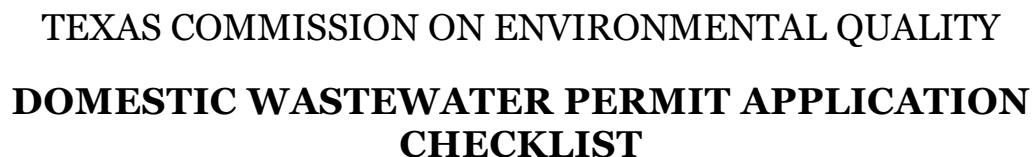
To Whom it May Concern,

The attached application is for a new TPDES permit for Cielo Gardens L.P.'s proposed Cielo Garden Water Reclamation Facility (WRF). The proposed WRF is located at 10620 FM 1105, Jarrell, TX 76537 in Williamson County. The proposed permit includes four (4) phases, with an ultimate capacity of up to 900,000-gpd for the treatment and discharge of treated effluent. Proposed effluent parameters are provided in Attachment I.

If you have any questions, or need additional information, please do not hesitate to contact me. My address and phone number are listed above, and my email is mbev@greencivildesign.com.

Sincerely,
Green Civil Design, LLC

Michael E. Bevilacqua, P.E.



APPLICANT: Cielo Gardens L.P.

PERMIT NUMBER:

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 checked="" type="checkbox"/>	<input 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 type="checkbox"/>	<input checked="" type="checkbox"/>
Worksheet 3.1	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.2	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 3.3	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 4.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 5.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 6.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Worksheet 7.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

For TCEQ Use Only

Segment Number _____ County _____
Expiration Date _____ Region _____
Permit Number _____



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

APPLICATION FOR A DOMESTIC WASTEWATER PERMIT

ADMINISTRATIVE REPORT 1.0

If you have questions about completing this form please contact the Applications Review and Processing Team at 512-239-4671.

Section 1. Application Fees (Instructions Page 29)

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

Flow	New/Major Amendment	Renewal
<0.05 MGD	\$350.00 <input type="checkbox"/>	\$315.00 <input type="checkbox"/>
≥0.05 but <0.10 MGD	\$550.00 <input type="checkbox"/>	\$515.00 <input type="checkbox"/>
≥0.10 but <0.25 MGD	\$850.00 <input type="checkbox"/>	\$815.00 <input type="checkbox"/>
≥0.25 but <0.50 MGD	\$1,250.00 <input type="checkbox"/>	\$1,215.00 <input type="checkbox"/>
≥0.50 but <1.0 MGD	\$1,650.00 <input checked="" 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: 1140
Check/Money Order Amount: \$1,650.00
Name Printed on Check: Cielo Gardens L.P.

EPAY Voucher Number:

Copy of Payment Voucher enclosed? Yes ☐

Section 2. Type of Application (Instructions Page 29)

- | | |
|---|---|
| <input checked="" type="checkbox"/> New TPDES | <input type="checkbox"/> New TLAP |
| <input type="checkbox"/> Major Amendment <u>with</u> Renewal | <input type="checkbox"/> Minor Amendment <u>with</u> Renewal |
| <input type="checkbox"/> Major Amendment <u>without</u> Renewal | <input type="checkbox"/> Minor Amendment <u>without</u> Renewal |
| <input type="checkbox"/> Renewal without changes | <input type="checkbox"/> Minor Modification of permit |

For amendments or modifications, describe the proposed changes:

For existing permits:

Permit Number: WQ00

EPA I.D. (TPDES only): TX

Expiration Date:

Section 3. Facility Owner (Applicant) and Co-Applciant Information (Instructions Page 29)

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

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

Cielo Gardens L.P.

(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:

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

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Shawn Breedlove

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

Title: Partner

B. Co-applciant 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-applciant applying for this permit?

(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-applciant 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:

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

Prefix (Mr., Ms., Miss):

First and Last Name:

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

Title:

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

C. Core Data Form

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

Attachment: A

Section 4. Application Contact Information (Instructions Page 30)

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

A. Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Michael Bevilacqua

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

Title: Project Manager

Organization Name: Green Civil Design, LLC

Mailing Address: 301 Denali Pass, Suite 3

City, State, Zip Code: Cedar Park, TX 78613

Phone No.: 512-640-6590 Ext.: 1003 Fax No.: 512-551-4255

E-mail Address: mbev@greencivildesign.com

Check one or both: ☒ Administrative Contact ☒ Technical Contact

B. Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Andrew Bilger

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

Title:

Organization Name: Cielo Gardens L.P.

Mailing Address: 3939 Bee Caves Road, Suite C-100

City, State, Zip Code: West Lake Hills, TX 78746

Phone No.: 512-328-1184 Ext.: Fax No.:

E-mail Address: atbilger@icloud.com

Check one or both: ☒ Administrative Contact ☐ Technical Contact

Section 5. Permit Contact Information (Instructions Page 30)

Provide two names of individuals that can be contacted throughout the permit term.

A. Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Shawn Breedlove

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

Title: Partner

Organization Name: Cielo Gardens L.P.

Mailing Address: 3939 Bee Caves Road, Suite C-100

City, State, Zip Code: West Lake Hills, TX 78746

Phone No.: 512-328-1184 Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: ibreedlove@icloud.com

B. Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Andrew Bilger

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

Title: [REDACTED]

Organization Name: Cielo Gardens L.P.

Mailing Address: 3939 Bee Caves Road, Suite C-100

City, State, Zip Code: West Lake Hills, TX 78746

Phone No.: 512-328-1184 Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: atbilger@icloud.com

Section 6. Billing Information (Instructions Page 30)

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

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Shawn Breedlove

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

Title: Partner

Organization Name: Cielo Gardens L.P.

Mailing Address: 3939 Bee Caves Road, Suite C-100

City, State, Zip Code: West Lake Hills, TX 78746

Phone No.: 512-328-1184 Ext.: [REDACTED]

Fax No.: [REDACTED]

E-mail Address: ibreedlove@icloud.com

Section 7. DMR/MER Contact Information (Instructions Page 31)

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

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Shawn Breedlove

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

Title: Partner

Organization Name: Cielo Gardens L.P.

Mailing Address: 3939 Bee Caves Road, Suite C-100

City, State, Zip Code: West Lake Hills, TX 78746

Phone No.: 512-328-1184 Ext.:

Fax No.:

E-mail Address: ibreedlove@icloud.com

DMR data is required to be submitted electronically. Create an account at:

<https://www.tceq.texas.gov/permitting/netdmr/netdmr.html>.

Section 8. Public Notice Information (Instructions Page 31)

A. Individual Publishing the Notices

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Michael Bevilacqua

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

Title: Project Manager

Organization Name: Green Civil Design, LLC

Mailing Address: 301 Denali Pass, Suite 3

City, State, Zip Code: Cedar Park, TX 78613

Phone No.: 512-640-6590 Ext.: 1003 Fax No.: 512-551-4255

E-mail Address: mbev@greencivildesign.com

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

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

☒ E-mail Address

☐ Fax

☐ Regular Mail

C. Contact person to be listed in the Notices

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Michael Bevilacqua

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

Title: Project Manager

Organization Name: Green Civil Design, LLC

Phone No.: 512-640-6590 Ext.: 1003

E-mail: mbev@greencivildesign.com

D. Public Viewing Information

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

Public building name: Georgetown Public Library

Location within the building:

Physical Address of Building: 402 W. 8th Street

City: Georgetown, TX 78626

County: Williamson

Contact Name: Shelia Gauntt - Library Assistant

Phone No.: 512-930-3551 Ext.:

E. Bilingual Notice Requirements:

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

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

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

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

☒

Yes

☐

No

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

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

☒

Yes

☐

No

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

☐

Yes

☐

No

Phone No.: [REDACTED] E-mail Address: [REDACTED]

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: [REDACTED]

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

Prefix (Mr., Ms., Miss): [REDACTED]

First and Last Name: [REDACTED]

Mailing Address: [REDACTED]

City, State, Zip Code: [REDACTED]

Phone No.: [REDACTED] E-mail Address: [REDACTED]

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: [REDACTED]

Section 10. TPDES Discharge Information (Instructions Page 34)

- 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 is located at 10620 FM 1105, Jarrell, TX 76537 in Williamson County, Texas

- 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:

Treated effluent will be discharged from the facility into Willis Creek (Unclassified segment 1247A), thence into Granger Lake (Classified Segment 1247)

City nearest the outfall(s): Jarrell

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

Outfall Latitude: 30.7779

Longitude: -97.5646

- 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: [REDACTED]

- 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.

[REDACTED]

Section 11. TLAP Disposal Information (Instructions Page 36)

- 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:

[REDACTED]

- B. City nearest the disposal site: [REDACTED]

- C. County in which the disposal site is located: [REDACTED]

- D. Disposal Site Latitude: [REDACTED] Longitude: [REDACTED]

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

[REDACTED]

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

[REDACTED]

Section 12. Miscellaneous Information (Instructions Page 37)

- 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.

- 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:

- D. Do you owe any fees to the TCEQ?

☐ Yes ☒ No

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

Account number:

Amount past due:

- E. Do you owe any penalties to the TCEQ?

☐ Yes ☒ No

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

Enforcement order number:

Amount past due:

Section 13. Attachments (Instructions Page 38)

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: Link here to attachments

Section 14. Signature Page (Instructions Page 39)

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

Permit Number: 019210071000033

Applicant: Cielo Gardens L.P.

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.

SB CIELO GARDENS, LP

Signatory name (typed or printed): FOUR SEASONS LAND AND DEVELOPMENT, LLC

Signatory title: GENERAL PARTNER

Signature:  MANAGER Date: 11.15.22
(Use blue ink)

Subscribed and Sworn to before me by the said Stephanie Doggett

on this 15 day of November, 20 22.

My commission expires on the 6 day of June, 20 23.


Notary Public

Travis
County, Texas



[SEAL]

Section 15. Plain Language Summary (Instructions Page 40)

If you are subject to the alternative language notice requirements in [30 Texas Administrative Code §39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS

DOMESTIC WASTEWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 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.

1. Enter applicant's name here. (2. Enter Customer Number here (i.e., CN6#####).) 3. Choose from the drop-down menu. 4. Enter name of facility here. 5. Enter Regulated Entity Number here (i.e., RN1#####). 6. Choose from the drop-down menu. 7. Enter facility description here. The facility 8. Choose from the drop-down menu. located 9. Enter location here. , in 10. Enter city name here. , 11. Enter county name here. County, Texas 12. Enter zip code here.

13. Enter summary of application request here. <<For TLAP applications include the following sentence, otherwise delete:>> This permit will not authorize a discharge of pollutants into water in the state.

Discharges from the facility are expected to contain 14. List all expected pollutants here. 15. Enter types of wastewater discharged here. 16. Choose from the drop-down menu. treated by 17. Enter a description of wastewater treatment used at the facility here.

PLANTILLA EN ESPAÑOL PARA SOLICITUDES NUEVAS/RENOVACIONES/ENMIENDAS

TPDES o TLAP

AGUAS RESIDUALES DOMÉSTICAS

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.

1. Introduzca el nombre del solicitante aquí. (2. Introduzca el número de cliente aquí (es decir, CN6 #####).) 3. Elija del menú desplegable. 4. Introduzca el nombre de la instalación aquí. 5. Introduzca el número de entidad regulada aquí (es decir, RN1 #####). 6. Elija del menú desplegable. 7. Introduzca la descripción de la instalación aquí. . La instalación 8. Elija del menú desplegable. ubicado 9. Introduzca la ubicación aquí. , en 10. Introduzca el nombre de la ciudad aquí. , Condado de 11. Introduzca el nombre del condado aquí. , Texas 12. Introduzca el código postal aquí. . 13. Introduzca el resumen de la solicitud de solicitud aquí. <<Para las aplicaciones de TLAP incluya la siguiente oración, de lo contrario, elimine:>> Este permiso no autorizará una descarga de contaminantes en el agua en el estado.

Se espera que las descargas de la instalación contengan 14. Liste todos los contaminantes esperados aquí. . 15. Introduzca los tipos de aguas residuales descargadas aquí. 16. Elija del menú desplegable. tratado por 17. Introduzca una descripción del tratamiento de aguas residuales utilizado en la instalación aquí.

DOMESTIC ADMINISTRATIVE REPORT 1.1

The following information is required for new and amendment applications.

Section 1. Affected Landowner Information (Instructions Page 41)

- 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: Williamson County Appraisal District
- E. As required by *Texas Water Code § 5.115*, is any permanent school fund land affected by this application?
- ☐ Yes ☒ No

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

Section 2. Original Photographs (Instructions Page 44)

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 44)

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

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

SUPPLEMENTAL PERMIT INFORMATION FORM (SPIF)

FOR AGENCIES REVIEWING DOMESTIC 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)

The SPIF must be completed as a separate document. The TCEQ will mail a copy of the SPIF to each agency as required by the TCEQ agreement with EPA. If any of the items are not completely addressed or further information is needed, you will be contacted to provide the information before the permit is issued. Each item must be completely addressed.

Do not refer to a response of any item in the permit application form. Each attachment must be provided with this form separately from the administrative report of the application. The application will not be declared administratively complete without this form being completed in its entirety including all attachments.

The following applies to all applications:

1. Permittee: Cielo Gardens L.P.

Permit No. WQ00

EPA ID No. TX

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

10620 FM 1105, Jarrell, TX 76537

Provide the name, address, phone and fax number of an individual that can be contacted to answer specific questions about the property.

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Shawn Breedlove

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

Title: Partner

Mailing Address: 3939 Bee Caves Road, Suite C-100

City, State, Zip Code: West Lake Hills, TX 78746

Phone No.: 512-328-1184 Ext.: Fax No.:

E-mail Address: ibreedlove@icloud.com

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

N/A

4. Provide a description of the effluent discharge route. The discharge route must follow the flow of effluent from the point of discharge to the nearest major watercourse (from the point of discharge to a classified segment as defined in 30 TAC Chapter 307). If known, please identify the classified segment number.

Treated effluent will be discharged from the facility into Willis Creek (Unclassified Segment 1247A), thence into Granger Lake (Classified Segment 1247).

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

6. List proposed construction impact (surface acres to be impacted, depth of excavation, sealing of caves, or other karst features):

The proposed construction is anticipated to impact approximately 2 to 3 acres. Existing vegetation, trees, and brush are anticipated to be removed. The depth of excavation is anticipated to be a maximum of 15-ft. Cave and/or other karst features are not known or be present at the site.

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

The existing site has a single-family house and other farm structures (to be removed). A portion of the property is open fields with other portions are heavily shaded with trees.

THE FOLLOWING ITEMS APPLY ONLY TO APPLICATIONS FOR NEW TPDES PERMITS AND MAJOR AMENDMENTS TO TPDES PERMITS

8. List construction dates of all buildings and structures on the property:

The existing structures were built in 1993 or earlier (based on historical aerials). These structures are to be removed. New Construction is anticipated to begin in early 2024.

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

The property was conveyed from the Veterans Land Board to an individual owner in 1950 and stayed in that owner's name until 2021. A house and farm structures have been on the property since at last 1993 (based on historical aerials). The property was conveyed to Cielo Gardens L.P. in 2021.

CHECKLIST OF COMMON DEFICIENCIES

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

Core Data Form (TCEQ Form No. 10400) <i>(Required for all applications types. Must be completed in its entirety and signed. Note: Form may be signed by applicant representative.)</i>	<input checked="" type="checkbox"/>	Yes
Correct and Current Industrial Wastewater Permit Application Forms <i>(TCEQ Form Nos. 10053 and 10054. Version dated 6/25/2018 or later.)</i>	<input checked="" type="checkbox"/>	Yes
Water Quality Permit Payment Submittal Form (Page 19) <i>(Original payment sent to TCEQ Revenue Section. See instructions for mailing address.)</i>	<input checked="" type="checkbox"/>	Yes
7.5 Minute USGS Quadrangle Topographic Map Attached <i>(Full-size map if seeking "New" permit. 8 ½ x 11 acceptable for Renewals and Amendments)</i>	<input checked="" type="checkbox"/>	Yes
Current/Non-Expired, Executed Lease Agreement or Easement Attached	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes
Landowners Map <i>(See instructions for landowner requirements)</i>	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes

Things to Know:

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

Landowners Cross Reference List <i>(See instructions for landowner requirements)</i>	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes
Landowners Labels or USB Drive attached <i>(See instructions for landowner requirements)</i>	<input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Yes
Original signature per 30 TAC § 305.44 – Blue Ink Preferred <i>(If signature page is not signed by an elected official or principle executive officer, a copy of signature authority/delegation letter must be attached)</i>	<input checked="" type="checkbox"/>	Yes

ATTACHMENT A
CORE DATA FORM



TCEQ Core Data Form

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

SECTION I: General Information

1. Reason for Submission (If other is checked please describe in space provided.)		
<input checked="" type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)		<input type="checkbox"/> Other
2. Customer Reference Number (if issued)	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number (if issued)
CN		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)		6/13/2023	
<input checked="" type="checkbox"/> New Customer <input type="checkbox"/> Update to Customer Information <input type="checkbox"/> Change in Regulated Entity Ownership					
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)					
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>					
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)				<i>If new Customer, enter previous Customer below:</i>	
Cielo Gardens L.P.					
7. TX SOS/CPA Filing Number		8. TX State Tax ID (11 digits)		9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
0803410017		32071825379			
11. Type of Customer:		<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input checked="" type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship		<input 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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following					
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:					
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant					
15. Mailing Address:	3939 Bee Caves Road				
	Suite C-100				
	City	West Lake Hills	State	TX	ZIP 78746 ZIP + 4
16. Country Mailing Information (if outside USA)				17. E-Mail Address (if applicable)	
				ibreedlove@icloud.com	
18. Telephone Number		19. Extension or Code		20. Fax Number (if applicable)	

SECTION III: Regulated Entity Information

21. General Regulated Entity Information (If 'New Regulated Entity' is selected, a new permit application is also required.)								
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information								
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>								
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)								
Cielo Gardens Water Reclamation Facility								
23. Street Address of the Regulated Entity: (No PO Boxes)		10620 FM 1105						
		City	Jarrell	State	TX	ZIP	76537	ZIP + 4
24. County		Williamson						

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

25. Description to Physical Location:											
26. Nearest City				State		Nearest ZIP Code					
<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:						28. Longitude (W) In Decimal:					
Degrees		Minutes		Seconds		Degrees		Minutes		Seconds	
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						221320					
33. What is the Primary Business of this entity? (Do not repeat the SIC or NAICS description.)											
Treat and Dispose of Domestic Wastewater											
34. Mailing Address:		3939 Bee Caves Road									
		Suite C-100									
		City	West Lake Hills	State	TX	ZIP	78746	ZIP + 4			
35. E-Mail Address:		ibreedlove@icloud.com									
36. Telephone Number				37. Extension or Code		38. Fax Number (if applicable)					
(512) 328-1184						() -					

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


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

SECTION IV: Preparer Information

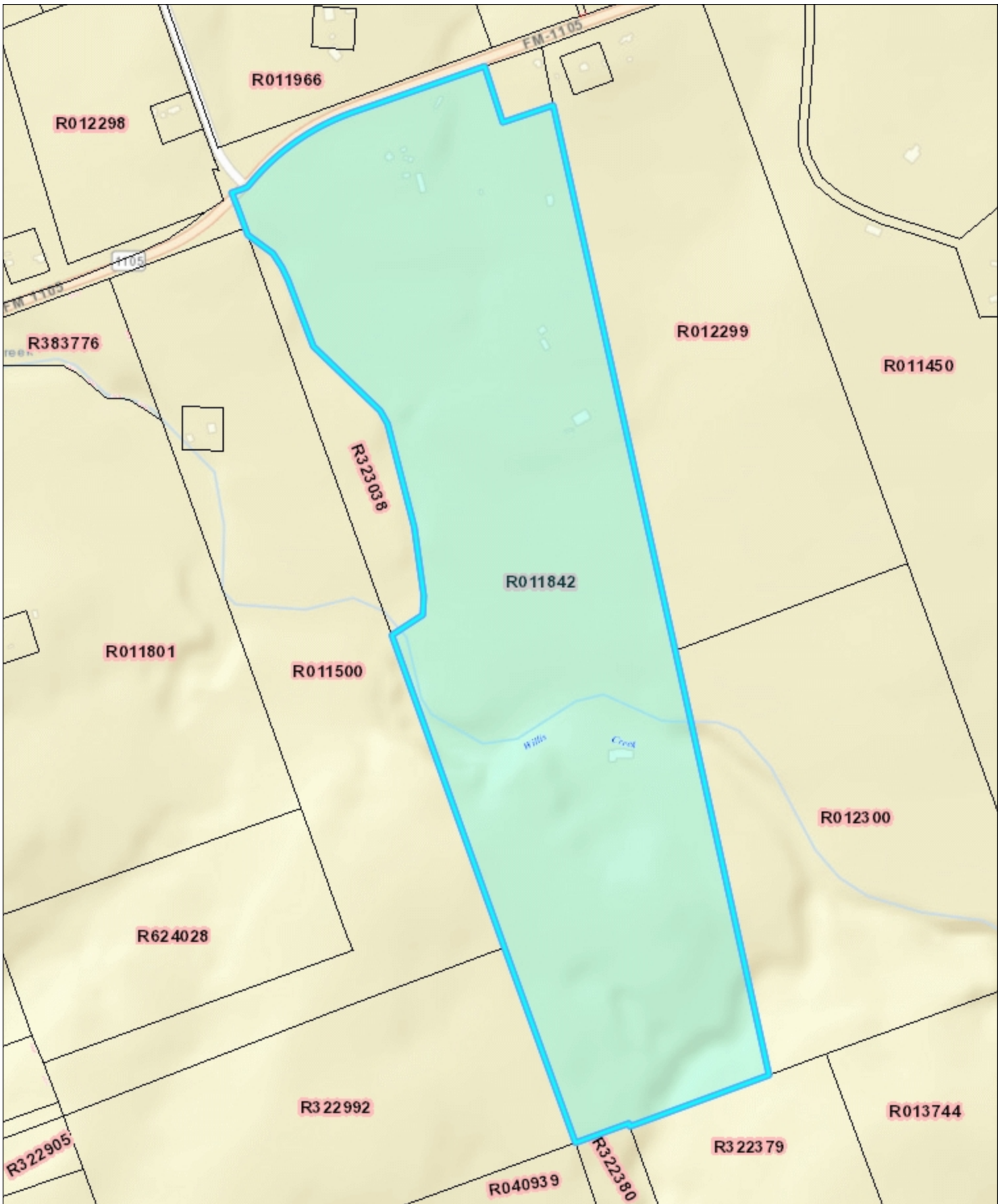
40. Name:	Michael Bevilacqua			41. Title:	Project Manager
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(512) 640-6590	1003	(512) 551-4255	mbev@greencivildesign.com		

SECTION V: Authorized Signature

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

Company:	Green Civil Design, LLC		Job Title:	Project Manager	
Name (In Print):	Michael Bevilacqua			Phone:	(512) 640- 6590
Signature:				Date:	6/13/2023

ATTACHMENT B
WASTEWATER TREATMENT PLANT AND DISCHARGE PROPERTY DEED



Enter Map Title...
Web Print: 11/01/2022

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.



WCAD

Property
R011842

Owner
CIELO GARDENS LP

Property Address
10620 FM 1105, JARRELL, TX 76537

Tax Year
2023

2023 Market Value
N/A

2023 GENERAL INFORMATION

Property Status
Active

Property Type
Residential

Legal Description
AW0664 AW0664 - Wilbarger, J.w. Sur., SERIAL UNK, TITLE # FCNT09/07, LABEL # UNK, ACRES 151.39, MODEL UNK

Neighborhood
J002D35H - JARRELL ISD RURAL BEFORE 1990

Account
R-11-0664-0000-0003

Related Properties
R624260

Map Number
2-4048,2-3248

2023 VALUE INFORMATION

Improvement Homesite Value
N/A

Improvement Non-Homesite Value
N/A

Total Improvement Market Value
N/A

Land Homesite Value
N/A

Land Non-Homesite Value
N/A

Land Agricultural Market Value
N/A

Total Land Market Value
N/A

Total Market Value
N/A

Agricultural Use
N/A

Timber Use
N/A

Total Appraised Value
N/A

Homestead Cap Loss
N/A

Total Assessed Value
N/A

2023 OWNER INFORMATION

Owner Name
CIELO GARDENS LP

Owner ID

Exemptions
Agriculture Use





Percent Ownership
100%

Mailing Address
3939 BEE CAVE RD #STE C-100 WEST LAKE HILLS, TX 78746

Agent
TEXAS PROTAX AUSTIN INC (A1168)

2023 ENTITIES & EXEMPTIONS

Special Exemptions AG - Agriculture Use

TAXING ENTITY	EXEMPTIONS	EXEMPTIONS AMOUNT	TAXABLE VALUE	TAX RATE PER 100	TAX CEILING
CAD- Williamson CAD		N/A	N/A	N/A	N/A
 F02- Wmsn ESD #5		N/A	N/A	N/A	N/A
 GWI- Williamson CO		N/A	N/A	N/A	N/A
 RFM- Wmsn CO FM/RD		N/A	N/A	N/A	N/A
 SJA- Jarrell ISD		N/A	N/A	N/A	N/A

2023 IMPROVEMENTS

⌵ Expand/Collapse All

Improvement #1
-

State Code
E1 - Farm And Ranch Improvements-residence

Homesite
Yes

Total Main Area (Exterior Measured)
3,387 Sq. Ft

Market Value
N/A

RECORD	TYPE	YEAR BUILT	SQ. FT	VALUE	ADD'L INFO
1	Main Area	1983	2,727	N/A	⌵ Details
2	Second Floor	1983	660	N/A	⌵ Details
3	Open Porch	1983	72	N/A	⌵ Details
4	Open Porch	1983	450	N/A	⌵ Details
5	Garage	1983	408	N/A	⌵ Details
6	Carport	1983	576	N/A	⌵ Details
7	Fireplace	1983	3	N/A	⌵ Details
000031					

8	Concrete Pool	1993	703	N/A	⌵ Details
9	Site Improvement	-	1	N/A	⌵ Details

Improvement #2	State Code	Homesite	Total Main Area (Exterior Measured)	Market Value
-	E1 - Farm And Ranch Improvements-residence	No	936 Sq. Ft	N/A

RECORD	TYPE	YEAR BUILT	SQ. FT	VALUE	ADD'L INFO
1	Main Area	1986	936	N/A	⌵ Details
2	Open Porch	1986	174	N/A	⌵ Details
3	Open Porch	1986	156	N/A	⌵ Details
4	Garage	1986	390	N/A	⌵ Details
5	Site Improvement	-	1	N/A	⌵ Details

Improvement #3	State Code	Homesite	Total Main Area (Exterior Measured)	Market Value
-	E1 - Farm And Ranch Improvements-residence	No	1,285 Sq. Ft	N/A

RECORD	TYPE	YEAR BUILT	SQ. FT	VALUE	ADD'L INFO
1	Main Area	1930	1,285	N/A	⌵ Details
2	Open Porch	-	112	N/A	⌵ Details
3	Open Porch	1992	35	N/A	⌵ Details
4	Patio	1992	238	N/A	⌵ Details
5	Site Improvement	-	1	N/A	⌵ Details

Improvement #4	State Code	Homesite	Total Main Area (Exterior Measured)	Market Value
-	E2 - Farm And Ranch Improvements-mobile Home	No	732 Sq. Ft	N/A

RECORD	TYPE	YEAR BUILT	SQ. FT	VALUE	ADD'L INFO
1	Main Area	1979	732	N/A	⌵ Details
2	Open Porch	1979	115	N/A	⌵ Details
3	Site Improvement	-	-	N/A	⌵ Details

Improvement #5	State Code	Homesite	Total Main Area (Exterior Measured)	Market Value
-	D2 - Farm Buildings Excluding Homestead	No	-	N/A

RECORD	TYPE	YEAR BUILT	SQ. FT	VALUE	ADD'L INFO
1	Out Bldg	-	-	N/A	⌵ Details

2023 LAND SEGMENTS

LAND SEGMENT TYPE	STATE CODE	HOMESITE	MARKET VALUE	AG USE	TIM USE	LAND SIZE
1 - Residential	E1 - Farm And Ranch Improvements-residence	Yes	N/A	N/A	N/A	3.320000 acres
2 - Residential	E1 - Farm And Ranch Improvements-residence	No	N/A	N/A	N/A	3.780000 acres
3 - Dry Crop II	D3 - Dry Crop Or Farmland	No	N/A	N/A	N/A	49.000000 acres
4 - Native Pasture I	D1 - Qualified AG Use	No	N/A	N/A	N/A	94.624000 acres
5 - Vacant Land	E4 - Vacant Acreage (unless platted)	No	N/A	N/A	N/A	0.666000 acres

000032

TOTALS

VALUE HISTORY

YEAR	IMPROVEMENT	LAND	MARKET	AG MARKET	AG USE	APPRAISED	HS CAP LOSS	ASSESSED
2022	\$622,672	\$162,868	\$785,540	\$3,012,083	\$21,504	\$807,044	\$0	\$807,044
2021	\$357,835	\$112,452	\$470,287	\$2,065,485	\$18,031	\$488,318	\$0	\$488,318
2020	\$339,941	\$92,014	\$431,955	\$1,690,099	\$16,806	\$448,761	\$0	\$448,761
2019	\$333,611	\$54,727	\$388,338	\$1,005,212	\$19,465	\$407,803	\$0	\$407,803
2018	\$317,036	\$44,154	\$361,190	\$811,010	\$24,934	\$386,124	\$3,645	\$382,479

SALES HISTORY

DEED DATE	SELLER	BUYER	INSTR #	VOLUME/PAGE
12/13/2021	CIELO GARDENS LP	CIELO GARDENS LP	2021190320	
12/9/2021	MARTINKA, JOHNNY & DOLORES	CIELO GARDENS LP	2021190263	
	VETERANS LAND BOARD OF TEXAS	MARTINKA, JOHNNY & DOLORES	-	704/889/692/457

JRS/mm
GF No. C2188294

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER

SPECIAL WARRANTY DEED

Date: December 8, 2021

Grantor: JOHNNY MARTINKA a/k/a JOHNNY P. MARTINKA and DOLORES A. MARTINKA
10620 FM 1105
Jarrell, Williamson County, Texas 76537

Grantee: CIELO GARDENS, LP
3939 Bee Cave Road, Suite C-100
Austin, Travis County, Texas 78746

Consideration:

(a) Being the conveyance of the Relinquished Property, as that property is described below and described in that Agreement of Exchange of Real Property dated December 8, 2021, executed by Grantor, which conveyance is a tax-deferred like-kind exchange in accordance with said Agreement of Exchange of Real Property, and pursuant to the provisions of Section 1031 of the Internal Revenue Code, as amended; and,

(b) the sum of TEN AND NO/100 (\$10.00) DOLLARS and other good and valuable consideration to GRANTOR paid by GRANTEE, the receipt of which is hereby acknowledged; and

(c) the assumption by GRANTEE of all ad valorem taxes on The Property for 2021 and subsequent years, including subsequent assessments for years prior to 2021 due to a change in land usage or ownership.

Property (including any improvements):

Being 151.39 acres of land out of the John W. Wilbarger Survey, Abstract No. 664, Williamson County, Texas, being a portion of that certain tract called 156.41 acres in a deed to Johnny Martinka recorded in Volume 704, Page 692 of the deed records of Williamson County, Texas. The said 151.39 acres of land being more particularly described by metes and bounds in fieldnotes attached hereto as Exhibit "A."

Reservations From Conveyance: None

Exceptions to Conveyance and Warranty: This conveyance is made subject to those items listed on Exhibit "B" attached hereto and incorporated herein; rights of adjoining owners in any walls and fences situated on a common boundary; any discrepancies, conflicts, or shortages in area or boundary lines; any encroachments or overlapping of improvements; taxes for the current year, the payment of which Grantee assumes; and subsequent assessments for that and prior years due to change in land usage, ownership, or both, the payment of which Grantee assumes.

Notwithstanding anything herein to the contrary, Grantor makes no representation as to ownership of the mineral estate and specifically disclaims any and all warranties related to the mineral estate that might otherwise arise by law or by the terms of this Deed.

Grantor, for the Consideration, receipt of which is acknowledged, and subject to the Exceptions to Conveyance and Warranty, GRANTS, SELLS, AND CONVEYS to Grantee the Property, together with all and singular the rights and appurtenances thereto in any way belonging, to have and to hold it to Grantee and Grantee's successors, and assigns forever. Grantors bind Grantors and Grantors' heirs and successors to warrant and forever defend all and singular the Property to Grantee and Grantee's successors, and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof when the claim is by, through, or under Grantors, but not otherwise, except as to the Exceptions to Conveyance and Warranty.

AS A MATERIAL PART OF THE CONSIDERATION FOR THIS DEED, GRANTOR AND GRANTEE AGREE THAT GRANTEE IS TAKING THE PROPERTY "AS IS" AND "WHERE IS" AND WITH ALL FAULTS. GRANTEE ACKNOWLEDGES THAT GRANTEE HAS NO RECOURSE AGAINST GRANTOR IN THE EVENT OF DISCOVERY OF ANY DEFECTS OF ANY KIND, LATENT OR PATENT. GRANTEE ACKNOWLEDGES AND AGREES THAT, EXCEPT AS SPECIFICALLY SET FORTH HEREIN, GRANTOR HAS NOT MADE AND DOES NOT MAKE ANY REPRESENTATION, WARRANTY OR COVENANT OF ANY KIND OR CHARACTER WHATSOEVER, WHETHER EXPRESSED OR IMPLIED,

OR ANY WARRANTIES ARISING BY OPERATION OF LAW, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF HABITABILITY, SUITABILITY, AND MERCHANTABILITY, DESIGN OR FITNESS FOR ANY SPECIFIC OR PARTICULAR PURPOSE OR OF GOOD AND WORKMANLIKE CONSTRUCTION. GRANTEE ASSUMES ALL RISKS WITH RESPECT TO THE PHYSICAL CONDITION OF THE PROPERTY AND THE INCOME AND EXPENSES ATTRIBUTABLE THERETO.

When the context requires, singular nouns and pronouns include the plural.

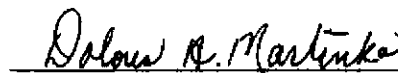
Secrest Law Firm, PLLC ("SLF") has prepared this instrument but has not closed this transaction. Grantor and Grantee are each responsible for the preparation of any closing documents or contracts of any nature between them, including any documentation required at any date for income tax or other purposes. Any proration of property taxes or other matters is the responsibility of Grantor and Grantee.

By acceptance of this Deed, Grantor and Grantee acknowledge that SLF, (1) has not ordered or examined title to the Property, (2) has made no other independent investigation of the title to the Property but has prepared this Deed based upon information and documents furnished to SLF, and (3) makes no representation or warranty, express or implied, regarding the Property or the validity or quality of its title. Grantor and Grantee are hereby directed to make their own title investigation and are advised of the availability of legal opinions, surveys and of title insurance in the event Grantor or Grantee intends to rely on anything other than his/her own investigation.

IT IS THE PARTIES' INTENTION AND DESIRE THAT THIS EXCHANGE BE VIEWED AS A NON-RECOGNITION EXCHANGE OF "LIKE-KIND" INVESTMENT PROPERTY UNDER THE PROVISIONS OF THE INTERNAL REVENUE CODE SECTION 1031(A).

GRANTOR:


JOHNNY P. MARTINKA


DOLORES A. MARTINKA

ACKNOWLEDGMENT

STATE OF TEXAS

§

§

COUNTY OF BELL

§

This instrument was acknowledged before me on December 6th, 2021, by JOHNNY P. MARTINKA and DOLORES A. MARTINKA.

C.R.L.

Notary Public, State of Texas



AGREED TO BY GRANTEE:**CIELO GARDENS, LP**

By its Managing General Partner:

**Four Seasons Land and Development,
LLC, a Texas limited liability company:**By: 

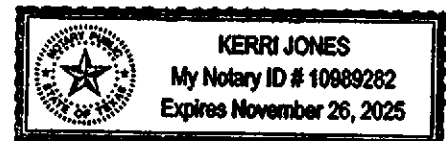
Name: R. Shawn Breedlove

Title: Managing Member

ACKNOWLEDGMENT**STATE OF TEXAS****COUNTY OF** Travis§
§
§

This instrument was acknowledged before me on this the 13 day of December, 2021 by R. SHAWN BREEDLOVE, Managing Member of FOUR SEASONS LAND AND DEVELOPMENT, LLC, a Texas limited liability company, in its capacity as Managing General Partner of CIELO GARDENS, LP, a Texas limited partnership.


Notary Public, State of Texas

**PREPARED IN THE OFFICE OF:**

SECRET LAW FIRM
3600 Birdcreek Plaza
Temple, Texas 76502

WARRANTY DEED

Martinka to Cielo - 151.39 acres

Page - 5

EXHIBIT "A"

**FIELD NOTES TO ACCOMPANY MAP OF SURVEY
151.39 ACRES
JOHN W. WILBARGER SURVEY, A-664
WILLIAMSON COUNTY, TEXAS**

FIELD NOTE DESCRIPTION OF 151.39 ACRES OF LAND OUT OF THE JOHN W. WILBARGER SURVEY, ABSTRACT NO. 664, WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF THAT CERTAIN TRACT CALLED 156.41 ACRES IN A DEED TO JOHNNY MARTINKA RECORDED IN VOLUME 704, PAGE 692 OF THE DEED RECORDS OF WILLIAMSON COUNTY TEXAS THE SAID 151.39 ACRES OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

NOTE All steel pins set cited herein are 1/4 inch diameter with cap marked Lenz & Assoc. Bearings cited herein are based on the Texas Coordinate System of 1983 (NAD83), Central Zone

COMMENCING at a computed point on the south right-of-way line of FM 1105 at the northeast corner of that certain 2 acre tract described in a deed to Johnny P. Martinka and wife, Dolores A. Martinka recorded in Volume 889, Page 457 of the Deed Records of Williamson County, Texas, the same being the north-west corner of that certain 77 acre tract described in a deed to Albert J. Tschoerner and wife, Dorothy B. Tschoerner recorded in Volume 508, Page 45 of the Deed Records of Williamson County, Texas, the same being the southeast corner of that certain 3.340 acre tract described in a right-of-way deed to the State of Texas recorded in Volume 404, Page 314 of the Deed Records of Williamson County, Texas, from which a 1/4 inch diameter steel pin found bears N 13°50'22" W, 0.19 feet and a TxDOT Type I right-of-way monument found bears N 68°36'47" E, 996.82 feet,

THENCE, S 13°50'22" E, a distance of 302.62 feet along the east line of the said 2 acre Martinka tract, the same being the west line of the said 77 acre Tschoerner tract to a steel pin set at the southeast corner of the said 2 acre Martinka tract, the same being an exterior corner of the said 156.41 acre Martinka tract for the **PLACE OF BEGINNING** of the herein described tract.

THENCE, along and with the east line of the said 156.41 acre Martinka tract, the same being the west line of the said 77 acre Tschoerner tract then the west line of that certain 70.16 acre tract described in the said deed to Albert J. Tschoerner and wife, Dorothy B. Tschoerner, with the general location and remains of a wire fence, the following three (3) courses and distances:

- 1) S 13°50'22" E, at 219.86 feet passing a wood post found and continuing for a total distance of 375.64 feet to a wood post found
- 2) S 13°53'36" E, 2632.22 feet to a steel pin set.
- 3) S 14°23'21" E, 161.00 feet to a 1/4 inch diameter steel pin found;

THENCE, traversing the interior of the said 156.41 acre Martinka tract, the following three (3) courses and distances:

- 1) N 87°19'46" W, 656.18 feet to a 1/4 inch diameter steel pin found.
- 2) S 15°16'34" E, 400.78 feet to a 1/4 inch diameter steel pin found.

151.39 Ac.
Page 2 of 4

- 3) N 83°34'50" E, 625.41 feet to a steel pin set on the east line of the said 156.41 acre Martinka tract, the same being the west line of the said 70.16 acre Tschoerner tract, from which a ½ inch diameter steel pin found bears N 14°01'06" W, 49.75 feet

THENCE, along the east line of the said 156.41 acre Martinka tract, the same being the west line of the said 70.16 acre Tschoerner tract, the following two (2) courses and distances:

- 1) S 14°01'06" E 730.78 feet to a steel pin set,
- 2) S 14°19'50" E, 856.14 feet to a steel pin set at the intersection with the north line of that certain 88.645 acre tract described in a deed to Virgil J. Tonn recorded in Volume 1845, Page 364 of the Official Records of Williamson County, Texas (called the north line of the Thomas Randall Survey, Abstract Number 530 in the said Tonn 88.645 acre deed), from which a steel pin set at the southeast corner of the said 156.41 acre Johnny Martinka tract, as fenced, bears S 14°19'50" E, 4.49 feet and a 2 inch diameter steel fence corner post found at the northeast corner of the said 88.645 acre Tonn tract bears N 69°33'15" E, 305.49 feet.

THENCE, S 69°33'15" W, along the called north line of the Thomas Randall Survey, Abstract Number 530, at 735.11 feet passing the computed northwest corner of the said 88.645 acre Tonn tract (from said computed point a ½ inch diameter steel pin found in the south line of the said 156.41 acre Martinka tract, as fenced, bears S 22°05'05" E, 15.93 feet) and continuing for a total distance of 1059.89 feet to a ½ inch diameter steel pin found at a fence corner post for the southwest corner of the said 156.41 acre Martinka tract, the same being the called northwest corner of the said Thomas Randall Survey, and being at the southeast corner of that certain 143.75 acre tract described in a deed to Johnnie F. Nemec and Alicia Marie Nemec recorded in Volume 1868, Page 730 of the Official Records of Williamson County, Texas,

THENCE, along and with the west line of the said 156.41 acre Martinka tract, the same being the east line of the said 143.75 acre Nemec tract, with the general location of a wire fence, the following three (3) courses and distances:

- 1) N 20°49'06" W 390.57 feet to a steel pin set,
- 2) N 21°34'36" W 1267.00 feet to a Mag nail set with washer marked Lenz & Assoc.,
- 3) N 22°21'06" W, 444.52 feet to a steel pin set,

THENCE, continuing along and with the west line of the said 156.41 acre Martinka tract, the same being the east line of the said 143.75 acre Nemec tract, the following ten (10) courses and distances:

- 1) N 21°29'01" W 728.56 feet to a steel pin found,
- 2) N 49°06'28" E, 220.88 feet to a steel pin set, from which a Mag nail set bears S 36°05'42" W, 16.22 feet;
- 3) N 01°57'06" W, 190.89 feet to a Mag nail set with washer marked Lenz & Assoc.;
- 4) N 10°24'16" W, 242.70 feet to a steel pin set below a 40d nail found in a wood post 3 feet above the ground;

151.39 Ac.
Page 3 of 4

- 5) N 16°26'38" W, 529.35 feet to a steel pin set, from which another steel pin set bears S 57°19'49" E, 8.80 feet;
- 6) N 39°30'40" W, 74.68 feet to a steel pin set below a 40d nail found in a wood post 2 feet above the ground;
- 7) N 49°15'59" W, 427.45 feet to a steel pin set;
- 8) N 22°10'36" W, 384.24 feet to a steel pin set;
- 9) N 35°10'06" W, 114.27 feet to a steel pin set;
- 10) N 54°41'18" W, 174.83 feet to a steel pin set at the northeast corner of the said 143.75 acre Nemec tract, being an apparent exterior corner in the right-of-way of a previous county road, from which another steel pin set bears N 7°43'23" W, 55.80 feet, another ½ inch diameter steel pin found on the south right-of-way line of FM 1105 at the northwest corner of the said 143.75 acre Nemec tract bears S 68°36'08" W, 730.14 feet and a TxDOT Type I right-of-way monument found bears S 68°36'08" W, 1740.25 feet

THENCE, N 22°12'42" W, a distance of 120.49 feet, continuing along the west line of the said 156.41 acre Martinka tract, being a common line with the apparent previous county road right-of-way, to a steel pin set at the southwest corner of the said 3.340 acres conveyed to the State of Texas by deed recorded in Volume 404, Page 314 of the Deed Records of Williamson County, Texas for the northwest corner of the said 156.41 acre tract,

THENCE, along and with the south right-of-way line of FM 1105 and the said 3.340 acre State of Texas tract, the same being the north line of the said 156.41 acre and 2 acre Martinka tracts, the following four (4) courses and distances:

- 1) With a curve to the left, having a central angle of 1°04'30", a radius of 1185.92 feet, an arc of 22.25 feet and a chord bearing and distance of N 42°00'52" E, 22.25 feet to a steel pin set;
- 2) N 41°36'03" E, 220.98 feet to a steel pin set;
- 3) With a curve to the right, having a central angle of 27°00'42", a radius of 1105.92 feet, an arc of 521.38 feet and a chord bearing and distance of N 55°07'33" E, 516.56 feet to a TxDOT Type I right-of-way monument found,

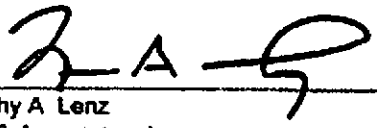
151.39 Ac.
Page 4 of 4

- 4) N 68°36'47" E, at 60.83 feet passing a ½ inch diameter steel pin found at 353.99 feet passing a ½ inch diameter steel pin found and continuing for a total distance of 719.82 feet to a 2 inch diameter steel fence post found at the northwest corner of the said 2 acre Martinka tract, the same being an exterior corner of the said 156.41 acre Martinka tract, from which a ½ inch diameter steel pin found bears N 20°55'45" W. 0.57 feet.

THENCE, S 20°55'45" E, a distance of 299.59 feet to a ½ inch diameter steel pin found at the southwest corner of the said 2 acre Martinka tract, the same being an interior corner of the said 156.41 acre Martinka tract;

THENCE, N 68°42'03" E, a distance of 271.81 feet to the **PLACE OF BEGINNING** containing 151.39 acres of land, more or less.

DECEMBER 2, 2021



Timothy A. Lenz
Lenz & Associates, Inc
Firm Number 100290-00
4150 Freidrich Lane, Suite A-1
Austin, Texas 78744
(512) 443-1174

2021-0733 (151.39 ac).docx

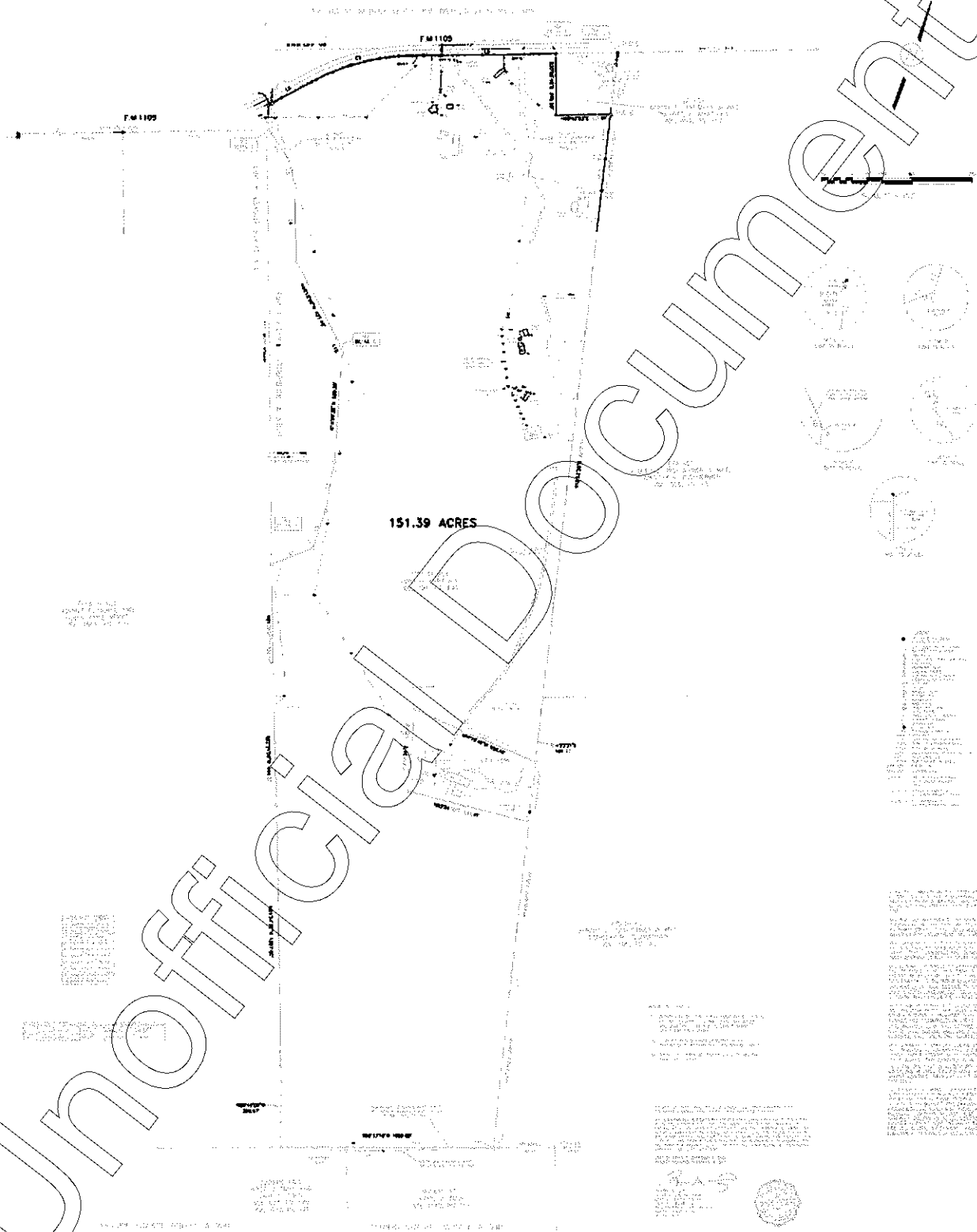


WARRANTY DEED
Martinka to Cielo – 151.39 acres
Page - 9

RECORDERS MEMORANDUM

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clearly legible for satisfactory recordation



RECORDERS MEMORANDUM

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MAP OF SURVEY
151.39 ACRES
JOHN W. WILBARGER SURVEY, A-664
WILLIAMSON COUNTY, TEXAS

LENZ & ASSOCIATES, INC.

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EXHIBIT "B"**EXCEPTIONS TO CONVEYANCE AND WARRANTY:**

- a. Easement granted to the State of Texas as set out in Volume 404, Page 314, Deed Records, Williamson County, Texas.
- b. Easement granted to the State of Texas as set out in Volume 404, Page 316, Deed Records, Williamson County, Texas.
- c. Easement granted to Bartlett Electric Cooperative, Inc., as set out in Volume 2109, Page 35, Deed Records, Williamson County, Texas.
- d. Easement granted to Bartlett Electric Cooperative, Inc. as set out in Document No. 9825189, Official Public Records, Williamson County, Texas.
- e. Easement granted to Bartlett Electric Cooperative, Inc. as set out in Document No. 2021016309, Official Public Records, Williamson County, Texas.
- f. Easement granted to Jarrell-Schwertner Water Supply Corporation as set out in Document No. 2021071946, Official Public Records, Williamson County, Texas.
- g. Property lies within Williamson County Emergency District No.5 which has taxing authority.
- h. All leases, grants, exceptions or reservations of coal, lignite, oil, gas and other minerals, together with all rights, privileges, and immunities relating thereto, appearing in the Public Records whether listed on Schedule B or not. There may be leases, grants, exceptions or reservations of mineral interest that are not listed.
- i. Any and all visible or apparent easements and rights of way over, under and across subject property.
- j. Any and all leases, recorded or unrecorded, with rights of tenants in possession.
- k. The land described herein shall not include any manufactured home. Any manufactured home on the land is excluded from the coverage of title insurance.
- l. Subject to overhead electric lines, above ground utility lines on cedar posts and a well, as shown on survey dated 12/02/2021, prepared by Timothy A. Lenz, RPLS #4393.
- m. Subject to fence(s) inside or outside property line(s) and any landowner claims in connection therewith.

**ELECTRONICALLY RECORDED
OFFICIAL PUBLIC RECORDS**

2021190263

Pages: 12 Fee: \$82.00
12/16/2021 08:23 AM
MBARRICK



Nancy E. Rister

Nancy E. Rister, County Clerk
Williamson County, Texas

Unofficial Document

JRS/mm
GF No. C2188300

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OR ALL OF THE FOLLOWING INFORMATION FROM ANY INSTRUMENT THAT TRANSFERS AN INTEREST IN REAL PROPERTY BEFORE IT IS FILED FOR RECORD IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER'S LICENSE NUMBER

SPECIAL WARRANTY DEED

Date: December 8, 2021

Grantor: JOHNNY MARTINKA a/k/a JOHNNY P. MARTINKA and DOLORES A. MARTINKA
10620 FM 1105
Jarrell, Williamson County, Texas 76537

Grantee: CIELO GARDENS, LP
3939 Bee Cave Road, Suite C-100
Austin, Travis County, Texas 78746

Consideration:

(a) the sum of TEN AND NO/100 (\$10.00) DOLLARS and other good and valuable consideration to GRANTOR paid by GRANTEE, the receipt of which is hereby acknowledged; and

(b) the assumption by GRANTEE of all ad valorem taxes on The Property for 2021 and subsequent years, including subsequent assessments for years prior to 2021 due to a change in land usage or ownership.

Property (including any improvements):

Being 4.97 acres of land out of the John W. Wilbarger Survey, Abstract No. 664, Williamson County, Texas, being a portion of that certain tract called 156.41 acres in a Deed to Johnny Martinka recorded in volume 704, page 692 of the Deed Records of Williamson County, Texas. the said 4.97 acres of land being more particularly described by metes and bounds in fieldnotes attached hereto as Exhibit "A."

Reservations From Conveyance: None

Exceptions to Conveyance and Warranty: This conveyance is made subject to those items listed on Exhibit "B" attached hereto and incorporated herein; rights of adjoining owners in any walls and fences situated on a common boundary; any discrepancies, conflicts, or shortages in area or boundary lines; any encroachments or overlapping of improvements; taxes for the current year, the payment of which Grantee assumes; and subsequent assessments for that and prior years due to change in land usage, ownership, or both, the payment of which Grantee assumes.

Notwithstanding anything herein to the contrary, Grantor makes no representation as to ownership of the mineral estate and specifically disclaims any and all warranties related to the mineral estate that might otherwise arise by law or by the terms of this Deed.

Grantor, for the Consideration, receipt of which is acknowledged, and subject to the Exceptions to Conveyance and Warranty, GRANTS, SELLS, AND CONVEYS to Grantee the Property, together with all and singular the rights and appurtenances thereto in any way belonging, to have and to hold it to Grantee and Grantee's successors, and assigns forever. Grantors bind Grantors and Grantors' heirs and successors to warrant and forever defend all and singular the Property to Grantee and Grantee's successors, and assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof when the claim is by, through, or under Grantors, but not otherwise, except as to the Exceptions to Conveyance and Warranty.

AS A MATERIAL PART OF THE CONSIDERATION FOR THIS DEED, GRANTOR AND GRANTEE AGREE THAT GRANTEE IS TAKING THE PROPERTY "AS IS" AND "WHERE IS" AND WITH ALL FAULTS. GRANTEE ACKNOWLEDGES THAT GRANTEE HAS NO RECOURSE AGAINST GRANTOR IN THE EVENT OF DISCOVERY OF ANY DEFECTS OF ANY KIND, LATENT OR PATENT. GRANTEE ACKNOWLEDGES AND AGREES THAT, EXCEPT AS SPECIFICALLY SET FORTH HEREIN, GRANTOR HAS NOT MADE AND DOES NOT MAKE ANY REPRESENTATION, WARRANTY OR COVENANT OF ANY KIND OR CHARACTER WHATSOEVER, WHETHER EXPRESSED OR IMPLIED, OR ANY WARRANTIES ARISING BY OPERATION OF LAW, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF HABITABILITY, SUITABILITY, AND MERCHANTABILITY, DESIGN OR FITNESS FOR ANY SPECIFIC OR PARTICULAR PURPOSE OR OF GOOD AND WORKMANLIKE CONSTRUCTION. GRANTEE ASSUMES ALL RISKS WITH

RESPECT TO THE PHYSICAL CONDITION OF THE PROPERTY AND THE INCOME AND EXPENSES ATTRIBUTABLE THERETO.

When the context requires, singular nouns and pronouns include the plural.

Secrest Law Firm, PLLC ("SLF") has prepared this instrument but has not closed this transaction. Grantor and Grantee are each responsible for the preparation of any closing documents or contracts of any nature between them, including any documentation required at any date for income tax or other purposes. Any proration of property taxes or other matters is the responsibility of Grantor and Grantee.

By acceptance of this Deed, Grantor and Grantee acknowledge that SLF, (1) has not ordered or examined title to the Property, (2) has made no other independent investigation of the title to the Property but has prepared this Deed based upon information and documents furnished to SLF, and (3) makes no representation or warranty, express or implied, regarding the Property or the validity or quality of its title. Grantor and Grantee are hereby directed to make their own title investigation and are advised of the availability of legal opinions, surveys and of title insurance in the event Grantor or Grantee intends to rely on anything other than his/her own investigation.

GRANTOR:

Johnny P. Martinka
JOHNNY P. MARTINKA

Dolores A. Martinka
DOLORES A. MARTINKA

ACKNOWLEDGMENT

STATE OF TEXAS

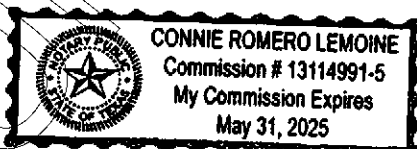
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COUNTY OF BELL

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This instrument was acknowledged before me on December ^{C.L.}9, 2021, by JOHNNY P. MARTINKA and DOLORES A. MARTINKA.



C. L.
Notary Public, State of Texas

AGREED TO BY GRANTEE:

CIELO GARDENS, LP

By its Managing General Partner:

**Four Seasons Land and Development,
LLC, a Texas limited liability company:**

By: 

Name: R. Shawn Breedlove

Title: Managing Member

ACKNOWLEDGMENT

STATE OF TEXAS

COUNTY OF

Travis

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This instrument was acknowledged before me on this the 13 day of December, 2021 by R. SHAWN BREEDLOVE, Managing Member of FOUR SEASONS LAND AND DEVELOPMENT, LLC, a Texas limited liability company, in its capacity as Managing General Partner of CIELO GARDENS, LP, a Texas limited partnership.



Notary Public, State of Texas

PREPARED IN THE OFFICE OF:

SECREST LAW FIRM
3600 Birdcreek Plaza
Temple, Texas 76502



EXHIBIT "A"

**FIELD NOTES TO ACCOMPANY MAP OF SURVEY
4.97 ACRES
JOHN W. WILBARGER SURVEY, A-664
WILLIAMSON COUNTY, TEXAS**

FIELD NOTE DESCRIPTION OF 4.97 ACRES OF LAND OUT OF THE JOHN W. WILBARGER SURVEY, ABSTRACT NO. 664, WILLIAMSON COUNTY, TEXAS, BEING A PORTION OF THAT CERTAIN TRACT CALLED 156.41 ACRES IN A DEED TO JOHNNY MARTINKA RECORDED IN VOLUME 704, PAGE 692 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS. THE SAID 4.97 ACRES OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

NOTE: All steel pins set cited herein are ½ inch diameter with cap marked Lenz & Assoc. Bearings cited herein are based on the Texas Coordinate System of 1983 (NAD83), Central Zone.

COMMENCING at a computed point on the south right-of-way line of FM 1105 at the northeast corner of that certain 2 acre tract described in a deed to Johnny P. Martinka and wife, Dolores A. Martinka recorded in Volume 889, Page 457 of the Deed Records of Williamson County, Texas, the same being the northwest corner of that certain 77 acre tract described in a deed to Albert J. Tschoerner and wife, Dorothy B. Tschoerner recorded in Volume 506, Page 45 of the Deed Records of Williamson County, Texas, the same being the southeast corner of that certain 3.340 acre tract described in a right-of-way deed to the State of Texas recorded in Volume 404, Page 314 of the Deed Records of Williamson County, Texas, from which a ½ inch diameter steel pin found bears N 13°50'22" W, 0.19 feet and a TxDOT Type I right-of-way monument found bears N 68°36'47" E, 996.82 feet;

THENCE, S 13°50'22" E, a distance of 302.62 feet along the east line of the said 2 acre Martinka tract, the same being the west line of the said 77 acre Tschoerner tract, to a steel pin set at the southeast corner of the said 2 acre Martinka tract, the same being an exterior corner of the said 156.41 acre Martinka tract;

THENCE, along and with the east line of the said 156.41 acre Martinka tract, the same being the west line of the said 77 acre Tschoerner tract then the west line of that certain 70.16 acre tract described in the said deed to Albert J. Tschoerner and wife, Dorothy B. Tschoerner, with the general location and remains of a wire fence, the following three (3) courses and distances:

- 1) S 13°50'22" E, at 219.86 feet passing a wood post found and continuing for a total distance of 375.64 feet to a wood post found;
- 2) S 13°53'36" E, 2632.22 feet to a steel pin set;
- 3) S 14°23'21" E, 161.00 feet to a ½ inch diameter steel pin found for the **PLACE OF BEGINNING** of the herein described tract;

THENCE, traversing the interior of the said 156.41 acre Martinka tract, the following three (3) courses and distances:

- 1) N 87°19'46" W, 656.18 feet to a ½ inch diameter steel pin found;
- 2) S 15°16'34" E, 400.78 feet to a ½ inch diameter steel pin found;

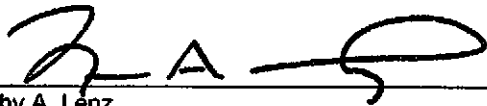
4.97 Ac.
Page 2 of 2

- 3) N 83°34'50" E, 625.41 feet to a steel pin set on the east line of the said 156.41 acre Martinka tract, the same being the west line of the said 70.16 acre Tschoerner tract, from which a steel pin set bears S 14°01'06" E, 730.78 feet;

THENCE, along the east line of the said 156.41 acre Martinka tract, the same being the west line of the said 70.16 acre Tschoerner tract, the following two (2) courses and distances:

- 1) N 14°01'06" W, 49.75 feet to a steel pin set;
- 2) N 14°03'29" W, 245.20 feet to the **PLACE OF BEGINNING**, containing 4.97 acres of land, more or less;

DECEMBER 2, 2021



Timothy A. Lenz
Lenz & Associates, Inc.
Firm Number 100290-00
4150 Freidrich Lane, Suite A-1
Austin, Texas 78744
(512) 443-1174

2021-0733 (4.97 ac).docx



RECORDERS MEMORANDUM
000052
All or parts of the text on this page was not
clearly legible for satisfactory recordation

EXHIBIT "B"**EXCEPTIONS TO CONVEYANCE AND WARRANTY:**

- a. Easement granted to the State of Texas as set out in Volume 404, Page 314, Deed Records, Williamson County, Texas.
- b. Easement granted to Bartlett Electric Cooperative, Inc., as set out in Volume 2109, Page 35, Deed Records, Williamson County, Texas.
- c. Easement granted to Bartlett Electric Cooperative, Inc. as set out in Document No. 9825189, Official Public Records, Williamson County, Texas.
- d. Easement granted to Bartlett Electric Cooperative, Inc. as set out in Document No. 2021016309, Official Public Records, Williamson County, Texas.
- e. Easement granted to Jarrell-Schwertner Water Supply Corporation as set out in Document No. 2021071946, Official Public Records, Williamson County, Texas.
- f. Property lies within Williamson County Emergency District No.5 which has taxing authority.
- g. All leases, grants, exceptions or reservations of coal, lignite, oil, gas and other minerals, together with all rights, privileges, and immunities relating thereto, appearing in the Public Records whether listed on Schedule B or not. There may be leases, grants, exceptions or reservations of mineral interest that are not listed.
- h. Any and all visible or apparent easements and rights of way over, under and across subject property.
- i. Any and all leases, recorded or unrecorded, with rights of tenants in possession.
- j. The land described herein shall not include any manufactured home. Any manufactured home on the land is excluded from the coverage of title insurance.
- k. Subject property does not have access to a dedicated roadway; rights of ingress and egress are not insured.
- l. Subject to overhead electric lines, above ground utility lines on cedar posts and a well, as shown on survey dated 12/02/2021, prepared by Timothy A. Lenz, RPLS #4393.
- m. Subject to fence(s) inside or outside property line(s) and any landowner claims in connection therewith.

**ELECTRONICALLY RECORDED
OFFICIAL PUBLIC RECORDS**

2021190320

Pages: 9 Fee: \$58.00

12/16/2021 09:21 AM

MBARRICK



Nancy E. Rister

Nancy E. Rister, County Clerk
Williamson County, Texas

Unofficial Document

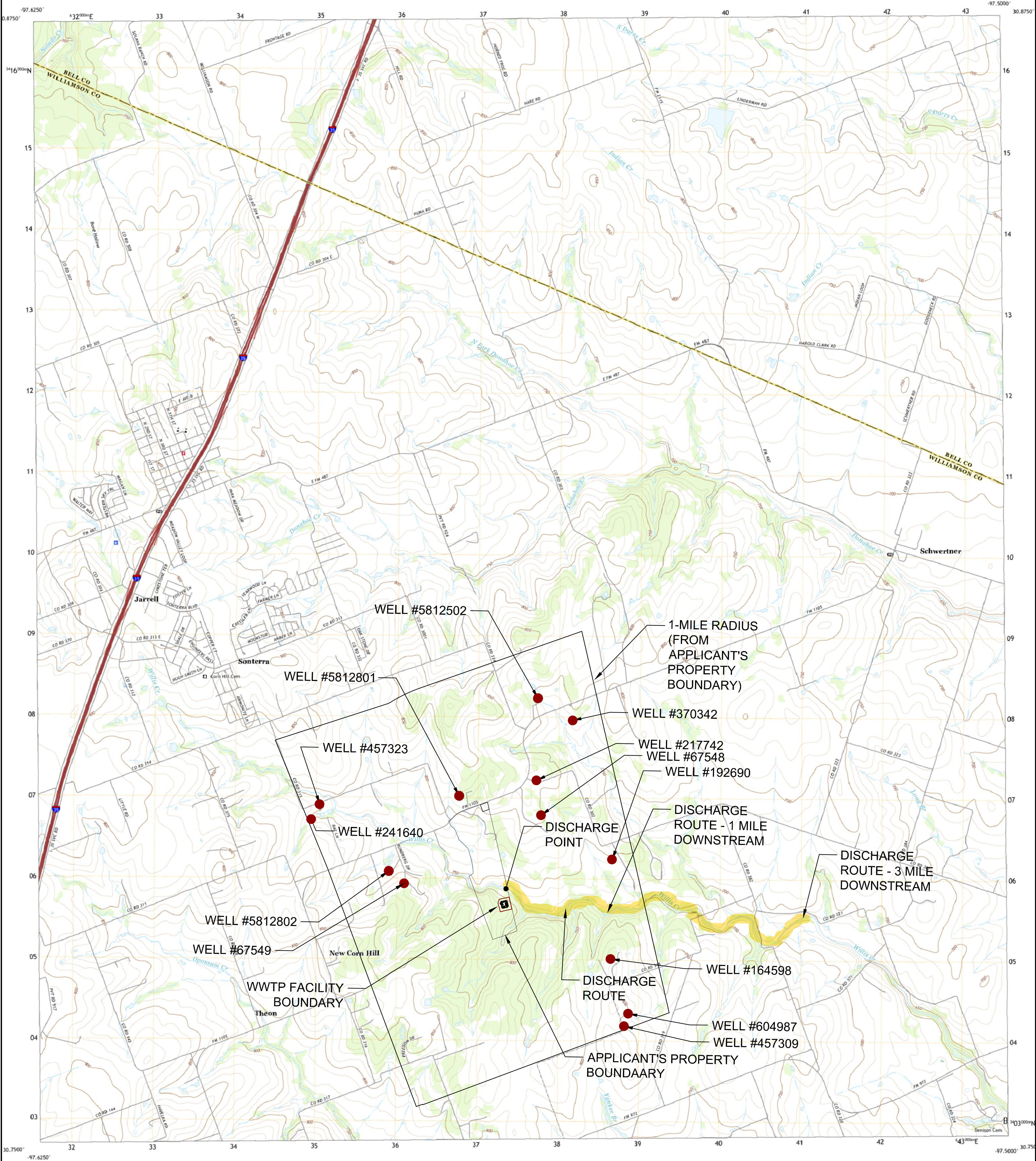
ATTACHMENT C
USGS MAPS



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

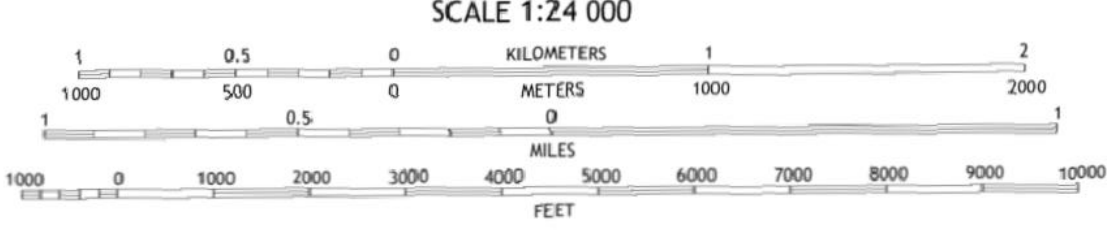
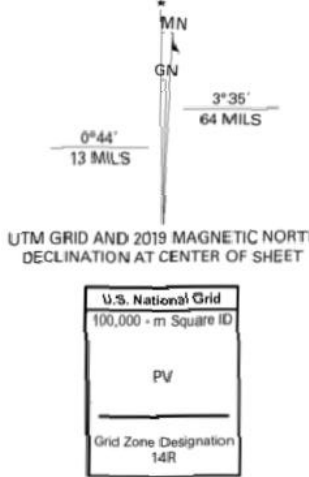


JARRELL QUADRANGLE
TEXAS
7.5-MINUTE SERIES



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North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84), Projection and
1 000-meter grid/Universal Transverse Mercator, Zone 14R
This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands within government
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entering private lands.

Imagery.....NAIP, August 2016 - November 2016
Roads.....U.S. Census Bureau, 2015 - 2018
Names.....USGS, 1979 - 2018
Hydrography.....National Hydrography Dataset, 2002 - 2018
Contours.....National Elevation Dataset, 2003 - 2012
Boundaries.....Multiple sources; see metadata file 2016 - 2017
Wetlands.....FWS National Wetlands Inventory 1981 - 1982



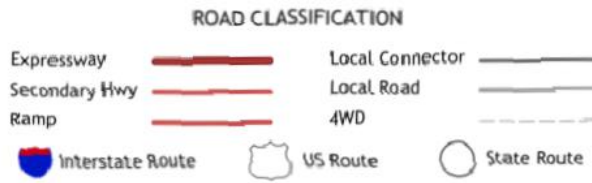
CONTOUR INTERVAL 10 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988
This map was produced to conform with the
National Geospatial Program US Topo Product Standard, 2011.
A metadata file associated with this product is draft version 0.6.18



1	2	3
4	5	6
7	8	9

ADJOINING QUADRANGLES

1 Youngsfort
2 Salado
3 Holland
4 Cobbs Cavern
5 Bartlett
6 Georgetown
7 West
8 Granger



JARRELL, TX
2019



**Green
Civil Design**

301 Denali Pass Dr., Suite 3
Cedar Park, Texas 78613
(512) 640-6590

Engineering & Consulting

Texas Registered Engineering Firm F-17563

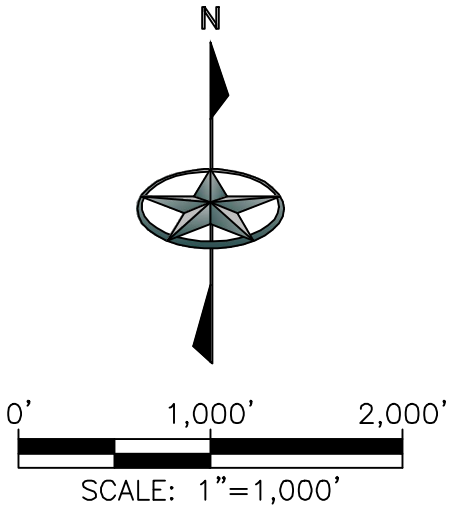
CIELO GARDENS L.P.
CIELO GARDENS TCEQ PERMIT

ATTACHMENT C - USGS MAP

ATTACHMENT D
AFFECTED LANDOWNERS LIST & MAP

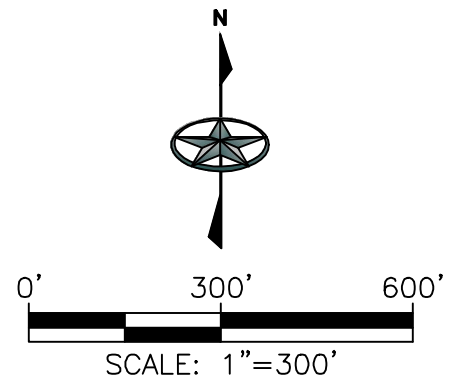
CIELO GARDENS L.P.
CIELO GARDENS WRF
Attachment D - Affected Landowners List

NUMBER	OWNER NAME	MAILING ADDRESS
1	AJ AND DOROTHY TSCHOERNER JR	10201 FM 1105 JARRELL TX 76537
2	JOHN E AND CELESTE E SCHWERTNER	PO BOX 522 JARELL TX 76537
3	ROY S AND JANE T BESSENT JR	PO BOX 162 WALBURG TX 78673
4	ROY S AND JANE T BESSENT JR	PO BOX 162 WALBURG TX 78673
5	MARLA P AND THE ESTATE OF VIRGIL J TONN	1000 COUNTY RD 316 GEORGETOWN TX 78626
6	MARLA P AND THE ESTATE OF VIRGIL J TONN	1000 COUNTY RD 316 GEORGETOWN TX 78626
7	MARLA P AND THE ESTATE OF VIRGIL J TONN	1000 COUNTY RD 316 GEORGETOWN TX 78626
8	JOHNNIE F AND ALICIA M NEMEC	177 WATT RD COOPERSTOWN NY 13326
9	JOHNNIE F AND ALICIA M NEMEC	177 WATT RD COOPERSTOWN NY 13326
10	JOHNNIE F AND ALICIA M NEMEC	177 WATT RD COOPERSTOWN NY 13326
11	AJ AND DOROTHY TSCHOERNER JR	10201 FM 1105 JARRELL TX 76537
12	AJ AND DOROTHY TSCHOERNER JR	10201 FM 1105 JARRELL TX 76537
13	JAMES G NEMEC	10551 FM 1105 JARRELL TX 78537
14	GARY W AND BRENDA W JONES	10771 FM 1105 JARRELL TX 76537
15	BILLY R AND AMBER E STONE	10770 FM 1105 JARRELL TX 76537



ATTACHMENT E
ORIGINAL PHOTOGRAPHS

FILE: ATTACHMENT E - PHOTO PLOT MAP.dwg TAB: 3 ATTACHMENT E - PHOTO PLOT MAP PLOTTED: 6/12/2023 10:54 AM BY: MIKE BEV



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ATTACHMENT E - PHOTO PLOT MAP

Photo #1 – Discharge Point, facing downstream (Southeast)



Photo #2 – Discharge Point, facing upstream (Northwest)



Photo #3 – WWTP, facing Southwest – Aeration, Chlorine Contact (or UV), and Tertiary Filters.



Photo #4 – WWTP, facing West – Aeration, and Clarifiers



Photo #5 – WWTP, facing Northwest – Headworks, and Sludge Holding

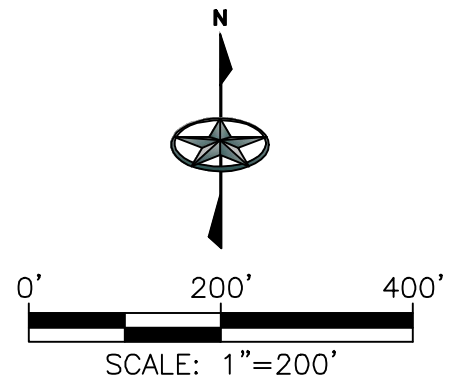
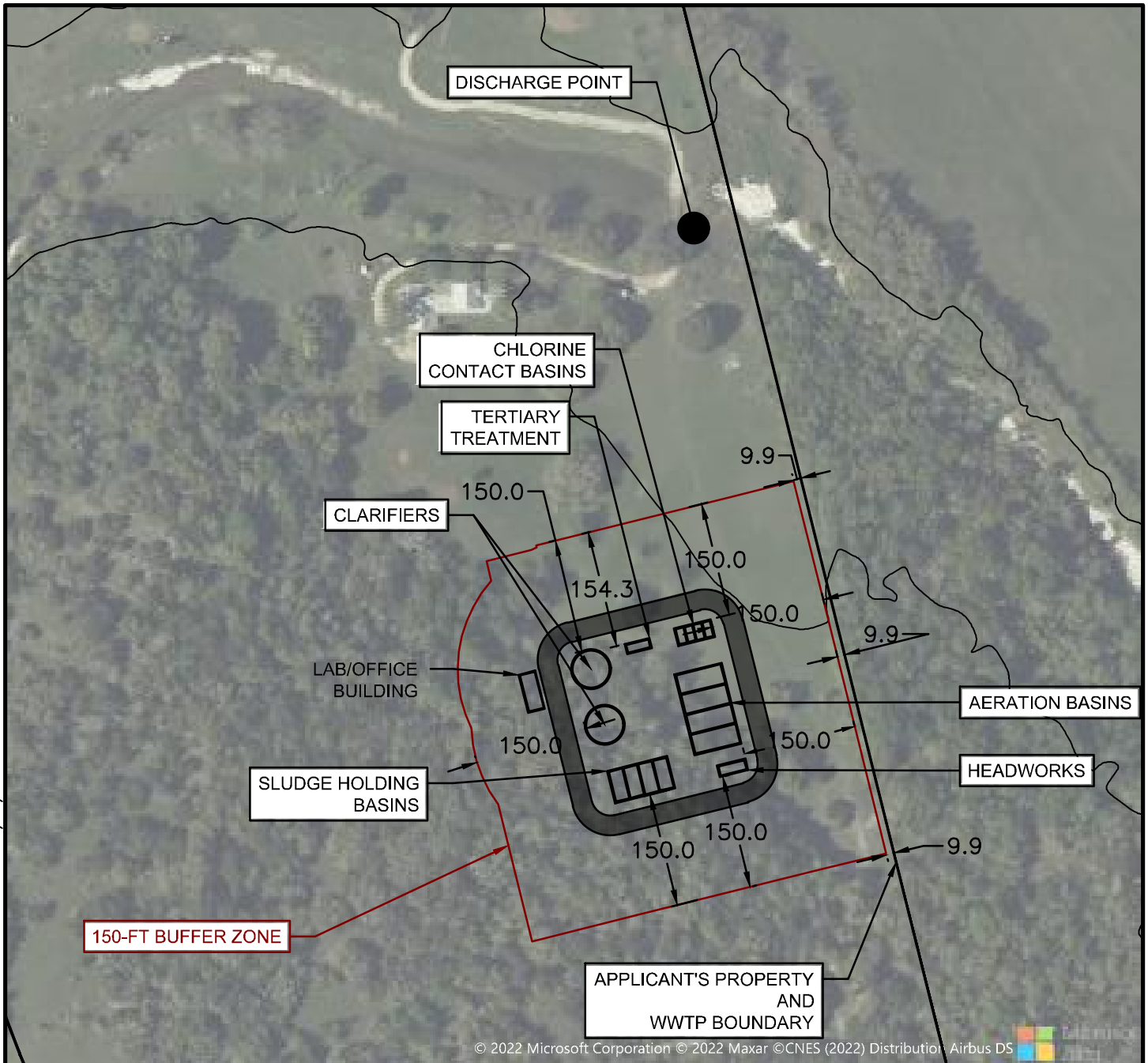


Photo #6 – WWTP, facing Southeast – Clarifiers, Tertiary Filters, Sludge Holding.



ATTACHMENT F
BUFFER ZONE MAP

FILE: ATTACHMENT F - BUFFER ZONE.dwg TAB: 4 ATTACHMENT F - BUFFER ZONE MAP PLOTTED: 6/12/2023 11:01 AM BY: MIKE BEV



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CIELO GARDENS TCEQ PERMIT**

ATTACHMENT F - BUFFER ZONE MAP

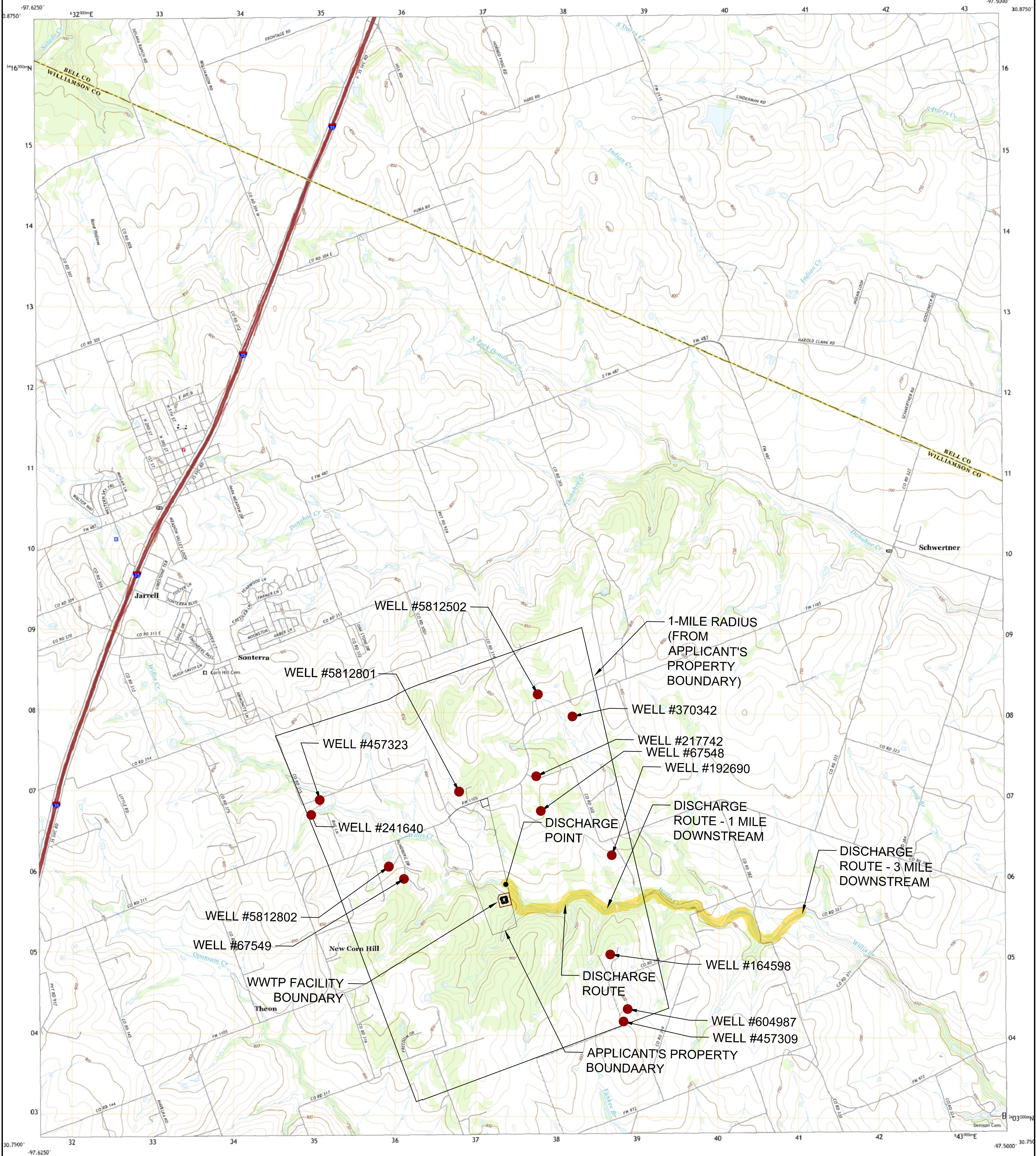
ATTACHMENT G
SPIF USGS MAPS



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



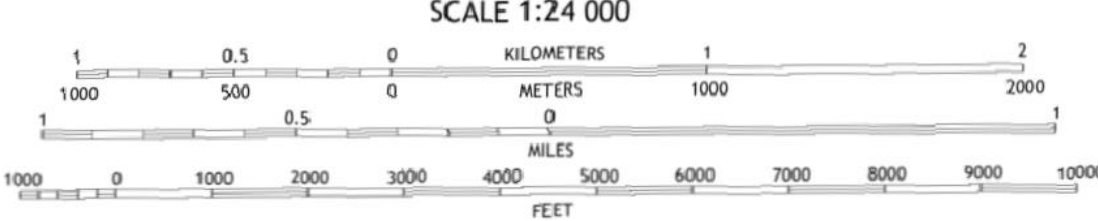
JARRELL QUADRANGLE
TEXAS
7.5-MINUTE SERIES



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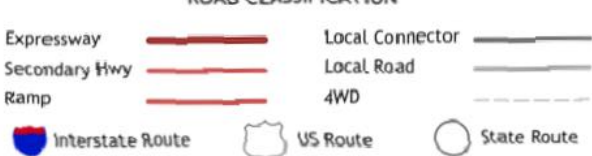
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ADJOINING QUADRANGLES

1 Youngport
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ATTACHMENT G - SPIF USGS MAP

ATTACHMENT H
PUBLIC INVOLVEMENT PLAN



Texas Commission on Environmental Quality

Public Involvement Plan Form for Permit and Registration Applications

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

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

Section 1. Preliminary Screening

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

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

Section 2. Secondary Screening

- ☐ Requires public notice,
☐ Considered to have significant public interest, **and**
☐ Located within any of the following geographical locations:
- Austin
 - San Antonio
 - Dallas
 - West Texas
 - Fort Worth
 - Texas Panhandle
 - Houston
 - Along the Texas/Mexico Border
 - Other geographical locations should be decided on a case-by-case basis

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

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

Section 3. Application Information

Type of Application (check all that apply):

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

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

Water Quality

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

Water Rights New Permit

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

Amendment to an Existing Water Right

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

Section 4. Plain Language Summary

Provide a brief description of planned activities.

Section 5. Community and Demographic Information

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

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

(City)

(County)

<p>(Census Tract)</p> <p>Please indicate which of these three is the level used for gathering the following information.</p> <p><input type="checkbox"/> City</p> <p><input type="checkbox"/> County</p> <p><input type="checkbox"/> Census Tract</p>
(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
<p>(a) Is this application subject to the public participation requirements of Title 30 Texas Administrative Code (30 TAC) Chapter 39?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>(b) If yes, do you intend at this time to provide public outreach other than what is required by rule?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes, please describe.</p>
<p>If you answered “yes” that this application is subject to 30 TAC Chapter 39, answering the remaining questions in Section 6 is not required.</p>
<p>(c) Will you provide notice of this application in alternative languages?</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>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.</p> <p>If yes, how will you provide notice in alternative languages?</p> <p><input type="checkbox"/> Publish in alternative language newspaper</p> <p><input type="checkbox"/> Posted on Commissioner’s Integrated Database Website</p>

<input type="checkbox"/> Mailed by TCEQ's Office of the Chief Clerk <input type="checkbox"/> Other (specify)
(d) Is there an opportunity for some type of public meeting, including after notice? <input type="checkbox"/> Yes <input type="checkbox"/> No
(e) If a public meeting is held, will a translator be provided if requested? <input type="checkbox"/> Yes <input type="checkbox"/> No
(f) Hard copies of the application will be available at the following (check all that apply): <input type="checkbox"/> TCEQ Regional Office <input type="checkbox"/> TCEQ Central Office <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> No
What types of notice will be provided? <input type="checkbox"/> Publish in alternative language newspaper <input type="checkbox"/> Posted on Commissioner's Integrated Database Website <input type="checkbox"/> Mailed by TCEQ's Office of the Chief Clerk <input type="checkbox"/> Other (specify)



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
DOMESTIC WASTEWATER PERMIT APPLICATION

DOMESTIC TECHNICAL REPORT 1.0

The Following Is Required For All Applications
Renewal, New, And Amendment

Section 1. Permitted or Proposed Flows (Instructions Page 51)

A. Existing/Interim I Phase

Design Flow (MGD): See Attachment I

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

B. Interim II Phase

Design Flow (MGD): See Attachment I

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

C. Final Phase

Design Flow (MGD): See Attachment I

2-Hr Peak Flow (MGD):

Estimated construction start date:

Estimated waste disposal start date:

D. Current operating phase: N/A – New Permit

Provide the startup date of the facility:

Section 2. Treatment Process (Instructions Page 51)

A. Treatment process description

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 in the permit, a description of *each phase* must be provided.** Process description:

See Attachment I

Port or pipe diameter at the discharge point, in inches: 18

B. Treatment Units

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

Table 1.0(1) – Treatment Units

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

C. Process flow diagrams

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

Attachment: J

Section 3. Site Drawing (Instructions Page 52)

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

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

Attachment: K

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

The Cielo Gardens Water Reclamation Facility will serve the Cielo Gardens development as well as surrounding tracts. The total service area is approximately 781-acres and will consists of approximately 3,600 LUEs of residential development. The service area is shown in Attachment K

Section 4. Unbuilt Phases (Instructions Page 52)

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.

Section 5. Closure Plans (Instructions Page 53)

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.

Section 6. Permit Specific Requirements (Instructions Page 53)

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:

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.

B. Buffer zones

Have the buffer zone requirements been met?

Yes ☒

No ☐

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

relevant to maintaining the buffer zones.

Buffer zone is met per deed. See attachment B.

C. Other actions required by the current permit

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

Yes ☐ No ☒

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

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.

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 512-239-0000. 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.

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 512-239-0000.

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

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 or TXRNE

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:

<div></div>

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.

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.

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.

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, a Sewage Sludge Solids Management Plan is required. See Example 5 in the instructions.

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

1. Acceptance of sludge from other WWTPs

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

Yes ☐ No ☒

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

In addition, provide the date that the plant started accepting sludge 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.

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 a the date that the plant started accepting septic waste, 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.

--

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 the facility accepting or will it 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.

<div style="background-color: #cccccc; height: 20px; width: 100%;"></div>

Section 7. Pollutant Analysis of Treated Effluent (Instructions Page 58)

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).

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

Table 1.0(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)					

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
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

Table 1.0(3) - Pollutant Analysis for Water Treatment Facilities

Pollutant	Average Conc.	Max Conc.	No. of Samples	Sample Type	Sample Date/Time
Total Suspended Solids, mg/l					
Total Dissolved Solids, mg/l					
pH, standard units					
Fluoride, mg/l					
Aluminum, mg/l					
Alkalinity (CaCO ₃), mg/l					

Section 8. Facility Operator (Instructions Page 60)

Facility Operator Name: Crossroads Utility Services

Facility Operator's License Classification and Level: Operations Company

Facility Operator's License Number: OC0000182

Section 9. Sewage Sludge Management and Disposal (Instructions Page 60)

A. Sludge disposal method

Identify the current or anticipated sludge disposal method or methods from the

following list. Check all that apply.

- ☒ Permitted landfill
- ☒ Permitted or Registered land application site for beneficial use
- ☐ Land application for beneficial use authorized in the wastewater permit
- ☒ Permitted sludge processing facility
- ☐ Marketing and distribution as authorized in the wastewater permit
- ☐ Composting as authorized in the wastewater permit
- ☐ Permitted surface disposal site (sludge monofill)
- ☐ Surface disposal site (sludge monofill) authorized in the wastewater permit
- ☐ Transported to another permitted wastewater treatment plant or permitted sludge processing facility. If you selected this method, a written statement or contractual agreement from the wastewater treatment plant or permitted sludge processing facility accepting the sludge must be included with this application.
- ☐ Other:

B. Sludge disposal site

Disposal site name: Walker Aero Environmental

TCEQ permit or registration number: 2310

County where disposal site is located: Travis

C. Sludge transportation method

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

Name of the hauler: Sheridan environmental LLC

Hauler registration number: 24220

Sludge is transported as a:

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

Section 10. Permit Authorization for Sewage Sludge Disposal (Instructions Page 60)

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 Yes ☐ No ☒

Marketing and Distribution of sludge Yes ☐ No ☒

Sludge Surface Disposal or Sludge Monofill Yes ☐ No ☒

Temporary storage in sludge lagoons Yes ☐ No ☒

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

Yes ☐ No ☐

Section 11. Sewage Sludge Lagoons (Instructions Page 61)

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:

- USDA Natural Resources Conservation Service Soil Map:

Attachment:

- Federal Emergency Management Map:

Attachment:

- Site map:

Attachment:

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:

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:

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:

Total Kjeldahl Nitrogen, mg/kg:

Total Nitrogen (=nitrate nitrogen + TKN), mg/kg:

Phosphorus, mg/kg:

Potassium, mg/kg:

pH, standard units:

Ammonia Nitrogen mg/kg:

Arsenic:

Cadmium:

Chromium:

Copper:

Lead:

Mercury:

Molybdenum:

Nickel:

Selenium:

Zinc:

Total PCBs:

Provide the following information:

Volume and frequency of sludge to the lagoon(s):

Total dry tons stored in the lagoons(s) per 365-day period:

Total dry tons stored in the lagoons(s) over the life of the unit:

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.

D. Site development plan

Provide a detailed description of the methods used to deposit sludge in the

lagoon(s):

Attach the following documents to the application.

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

Attachment: [\[Click here to attach file\]](#)

- Copy of the closure plan

Attachment: [\[Click here to attach file\]](#)

- Copy of deed recordation for the site

Attachment: [\[Click here to attach file\]](#)

- Size of the sludge lagoon(s) in surface acres and capacity in cubic feet and gallons

Attachment: [\[Click here to attach file\]](#)

- Description of the method of controlling infiltration of groundwater and surface water from entering the site

Attachment: [\[Click here to attach file\]](#)

- Procedures to prevent the occurrence of nuisance conditions

Attachment: [\[Click here to attach file\]](#)

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: [\[Click here to attach file\]](#)

Section 12. Authorizations/Compliance/Enforcement

(Instructions Page 63)

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:

--

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:

--

Section 13. RCRA/CERCLA Wastes (Instructions Page 63)

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 here 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: SHAWN BREEDLOVE

Title: PRESIDENT, FOUR SEASONS LAND AND DEVELOPMENT, LLC
GENERAL PARTNER, CIELLO GARDENS LP

Signature: 

Date: 6.7.23

DOMESTIC TECHNICAL REPORT 1.1

The following is required for new and amendment applications

Section 1. Justification for Permit (Instructions Page 66)

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 proposed facility is required to serve the proposed development.
There are no existing operating facilities within 3-miles and the facility and service area are not located within an existing wastewater CCN.

B. Regionalization of facilities

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:

If yes, attach correspondence from the city.

Attachment:

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:

2. Utility CCN areas

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

Yes ☐

No ☒

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:

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 that includes the permittee's name and permit number, and an area map showing the location of these facilities.

Attachment:

If yes, attach copies of your certified letters to these facilities **and** their response letters concerning connection with their system.

Attachment:

Does a permitted domestic wastewater treatment facility or a collection system located within three (3) miles of the proposed facility currently have the capacity to accept or is willing to expand to accept the volume of wastewater proposed in this application?

Yes ☐

No ☐

If yes, attach an analysis of expenditures required to connect to a permitted wastewater treatment facility or collection system located within 3 miles versus the cost of the proposed facility or expansion.

Attachment:

Section 2. Organic Loading (Instructions Page 67)

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):

Average Influent Organic Strength or BOD₅ Concentration in mg/l:

Average Influent Loading (lbs/day = total average flow X average BOD₅ conc. X 8.34):

Provide the source of the average organic strength or BOD₅ concentration.

<input type="text"/>

B. Proposed organic loading

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

Table 1.1(1) - Design Organic Loading

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
Municipality	0.725	300
Subdivision		
Trailer park - transient		
Mobile home park		
School with cafeteria and showers		
School with cafeteria,		

Source	Total Average Flow (MGD)	Influent BOD ₅ Concentration (mg/l)
no showers		
Recreational park, overnight use		
Recreational park, day use		
Office building or factory	0.175	300
Motel		
Restaurant		
Hospital		
Nursing home		
Other		
TOTAL FLOW from all sources	0.90	
AVERAGE BOD ₅ from all sources		300

Section 3. Proposed Effluent Quality and Disinfection (Instructions Page 68)

A. Existing/Interim I Phase Design Effluent Quality

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

Total Suspended Solids, mg/l:

Ammonia Nitrogen, mg/l:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l:

Other:

B. Interim II Phase Design Effluent Quality

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

Total Suspended Solids, mg/l:

Ammonia Nitrogen, mg/l:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l:

Other:

C. Final Phase Design Effluent Quality

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

Total Suspended Solids, mg/l:

Ammonia Nitrogen, mg/l:

Total Phosphorus, mg/l:

Dissolved Oxygen, mg/l:

Other:

D. Disinfection Method

Identify the proposed method of disinfection.

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

Dechlorination process: Chemical Injection

☒ Ultraviolet Light: 9 to 60 seconds contact time at peak flow

☐ Other:

Section 4. Design Calculations (Instructions Page 68)

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

Attachment: L

Section 5. Facility Site (Instructions Page 68)

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.

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

FEMA FIRM Map – See Attachment M

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

Yes ☐ No ☒

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

Yes ☐ No ☐

If yes, provide the permit number:

If no, provide the approximate date you anticipate submitting your application to the Corps:

B. Wind rose

Attach a wind rose. **Attachment:** N

Section 6. Permit Authorization for Sewage Sludge Disposal (Instructions Page 69)

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)

Attachment:

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 a completed DOMESTIC WASTEWATER PERMIT APPLICATION: SEWAGE SLUDGE TECHNICAL REPORT (TCEQ Form No. 10056).

Attachment:

Section 7. Sewage Sludge Solids Management Plan (Instructions Page 69)

Attach a solids management plan to the application.

Attachment: Q

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 TECHNICAL REPORT WORKSHEET 2.0

RECEIVING WATERS

The following is required for all TPDES permit applications

Section 1. Domestic Drinking Water Supply (Instructions Page 73)

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 yes, provide the following:

Owner of the drinking water supply:

Distance and direction to the intake:

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

Attachment:

Section 2. Discharge into Tidally Affected Waters (Instructions Page 73)

Does the facility discharge into tidally affected waters?

Yes ☐ No ☒

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:

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).

<input type="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).

Section 3. Classified Segments (Instructions Page 73)

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 75)

Name of the immediate receiving waters: Willis Creek

A. Receiving water type

Identify the appropriate description of the receiving waters.

☐ Stream

☐ Freshwater Swamp or Marsh

☐ Lake or Pond

Surface area, in acres:

Average depth of the entire water body, in feet:

Average depth of water body within a 500-foot radius of discharge point, in feet:

☐ Man-made Channel or Ditch

- ☐ Open Bay
- ☐ Tidal Stream, Bayou, or Marsh
- ☒ Other, specify: Intermittent Creek

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:

C. Downstream perennial confluences

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

N/A - No perennial streams join receiving waters within 3-miles downstream

D. Downstream characteristics

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

Yes ☐ No ☒

If yes, discuss how.

Click here to enter text.

E. Normal dry weather characteristics

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

Water body at the discharge point was dry with no flowing water.

Date and time of observation: 10/14/2022 @ 12:00pm

Was the water body influenced by stormwater runoff during observations?

Yes ☐ No ☒

Section 5. General Characteristics of the Waterbody (Instructions Page 74)

A. Upstream influences

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

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

B. Waterbody uses

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

- | | |
|--|---|
| <input checked="" type="checkbox"/> Livestock watering | <input type="checkbox"/> Contact recreation |
| <input type="checkbox"/> Irrigation withdrawal | <input type="checkbox"/> Non-contact recreation |
| <input type="checkbox"/> Fishing | <input type="checkbox"/> Navigation |

☐ Domestic water supply

☐ Industrial water supply

☐ Park activities

☐ Other(s), specify

[Click here 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 I
TREATMENT PROCESS DESCRIPTION AND TREATMENT UNIT SIZING

**ATTACHMENT I – PERMIT PHASING, EFFLUENT PARAMETERS, PROCESS
DESCRIPTION & UNIT SIZING**

PROPOSED PERMIT PHASING

	Interim I Phase	Interim II Phase	Interim III Phase	Final Phase
Design Flow (MGD):	0.15	0.300	0.60	0.90
2-Hr Peak Flow (MGD):	0.60	1.2	2.4	3.6
Estimated Construction Start Date:	06/2024	06/2027	06/2030	01/2034
Estimated Waste Disposal Start Date:	06/2025	06/2028	06/2031	01/2035

PROPOSED EFFLUENT QUALITY PARAMETERS

	Interim I Phase	Interim II Phase	Interim III Phase	Final Phase
Biochemical Oxygen Demand (mg/L):	5	5	5	5
Total Suspended Solids (mg/L):	5	5	5	5
Ammonia Nitrogen (mg/L):	2	2	2	2
Dissolved Oxygen (mg/L):	4	4	4	4
Total Phosphorus (mg/L):	1	1	1	1

PROPOSED TREATMENT UNIT SIZING SUMMARY

Treatment Basin	No. of Basins Interim I Phase	No. of Basins Interim II Phase	No. of Basins Interim III Phase	No. of Basins Final Phase	Dimensions (all phases)	Anticipated SWD (ft)
Headworks	1	1	1	1	35' x 12'	5'
Aeration	1	2	3	4	60' x 25'	12.0'
Sludge Holding	1	2	3	4	40' x 18'	11.75'
Clarifier	1	1	2	2	48' Diameter	11.50'
Chlorine Contact or UV	1	2	3	4	20' x 10'	9'
Effluent Filter	1	1	2	2	10' x 15'	9.5'

Treatment Process – Interim I Phase

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

Activated Sludge Process: Bar-Screen (Headworks) ➡ Aeration Basin ➡
Clarifier* ➡ Effluent Filters* ➡ Chlorine Contact or UV Disinfection ➡
Discharge Point

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

Treatment Process – Interim II Phase

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

Activated Sludge Process: Bar-Screen (Headworks) ➡ Aeration Basin ➡
Clarifier* ➡ Effluent Filters* ➡ Chlorine Contact or UV Disinfection ➡
Discharge Point

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

Treatment Process – Interim III Phase

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

Activated Sludge Process: Bar-Screen (Headworks) ➡ Aeration Basin ➡
Clarifier* ➡ Effluent Filters* ➡ Chlorine Contact or UV Disinfection ➡
Discharge Point

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

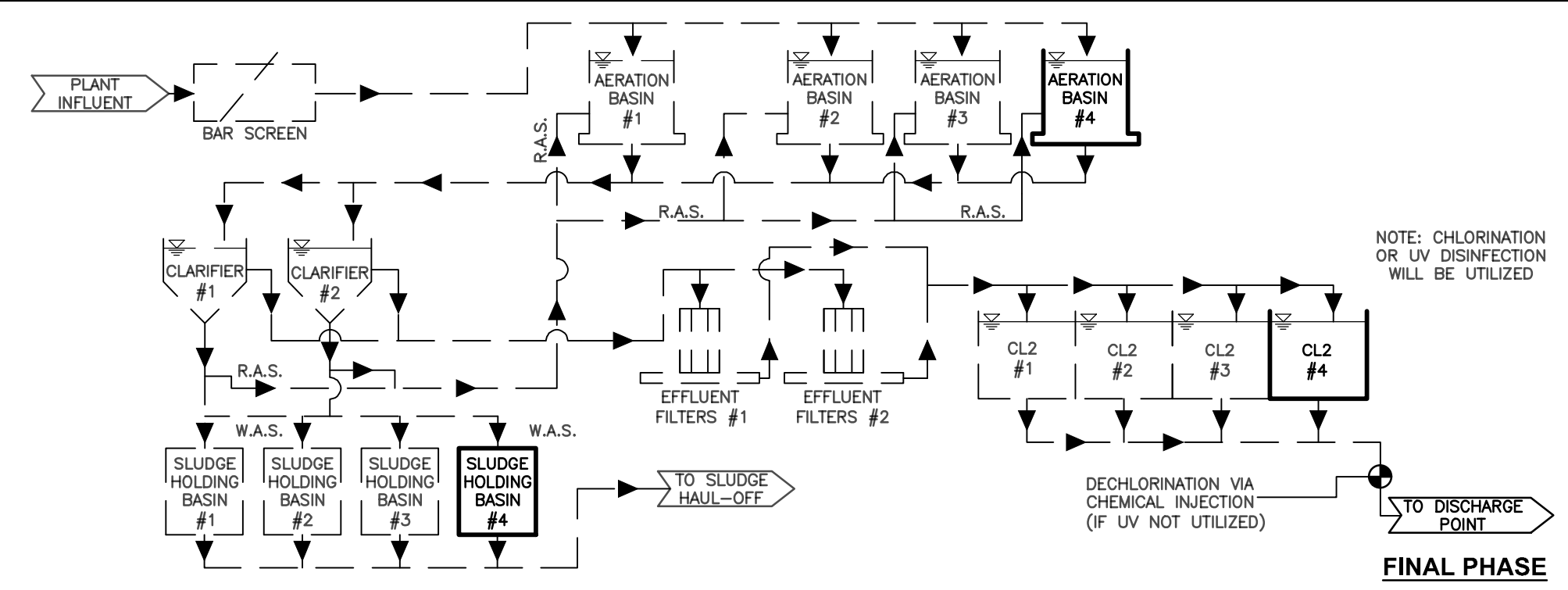
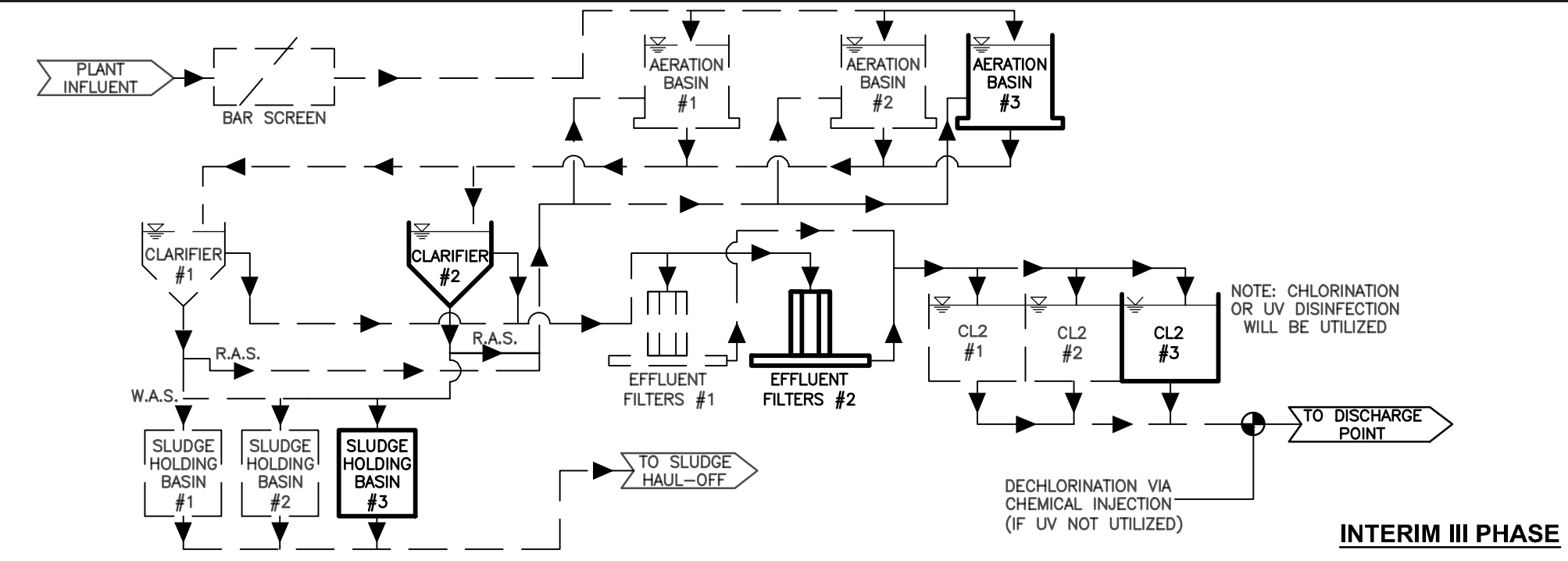
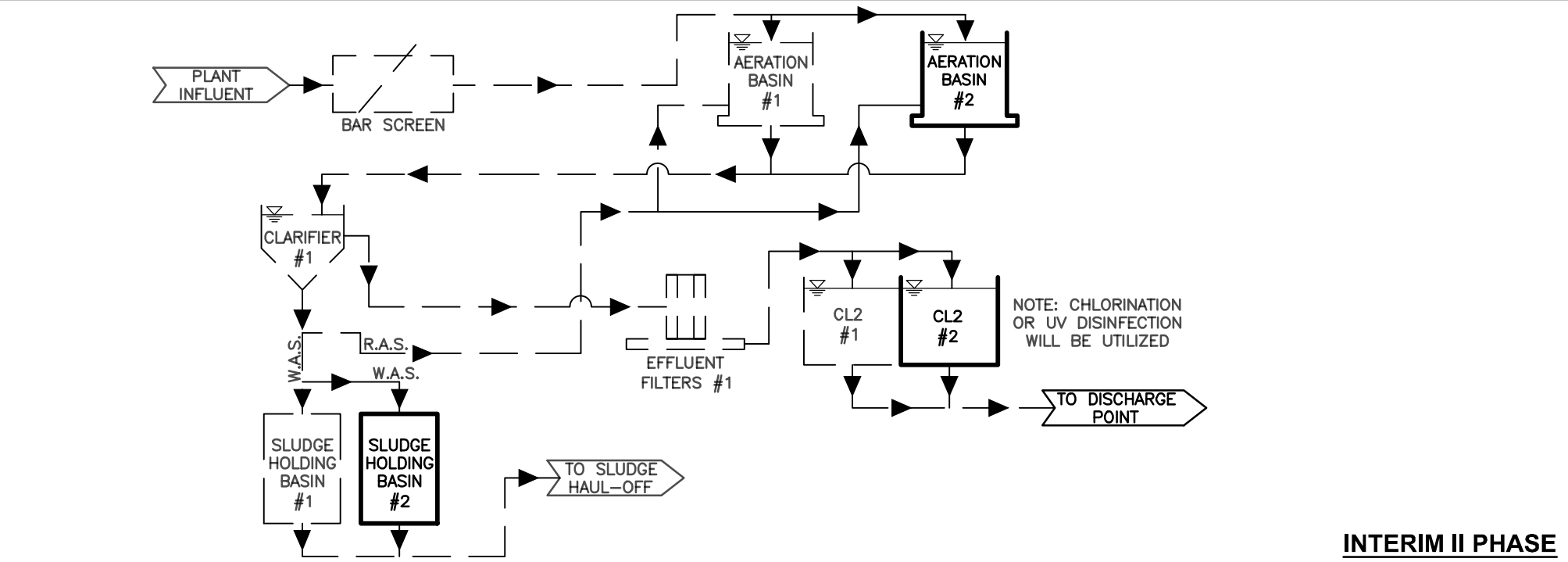
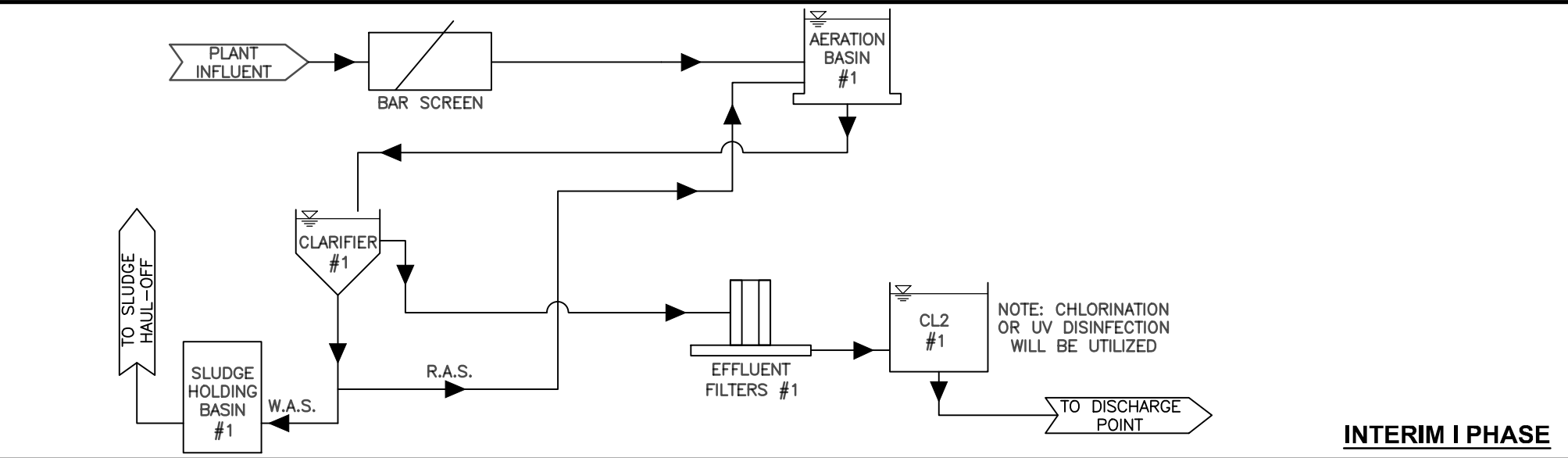
Treatment Process – Final Phase

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

Activated Sludge Process: Bar-Screen (Headworks) ➡ Aeration Basin ➡
Clarifier* ➡ Effluent Filters* ➡ Chlorine Contact or UV Disinfection ➡
Discharge Point

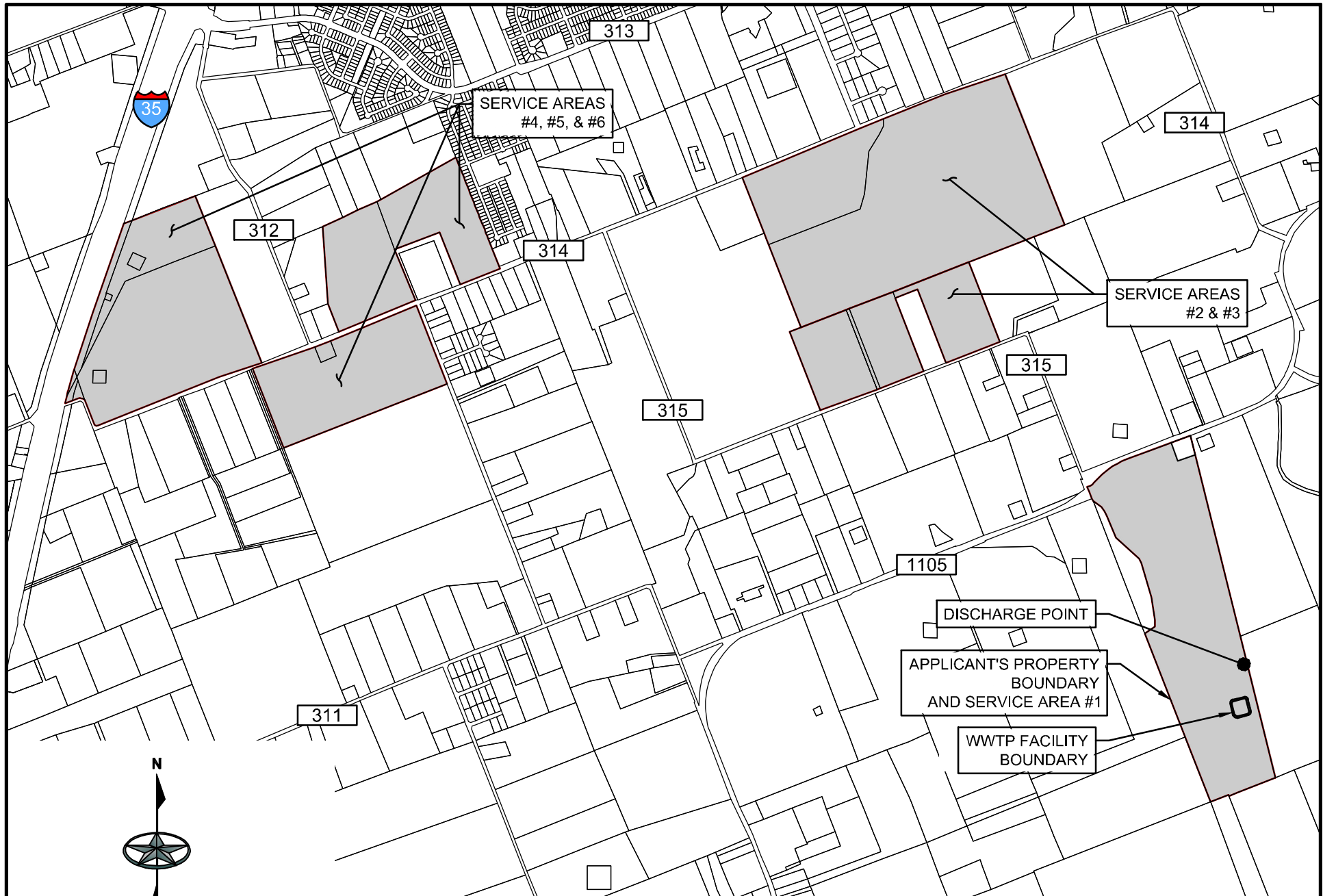
Sludge Process: Clarifier* ➡ Sludge Holding Basin (or RAS) ➡ TCEQ
Permitted Land Application Site/Landfill

ATTACHMENT J
FLOW DIAGRAM



ATTACHMENT K
SITE DRAWING

FILE: ATTACHMENT K - SITE DRAWING.dwg TAB: ATTACHMENT K - SITE DRAWING PLOTTED: 6/12/2023 11:33 AM BY: MIKE BEV



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CIELO GARDENS L.P. CIELO GARDENS TCEQ PERMIT

ATTACHMENT K - SITE DRAWING 106113

ATTACHMENT L
DESIGN CALCULATIONS

CEILO GARDENS L.P. ATTACHMENT L - DESIGN CALCULATIONS SUMMARY

PARAMETERS

Anticipated Influent Flows:

Average Daily Flow: 250 gpd/connection

Treatment Description:

Conventional activated sludge process mode to treat municipal wastewater.

System to include aeration, clarifier, tertiary filtration, chlorine contact or UV, and sludge holding.

Design WWTP Influent Flows:

	Interim I	Interim II	Interim III	Final
Average Daily (gpd):	150,000	300,000	600,000	900,000
Peak Daily (2-Hr Peak) (gpd):	600,000	1,200,000	2,400,000	3,600,000

Design Influent Loading:

BOD ₅ (mg/l)=	300	300	300	300
TSS (mg/l)=	300	300	300	300
NH ₃ N (mg/l)=	35	35	35	35
Total Nitrogen (mg/l)=	70	70	70	70
Total Phosphorus (mg/l)=	10	10	10	10

Design Effluent Water Quality Parameters:

BOD ₅ (mg/l)=	5	5	5	5
TSS (mg/l)=	5	5	5	5
NH ₃ N (mg/l)=	2	2	2	2
Chlorine Residual (after 20 minutes) (mg/l)=	1	1	1	1
Dissolved Oxygen (mg/l)	2	2	2	2
Total Phosphorus (mg/l)	1	1	1	1

CEILO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
SUMMARY

PROPOSED FACILITIES

	Interim I	Interim II	Interim III	Final
Process:				
Total Plant BOD5 Loading (lbs/day):	369.0	738.1	1476.2	2214.3
TSS Loading (lbs/day):	369.0	738.1	1476.2	2214.3
MLSS (mg/l):	3,000	3,000	3,000	3,000
Hydraulic Retention Time (days):	0.90	0.90	0.67	0.60
Aerobic Sludge Residence Time (days):	10.14	10.14	7.61	6.76
Food to Mass Ratio:	0.111	0.111	0.149	0.167
Sludge Yield (lbs/day):	332	664	1,329	1,993
Sludge Yield (gpd): (1.5%)	2,655	5,310	10,620	15,930
Aeration Basin:				
Max Organic Loading (lbs/day/1,000 cf):	35	35	35	35
Proposed Organic Loading (lbs/day/1,000 cf):	20.50	20.50	27.34	30.75
Minimum Required Volume for BOD (cf):	10,544	21,088	42,177	63,265
Minimum Required Volume for Nitrification (cf):	10,661	21,322	42,644	63,966
Proposed Volume (cf):	18,000	36,000	54,000	72,000
	Interim I	Interim II	Interim III	Final
Clarifier:				
Max Surface Loading at PDF (gpd/sf):	1,200	1,200	1,200	1,200
Proposed Surface Loading at PDF (gpd/sf):	341	682	682	1,023
Max Surface Loading at ADF (gpd/sf):	600	600	600	600
Proposed Surface Loading at ADF (gpd/sf):	85	171	171	256
Min Detention Time at PDF (hrs):	1.8	1.8	1.8	1.8
Proposed Detention Time at PDF (hrs):	6.05	3.03	3.03	2.02
Minimum Required Surface Area (sf):	500	1,000	2,000	3,000
Proposed Surface Area (sf):	1,759	1,759	3,519	3,519
Minimum Required Volume (cf):	6,016	12,031	24,063	36,094
Minimum Required Weir Length (ft):	30	60	120	180
Proposed Weir Length (ft):	125	125	250	250
Proposed Volume (cf):	20,232	20,232	40,464	40,464
Stilling Well Diameter (ft)	8	8	8	8
Stilling Well Velocity at PDF (ft/s)	0.018	0.037	0.074	0.111
Chlorine Contact Basin:				
Min Detention Time at PDF (min):	20	20	20	20
Detention Time Provided at PDF (min):	32.32	32.32	24.24	21.54
Minimum Required Volume (cf):	1,114.0	2,228.0	4,456.0	6,684.0
Proposed Volume (cf):	1,800.0	3,600.0	5,400.0	7,200.0
Sludge Holding Basin:				
Minimum Required Volume (cf):	5,324	10,648	21,295	31,943
Proposed Volume (cf):	8,460	16,920	25,380	33,840
Proposed Detention Time (days):	24	24	18	16
Air Supply:				
Min Air Supply - Aeration (scfm):	820	1,640	3,280	4,921
Min Air Supply - Digester (scfm):	160	319	639	958
Min Air Supply - Air Lift Pumps (scfm):	105	210	385	560
Min Total Air Supply (scfm):	1,085	2,170	4,304	6,439

CEILO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
SIZING

AERATION BASIN

	Interim I	Interim II	Interim III	Final
Minimum Volume Required:	10,661 cf	21,322 cf	42,644 cf	63,966 cf
No. of Basins:	1	2	3	4
Proposed SWD:	12 ft	12 ft	12 ft	12 ft
Length (Ea. Basin):	60 ft	60 ft	60 ft	60 ft
Width (Ea. Basin):	25 ft	25 ft	25 ft	25 ft
Proposed Volume:	18,000 cf	36,000 cf	54,000 cf	72,000 cf

SLUDGE HOLDING

	Interim I	Interim II	Interim III	Final
Minimum Volume Required:	5,324 cf	10,648 cf	21,295 cf	31,943 cf
No. of Basins:	1	2	3	4
Proposed SWD:	11.75 ft	11.75 ft	11.75 ft	11.75 ft
Length (Ea. Basin):	40 ft	40 ft	40 ft	40 ft
Width (Ea. Basin):	18 ft	18 ft	18 ft	18 ft
Proposed Volume:	8,460 cf	16,920 cf	25,380 cf	33,840 cf

CLARIFIER

	Interim I	Interim II	Interim III	Final
Minimum Surface Area Required:	500 sf	1,000 sf	2,000 sf	3,000 sf
Minimum Volume Required:	6,016 cf	12,031 cf	24,063 cf	36,094 cf
Minimum Weir Length Required:	30 ft	60 ft	120 ft	180 ft
No. of Clarifiers:	1	1	2	2
Proposed SWD:	11.5 ft	11.5 ft	11.5 ft	11.5 ft
Proposed Diameter:	48	48	48	48
Proposed Stilling Well Diameter:	8 ft	8 ft	8 ft	8 ft
Proposed Weir Length:	125 ft	125 ft	250 ft	250 ft
Proposed Area:	1,759 sf	1,759 sf	3,519 sf	3,519 sf
Proposed Volume:	20,232 cf	20,232 cf	40,464 cf	40,464 cf

CHLORINE CONTACT

	Interim I	Interim II	Interim III	Final
Minimum Volume Required:	1114.01 cf	2228.02 cf	4456.03 cf	6684.05 cf
No. of Basins	1	2	3	4
Proposed SWD:	9 ft	9 ft	9 ft	9 ft
Width (Ea. Basin):	20 ft	20 ft	20 ft	20 ft
Length (Ea. Basin):	10 ft	10 ft	10 ft	10 ft
Total Volume:	1,800.00 cf	3,600.00 cf	5,400.00 cf	7,200.00 cf
Proposed Volume:	1,800.00 cf	3,600.00 cf	5,400.00 cf	7,200.00 cf

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
INTERIM I PHASE

PARAMETERS

<i>Influent:</i>			<i>Effluent:</i>		
Q =	150,000	GPD	S =	5	mg/l, BOD _{Seff}
Q _{p1} =	600,000	GPD to Headworks	TSS _{eff} =	5	mg/l
Q _{p2} =	600,000	GPD downstream of Infl EQ (N/A)	NH ₃ N =	2	mg/l
S _o =	300	mg/l, BOD ₅ infl	Chlorine Residual =	1	mg/l @ 20 min det
TSS _{inf} =	300	mg/l	Total Phosphorus =	1	mg/l
Chemical Oxygen Demand (COD) =	545	mg/l	.3-.8 (BOD/COD), used 0.55		
TKN =	70	mg/l			
NH ₃ N =	35	mg/l			
Organic N _{14°C} =	35	mg/l			
Winter Temp. Min. =	15	°C			
Summer Temp. Max. =	29	°C			
MLSS =	3,000	mg/l, conc. Of suspended solids in aeration tank			
MLVSS =	70	% of MLSS			
MLVSS (X) =	2100	mg/l, conc. Of volatile suspended solids in aeration tank			

COEFFICIENTS

θ _c =	30	days, mean cell residence time
Y =	0.4	maximum yield coefficient, range: 0.3 - 0.5 (Metcalf & Eddy Table 8-10)
Y _n =	0.12	g VSS / g NH ₄ -N, range: 0.1 - 0.15 (Metcalf & Eddy Table 8-11)
K _o =	0.5	g / m ³ , range: 0.40 - 0.60 (Metcalf & Eddy Table 8-11)
k _d =	0.12	day ⁻¹ , endogenous decay coefficient, range: 0.06 - 0.2 (Metcalf & Eddy Table 8-10)
k _d =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-10)
K _{d, 14°C} =	0.099	g/g*d
K _{dn} =	0.080	g VSS / g VSS*d, range: 0.05 - 0.15 (Metcalf & Eddy Table 8-10)
K _{dn} =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-11)
K _{dn, 14°C} =	0.066	g/g*d
K _n =	0.740	g NH ₄ -N / m ³ , range: 0.5 - 1.0 (Metcalf & Eddy Table 8-11)
K _n =	1.053	unitless, range: 1.03 - 1.123 (Metcalf & Eddy Table 8-11)
K _{n, 14°C} =	0.572	g / m ³
μ _{mn} =	0.750	g VSS / g VSS*d, range: 0.20 - 0.90 (Metcalf & Eddy Table 8-11)
μ _n =	1.070	unitless, range: 1.06 - 1.123 (Metcalf & Eddy Table 8-11)
μ _{m, 14°C} =	0.535	g / g*d
f _d =	0.150	unitless, range: 0.08 - 0.2 (Metcalf & Eddy Table 8-10)

DESIGN CALCULATIONS

A. BOD₅ Loading

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

F = **369.0** lb BOD₅ /day

B. TSS Loading

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

TSS = **369.0** lb TSS /day

C. Micro-organism Mass in Aeration Basin

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

Mv = **963** lb

D. Aeration Volume

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

Min Volume (gal): 54,968.94
Min Volume (cf): 7,348

TCEQ Max. Organic Loading: 35 lbs BOD₅/day/1000 cf (TCEQ Chap. 217.154: Conventional with Nitrification, Temps 715°C)

Min Volume (cf): 10,544

Min Volume (cf): 10,544 For BOD Reduction

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
INTERIM I PHASE

E. Nitrification

pH:	7.2	
DO (mg/L):	2.0	Dissolved Oxygen
Ko:	0.5	Half-Saturation coefficient for DO (Metcalf & Eddy Table 8-11)
Temp (°C):	15.0	
Effluent NH3 (mg/L):	2.0	
Temperature Term, Tt:	1.00	$Tt = e^{(0.098 \cdot (T - 15))}$
DO Term, DOt:	0.80	$DOt = DO / (Ko + DO)$
pH Term, pHt:	1.00	$pHt = 1 - 0.833 \cdot (7.2 - pH)$
Kn:	0.40	Half-Saturation coefficient for oxidation of ammonia
NH3 Term, NH3t:	0.83	$Kn = 10^{(0.051 \cdot T - 1.158)}$
Nitrifier Growth Rate (days ⁻¹):	0.33	$NH3t = NH3 / (Kn + NH3)$
Aerobic SRT Required (days):	3.01	$Growth\ Rate = 0.5 \cdot Tt \cdot pHt \cdot DOt \cdot NH3t$
		$SRT = 1 / Nitrifier\ Growth\ Rate$
Safety Factor:	2.0	Typical Range: 1.5 - 2.5
Min Required Aerobic SRT (days):	6.0	
Minimum Aerobic Volume (cf):	10,661.1	For Nitrification

F. Sludge Yield

	0.9	lbs Sludge / lb BOD
Sludge Yield:	332	lbs/day
Assume Percent Solids =	1.5	%
Qsludge =	2,655	gal/day

G. Clarifier

Max Surface Loading:	1,200	gpd/sf at Peak Flow	(TCEQ Chap. 217.154: Activated Sludge, Secondary with
Max Surface Loading:	600	gpd/sf at Design Flow	
Min Detention Time:	1.8	hrs at Peak Flow	
Max Weir Loading:	20,000	gpd/lf at Peak Flow	
Minimum Surface Area:	500	sf	
Minimum Volume:	45,000	gallons =	6015.6 cf
Minimum Weir Length:	30	lf	

H. Return Activated Sludge

Minimum Rate:	50% of Design Flow =	52.1	gpm
Maximum Rate:	100% of Design Flow =	104.2	gpm
Provide:	3	6" Air Lift Pumps or	2
			8" Air Lift Pumps (If Air Lift Pumps Utilized)

I. Sludge Holding Basin

Max Loading:	200	lbs volatile solids per day / 1,000 cf (TCEQ Chap. 217.249.j.5)
Sludge Yield (lbs/day):	332	
Volatile Portion:	70%	
Min Basin Volume (cf):	1,162	
Minimum Detention Time:	15	days (TCEQ Chap. 217.249.j.4)
Sludge Yield (gpd):	2,655	
Min Basin Volume (cf):	5,324	
Min Required Basin Volume (cf):	5,323.8	

J. Chlorine Contact Basin

Minimum Detention Time:	20	minutes at Peak Flow
Minimum Volume:	8,333.33	gallons =
		1,114.0 cf

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
INTERIM I PHASE

K. Aeration

1. Aeration Basins

Minimum oxygen requirement = 3,200 scf per lb BOD₅ per day @ 12' submergence and 20 deg C

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

Diffuser Submergence Depth = 12 ft
Correction Factor = 1.00

Minimum oxygen requirement = 820 scfm @ 20 deg C

2. Digester

Oxygen Requirement = 30 scfm per 1,000 ft³

Minimum oxygen requirement = 160 scfm

3. Air Lift Pumps

Minimum air requirement = 105 scfm

4. Total

Total Air Flow Requirement = 1,085 scfm

L. Fine Screen

Bar Spacing: 1.125 in (center to center)
Average Flow Rate: 0.2 MGD
Approximate Volume of Screenings: 13 cf/MG
Anticipated Volume of Screenings: 1.95 cf per day 0.51 CY Per Week

COARSE SCREEN (BYPASS/OVERFLOW BAR SCREEN)

Influent Flow Rate

Average Influent Flow Rate:	0.15	MGD	=	104	gpm	=	0.232	cfs
Peak Influent Flow Rate:	0.60	MGD	=	417	gpm	=	0.928	cfs

Channel Geometry

Channel Width: 2.00 ft
Design Channel Flow Depth: 0.2 ft
Max. Channel Depth: 0.4 ft

Bar Rack Geometry

Bar Size: 0.625 in
Clear Space Between Bars: 0.500 in
Incline Angle: 45 degrees
No. of Bars in Rack: 22
Clear Space: 0.8541667 sf per ft of channel depth

Headloss thru Bar Screen

Channel Area (Avg): 0.3 sf
Channel Area (Max): 0.8 sf
Approach Velocity (Avg): 0.696 fps (using design channel depth)
Approach Velocity (Peak): 1.160 fps (using max. channel depth)
Bar Screen Area (Avg): 0.14 sf
Bar Screen Area (Max): 0.34 sf
Velocity Through Bars (Avg): 1.63 fps (using design channel depth)
Velocity Through Bars (Max): 2.72 fps (using max. channel depth)

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

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

Assuming Clogging:

<i>Assuming No Clogging:</i>				
Head Loss (Design):	0.0482	ft	Clogging Factor:	0.500
Head Loss (Max):	0.1339	ft	Head Loss (Design):	0.193 ft
			Head Loss (Max):	0.536 ft

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
INTERIM II PHASE

PARAMETERS

<i>Influent:</i>			<i>Effluent:</i>		
Q =	300,000	GPD	S =	5	mg/l, BOD _{Seff}
Q _{p1} =	1,200,000	GPD to Headworks	TSS _{eff} =	5	mg/l
Q _{p2} =	1,200,000	GPD downstream of Infl EQ (N/A)	NH ₃ N =	2	mg/l
S _o =	300	mg/l, BOD ₅ infl	Chlorine Residual =	1	mg/l @ 20 min det
TSS _{inf} =	300	mg/l	Total Phosphorus =	1	mg/l
Chemical Oxygen Demand (COD) =	545	mg/l	.3-.8 (BOD/COD), used 0.55		
TKN =	70	mg/l			
NH ₃ N =	35	mg/l			
Organic N _{14°C} =	35	mg/l			
Winter Temp. Min. =	15	°C			
Summer Temp. Max. =	29	°C			
MLSS =	3,000	mg/l, conc. Of suspended solids in aeration tank			
MLVSS =	70	% of MLSS			
MLVSS (X) =	2100	mg/l, conc. Of volatile suspended solids in aeration tank			

COEFFICIENTS

θ _c =	30	days, mean cell residence time
Y =	0.4	maximum yield coefficient, range: 0.3 - 0.5 (Metcalf & Eddy Table 8-10)
Y _n =	0.12	g VSS / g NH ₄ -N, range: 0.1 - 0.15 (Metcalf & Eddy Table 8-11)
K _o =	0.5	g / m ³ , range: 0.40 - 0.60 (Metcalf & Eddy Table 8-11)
k _d =	0.12	day ⁻¹ , endogenous decay coefficient, range: 0.06 - 0.2 (Metcalf & Eddy Table 8-10)
k _d =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-10)
K _{d, 14°C} =	0.099	g/g*d
K _{dn} =	0.080	g VSS / g VSS*d, range: 0.05 - 0.15 (Metcalf & Eddy Table 8-10)
K _{dn} =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-11)
K _{dn, 14°C} =	0.066	g/g*d
K _n =	0.740	g NH ₄ -N / m ³ , range: 0.5 - 1.0 (Metcalf & Eddy Table 8-11)
K _n =	1.053	unitless, range: 1.03 - 1.123 (Metcalf & Eddy Table 8-11)
K _{n, 14°C} =	0.572	g / m ³
μ _{mn} =	0.750	g VSS / g VSS*d, range: 0.20 - 0.90 (Metcalf & Eddy Table 8-11)
μ _n =	1.070	unitless, range: 1.06 - 1.123 (Metcalf & Eddy Table 8-11)
μ _{m, 14°C} =	0.535	g / g*d
f _d =	0.150	unitless, range: 0.08 - 0.2 (Metcalf & Eddy Table 8-10)

DESIGN CALCULATIONS

A. BOD₅ Loading

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

F = **738.1** lb BOD₅ / day

B. TSS Loading

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

TSS = **738.1** lb TSS / day

C. Micro-organism Mass in Aeration Basin

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

M_v = **1925** lb

D. Aeration Volume

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

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

TCEQ Max. Organic Loading: 35 lbs BOD₅/day/1000 cf (TCEQ Chap. 217.154: Conventional with Nitrification, Temps 715°C)

Min Volume (cf): 21,088

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

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
INTERIM II PHASE

E. Nitrification

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

F. Sludge Yield

		0.9 lbs Sludge / lb BOD
Sludge Yield:	664	lbs/day
Assume Percent Solids =	1.5	%
Qsludge =	5,310	gal/day

G. Clarifier

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

H. Return Activated Sludge

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

I. Sludge Holding Basin

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

J. Chlorine Contact Basin

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

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
INTERIM II PHASE

K. Aeration

1. Aeration Basins

Minimum oxygen requirement = 3,200 scf per lb BOD₅ per day @ 12' submergence and 20 deg C

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

Diffuser Submergence Depth = 12 ft
Correction Factor = 1.00

Minimum oxygen requirement = 1,640 scfm @ 20 deg C

2. Digester

Oxygen Requirement = 30 scfm per 1,000 ft³

Minimum oxygen requirement = 319 scfm

3. Air Lift Pumps

Minimum air requirement = 210 scfm

4. Total

Total Air Flow Requirement = 2,170 scfm

L. Fine Screen

Bar Spacing: 1.125 in (center to center)
Average Flow Rate: 0.3 MGD
Approximate Volume of Screenings: 13 cf/MG
Anticipated Volume of Screenings: 3.9 cf per day 1.01 CY Per Week

COARSE SCREEN (BYPASS/OVERFLOW BAR SCREEN)

Influent Flow Rate

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

Channel Geometry

Channel Width: 2.00 ft
Design Channel Flow Depth: 0.3 ft
Max. Channel Depth: 0.7 ft

Bar Rack Geometry

Bar Size: 0.625 in
Clear Space Between Bars: 0.500 in
Incline Angle: 45 degrees
No. of Bars in Rack: 22
Clear Space: 0.8541667 sf per ft of channel depth

Headloss thru Bar Screen

Channel Area (Avg): 0.7 sf
Channel Area (Max): 1.3 sf
Approach Velocity (Avg): 0.696 fps (using design channel depth)
Approach Velocity (Peak): 1.393 fps (using max. channel depth)
Bar Screen Area (Avg): 0.28 sf
Bar Screen Area (Max): 0.57 sf
Velocity Through Bars (Avg): 1.63 fps (using design channel depth)
Velocity Through Bars (Max): 3.26 fps (using max. channel depth)

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

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

Assuming Clogging:

<i>Assuming No Clogging:</i>					
Head Loss (Design):	0.0482	ft	Clogging Factor:	0.500	
Head Loss (Max):	0.1928	ft	Head Loss (Design):	0.193	ft
			Head Loss (Max):	0.771	ft

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
INTERIM III PHASE

PARAMETERS

<i>Influent:</i>			<i>Effluent:</i>		
Q =	600,000	GPD	S =	5	mg/l, BOD _{5eff}
Q _{p1} =	2,400,000	GPD to Headworks	TS _{Seff} =	5	mg/l
Q _{p2} =	2,400,000	GPD downstream of Infl EQ (N/A)	NH ₃ N =	2	mg/l
S _o =	300	mg/l, BOD _{5infl}	Chlorine Residual =	1	mg/l @ 20 min det
TSS _{infl} =	300	mg/l	Total Phosphorus =	1	mg/l
Chemical Oxygen Demand (COD) =	545	mg/l	.3-.8 (BOD/COD), used 0.55		
TKN =	70	mg/l			
NH ₃ N =	35	mg/l			
Organic N _{14°C} =	35	mg/l			
Winter Temp. Min. =	15	°C			
Summer Temp. Max. =	29	°C			
MLSS =	3,000	mg/l, conc. Of suspended solids in aeration tank			
MLVSS =	70	% of MLSS			
MLVSS (X) =	2100	mg/l, conc. Of volatile suspended solids in aeration tank			

COEFFICIENTS

θ _c =	30	days, mean cell residence time
Y =	0.4	maximum yield coefficient, range: 0.3 - 0.5 (Metcalf & Eddy Table 8-10)
Y _n =	0.12	g VSS / g NH ₄ -N, range: 0.1 - 0.15 (Metcalf & Eddy Table 8-11)
K _o =	0.5	g / m ³ , range: 0.40 - 0.60 (Metcalf & Eddy Table 8-11)
k _d =	0.12	day ⁻¹ , endogenous decay coefficient, range: 0.06 - 0.2 (Metcalf & Eddy Table 8-10)
k _d =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-10)
k _{d, 14°C} =	0.099	g/g*d
K _{dn} =	0.080	g VSS / g VSS*d, range: 0.05 - 0.15 (Metcalf & Eddy Table 8-10)
K _{dn} =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-11)
K _{dn, 14°C} =	0.066	g/g*d
K _n =	0.740	g NH ₄ -N / m ³ , range: 0.5 - 1.0 (Metcalf & Eddy Table 8-11)
K _n =	1.053	unitless, range: 1.03 - 1.123 (Metcalf & Eddy Table 8-11)
K _{n, 14°C} =	0.572	g / m ³
μ _{mn} =	0.750	g VSS / g VSS*d, range: 0.20 - 0.90 (Metcalf & Eddy Table 8-11)
μ _n =	1.070	unitless, range: 1.06 - 1.123 (Metcalf & Eddy Table 8-11)
μ _{m, 14°C} =	0.535	g / g*d
f _d =	0.150	unitless, range: 0.08 - 0.2 (Metcalf & Eddy Table 8-10)

DESIGN CALCULATIONS

A. BOD₅ Loading

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

F = **1476.2** lb BOD₅/day

B. TSS Loading

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

TSS = **1476.2** lb TSS/day

C. Micro-organism Mass in Aeration Basin

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

M_v = **3851** lb

D. Aeration Volume

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

Min Volume (gal): 219,875.78
Min Volume (cf): 29,393

TCEQ Max. Organic Loading: 35 lbs BOD₅/day/1000 cf (TCEQ Chap. 217.154: Conventional with Nitrification, Temps 715°C)

Min Volume (cf): 42,177

Min Volume (cf): 42,177 For BOD Reduction

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
INTERIM III PHASE

E. Nitrification

pH:	7.2	
DO (mg/L):	2.0	Dissolved Oxygen
Ko:	0.5	Half-Saturation coefficient for DO (Metcalf & Eddy Table 8-11)
Temp (°C):	15.0	
Effluent NH3 (mg/L):	2.0	
Temperature Term, Tt:	1.00	$Tt = e^{(0.098 \cdot (T - 15))}$
DO Term, DOt:	0.80	$DOt = DO / (Ko + DO)$
pH Term, pHt:	1.00	$pHt = 1 - 0.833 \cdot (7.2 - pH)$
Kn:	0.40	Half-Saturation coefficient for oxidation of ammonia
NH3 Term, NH3t:	0.83	$Kn = 10^{(0.051 \cdot T - 1.158)}$
Nitrifier Growth Rate (days ⁻¹):	0.33	$NH3t = NH3 / (Kn + NH3)$
Aerobic SRT Required (days):	3.01	$Growth\ Rate = 0.5 \cdot Tt \cdot pHt \cdot DOt \cdot NH3t$
		$SRT = 1 / Nitrifier\ Growth\ Rate$
Safety Factor:	2.0	Typical Range: 1.5 - 2.5
Min Required Aerobic SRT (days):	6.0	
Minimum Aerobic Volume (cf):	42,644.2	For Nitrification

F. Sludge Yield

		0.9 lbs Sludge / lb BOD
Sludge Yield:	1,329	lbs/day
Assume Percent Solids =	1.5	%
Qsludge =	10,620	gal/day

G. Clarifier

Max Surface Loading:	1,200	gpd/sf at Peak Flow	(TCEQ Chap. 217.154: Activated Sludge, Secondary with Nitrification)
Max Surface Loading:	600	gpd/sf at Design Flow	
Min Detention Time:	1.8	hrs at Peak Flow	
Max Weir Loading:	20,000	gpd/lf at Peak Flow	
Minimum Surface Area:	2,000	sf	
Minimum Volume:	180,000	gallons =	24062.6 cf
Minimum Weir Length:	120	lf	

H. Return Activated Sludge

Minimum Rate:	50% of Design Flow =	208.3	gpm	
Maximum Rate:	100% of Design Flow =	416.7	gpm	
Provide:	11	6" Air Lift Pumps or	6	8" Air Lift Pumps (If Air Lift Pumps Utilized)

I. Sludge Holding Basin

Max Loading:	200	lbs volatile solids per day / 1,000 cf (TCEQ Chap. 217.249.j.5)
Sludge Yield (lbs/day):	1,329	
Volatile Portion:	70%	
Min Basin Volume (cf):	4,650	
Minimum Detention Time:	15	days (TCEQ Chap. 217.249.j.4)
Sludge Yield (gpd):	10,620	
Min Basin Volume (cf):	21,295	
Min Required Basin Volume (cf):	21,295.4	

J. Chlorine Contact Basin

Minimum Detention Time:	20	minutes at Peak Flow
Minimum Volume:	33,333.33	gallons = 4,456.0 cf

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
INTERIM III PHASE

K. Aeration

1. Aeration Basins

Minimum oxygen requirement = 3,200 scf per lb BOD₅ per day @ 12' submergence and 20 deg C

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

Diffuser Submergence Depth = 12 ft
Correction Factor = 1.00

Minimum oxygen requirement = 3,280 scfm @ 20 deg C

2. Digester

Oxygen Requirement = 30 scfm per 1,000 ft³

Minimum oxygen requirement = 639 scfm

3. Air Lift Pumps

Minimum air requirement = 385 scfm

4. Total

Total Air Flow Requirement = 4,304 scfm

L. Fine Screen

Bar Spacing: 1.125 in (center to center)
Average Flow Rate: 0.6 MGD
Approximate Volume of Screenings: 13 cf/MG

Anticipated Volume of Screenings: 7.8 cf per day 2.02 CY Per Week

COARSE SCREEN (BYPASS/OVERFLOW BAR SCREEN)

Influent Flow Rate

Average Influent Flow Rate:	0.60	MGD	=	417	gpm	=	0.928	cfs
Peak Influent Flow Rate:	2.40	MGD	=	1667	gpm	=	3.713	cfs

Channel Geometry

Channel Width: 2.00 ft
Design Channel Flow Depth: 0.4 ft
Max. Channel Depth: 1.5 ft

Bar Rack Geometry

Bar Size: 0.625 in
Clear Space Between Bars: 0.500 in
Incline Angle: 45 degrees

No. of Bars in Rack: 22
Clear Space: 0.8541667 sf per ft of channel depth

Headloss thru Bar Screen

Channel Area (Avg): 0.8 sf
Channel Area (Max): 3.0 sf
Approach Velocity (Avg): 1.160 fps (using design channel depth)
Approach Velocity (Peak): 1.238 fps (using max. channel depth)

Bar Screen Area (Avg): 0.34 sf
Bar Screen Area (Max): 1.28 sf
Velocity Through Bars (Avg): 2.72 fps (using design channel depth)
Velocity Through Bars (Max): 2.90 fps (using max. channel depth)

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

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

Assuming Clogging:

<i>Assuming No Clogging:</i>		<i>Clogging Factor:</i>	0.500	
Head Loss (Design):	0.1339	ft	Head Loss (Design):	0.536
Head Loss (Max):	0.1523	ft	Head Loss (Max):	0.609
				ft

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
FINAL PHASE

PARAMETERS

<i>Influent:</i>			<i>Effluent:</i>		
Q =	900,000	GPD	S =	5	mg/l, BOD _{5eff}
Q _{p1} =	3,600,000	GPD to Headworks	TS _{Seff} =	5	mg/l
Q _{p2} =	3,600,000	GPD downstream of Infl EQ (N/A)	NH ₃ N =	2	mg/l
S _o =	300	mg/l, BOD _{5infl}	Chlorine Residual =	1	mg/l @ 20 min det
TSS _{infl} =	300	mg/l	Total Phosphorus =	1	mg/l
Chemical Oxygen Demand (COD) =	545	mg/l	.3-.8 (BOD/COD), used 0.55		
TKN =	70	mg/l			
NH ₃ N =	35	mg/l			
Organic N _{14°C} =	35	mg/l			
Winter Temp. Min. =	15	°C			
Summer Temp. Max. =	29	°C			
MLSS =	3,000	mg/l, conc. Of suspended solids in aeration tank			
MLVSS =	70	% of MLSS			
MLVSS (X) =	2100	mg/l, conc. Of volatile suspended solids in aeration tank			

COEFFICIENTS

θ _c =	30	days, mean cell residence time
Y =	0.4	maximum yield coefficient, range: 0.3 - 0.5 (Metcalf & Eddy Table 8-10)
Y _n =	0.12	g VSS / g NH ₄ -N, range: 0.1 - 0.15 (Metcalf & Eddy Table 8-11)
K _o =	0.5	g / m ³ , range: 0.40 - 0.60 (Metcalf & Eddy Table 8-11)
k _d =	0.12	day ⁻¹ , endogenous decay coefficient, range: 0.06 - 0.2 (Metcalf & Eddy Table 8-10)
k _d =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-10)
k _{d, 14°C} =	0.099	g/g*d
K _{dn} =	0.080	g VSS / g VSS*d, range: 0.05 - 0.15 (Metcalf & Eddy Table 8-10)
K _{dn} =	1.04	unitless, range: 1.03 - 1.08 (Metcalf & Eddy Table 8-11)
K _{dn, 14°C} =	0.066	g/g*d
K _n =	0.740	g NH ₄ -N / m ³ , range: 0.5 - 1.0 (Metcalf & Eddy Table 8-11)
K _n =	1.053	unitless, range: 1.03 - 1.123 (Metcalf & Eddy Table 8-11)
K _{n, 14°C} =	0.572	g / m ³
μ _{mn} =	0.750	g VSS / g VSS*d, range: 0.20 - 0.90 (Metcalf & Eddy Table 8-11)
μ _n =	1.070	unitless, range: 1.06 - 1.123 (Metcalf & Eddy Table 8-11)
μ _{m, 14°C} =	0.535	g / g*d
f _d =	0.150	unitless, range: 0.08 - 0.2 (Metcalf & Eddy Table 8-10)

DESIGN CALCULATIONS

A. BOD₅ Loading

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

F = **2214.3** lb BOD₅/day

B. TSS Loading

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

TSS = **2214.3** lb TSS/day

C. Micro-organism Mass in Aeration Basin

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

M_v = **5776** lb

D. Aeration Volume

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

Min Volume (gal): 329,813.66
Min Volume (cf): 44,090

TCEQ Max. Organic Loading: 35 lbs BOD₅/day/1000 cf (TCEQ Chap. 217.154: Conventional with Nitrification, Temps 715°C)

Min Volume (cf): 63,265

Min Volume (cf): 63,265 For BOD Reduction

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
FINAL PHASE

E. Nitrification

pH:	7.2	
DO (mg/L):	2.0	Dissolved Oxygen
Ko:	0.5	Half-Saturation coefficient for DO (Metcalf & Eddy Table 8-11)
Temp (°C):	15.0	
Effluent NH3 (mg/L):	2.0	
Temperature Term, Tt:	1.00	$Tt = e^{(0.098 \cdot (T - 15))}$
DO Term, DOt:	0.80	$DOt = DO / (Ko + DO)$
pH Term, pHt:	1.00	$pHt = 1 - 0.833 \cdot (7.2 - pH)$
Kn:	0.40	Half-Saturation coefficient for oxidation of ammonia
NH3 Term, NH3t:	0.83	$Kn = 10^{(0.051 \cdot T - 1.158)}$
Nitrifier Growth Rate (days ⁻¹):	0.33	$NH3t = NH3 / (Kn + NH3)$
Aerobic SRT Required (days):	3.01	$Growth\ Rate = 0.5 \cdot Tt \cdot pHt \cdot DOt \cdot NH3t$
		$SRT = 1 / Nitrifier\ Growth\ Rate$
Safety Factor:	2.0	Typical Range: 1.5 - 2.5
Min Required Aerobic SRT (days):	6.0	
Minimum Aerobic Volume (cf):	63,966.3	For Nitrification

F. Sludge Yield

		0.9 lbs Sludge / lb BOD
Sludge Yield:	1,993	lbs/day
Assume Percent Solids =	1.5	%
Qsludge =	15,930	gal/day

G. Clarifier

Max Surface Loading:	1,200	gpd/sf at Peak Flow	(TCEQ Chap. 217.154: Activated Sludge, Secondary with Nitrification)
Max Surface Loading:	600	gpd/sf at Design Flow	
Min Detention Time:	1.8	hrs at Peak Flow	
Max Weir Loading:	20,000	gpd/lf at Peak Flow	
Minimum Surface Area:	3,000	sf	
Minimum Volume:	270,000	gallons =	36093.8 cf
Minimum Weir Length:	180	lf	

H. Return Activated Sludge

Minimum Rate:	50% of Design Flow =	312.5	gpm	
Maximum Rate:	100% of Design Flow =	625.0	gpm	
Provide:	16	6" Air Lift Pumps or	9	8" Air Lift Pumps (If Air Lift Pumps Utilized)

I. Sludge Holding Basin

Max Loading:	200	lbs volatile solids per day / 1,000 cf (TCEQ Chap. 217.249.j.5)
Sludge Yield (lbs/day):	1,993	
Volatile Portion:	70%	
Min Basin Volume (cf):	6,975	
Minimum Detention Time:	15	days (TCEQ Chap. 217.249.j.4)
Sludge Yield (gpd):	15,930	
Min Basin Volume (cf):	31,943	
Min Required Basin Volume (cf):	31,943.1	

J. Chlorine Contact Basin

Minimum Detention Time:	20	minutes at Peak Flow
Minimum Volume:	50,000.00	gallons = 6,684.0 cf

CIELO GARDENS L.P.
ATTACHMENT L - DESIGN CALCULATIONS
FINAL PHASE

K. Aeration

1. Aeration Basins

Minimum oxygen requirement = 3,200 scf per lb BOD₅ per day @ 12' submergence and 20 deg C

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

Diffuser Submergence Depth = 12 ft
Correction Factor = 1.00

Minimum oxygen requirement = 4,921 scfm @ 20 deg C

2. Digester

Oxygen Requirement = 30 scfm per 1,000 ft³

Minimum oxygen requirement = 958 scfm

3. Air Lift Pumps

Minimum air requirement = 560 scfm

4. Total

Total Air Flow Requirement = 6,439 scfm

L. Fine Screen

Bar Spacing: 1.125 in (center to center)
Average Flow Rate: 0.9 MGD
Approximate Volume of Screenings: 13 cf/MG

Anticipated Volume of Screenings: 11.7 cf per day 3.03 CY Per Week

COARSE SCREEN (BYPASS/OVERFLOW BAR SCREEN)

Influent Flow Rate

Average Influent Flow Rate:	0.90	MGD	=	625	gpm	=	1.393	cfs
Peak Influent Flow Rate:	3.60	MGD	=	2500	gpm	=	5.570	cfs

Channel Geometry

Channel Width: 2.00 ft
Design Channel Flow Depth: 0.8 ft
Max. Channel Depth: 2.7 ft

Bar Rack Geometry

Bar Size: 0.625 in
Clear Space Between Bars: 0.500 in
Incline Angle: 45 degrees
No. of Bars in Rack: 22
Clear Space: 0.8541667 sf per ft of channel depth

Headloss thru Bar Screen

Channel Area (Avg): 1.6 sf
Channel Area (Max): 5.3 sf
Approach Velocity (Avg): 0.870 fps (using design channel depth)
Approach Velocity (Peak): 1.044 fps (using max. channel depth)
Bar Screen Area (Avg): 0.68 sf
Bar Screen Area (Max): 2.28 sf
Velocity Through Bars (Avg): 2.04 fps (using design channel depth)
Velocity Through Bars (Max): 2.45 fps (using max. channel depth)

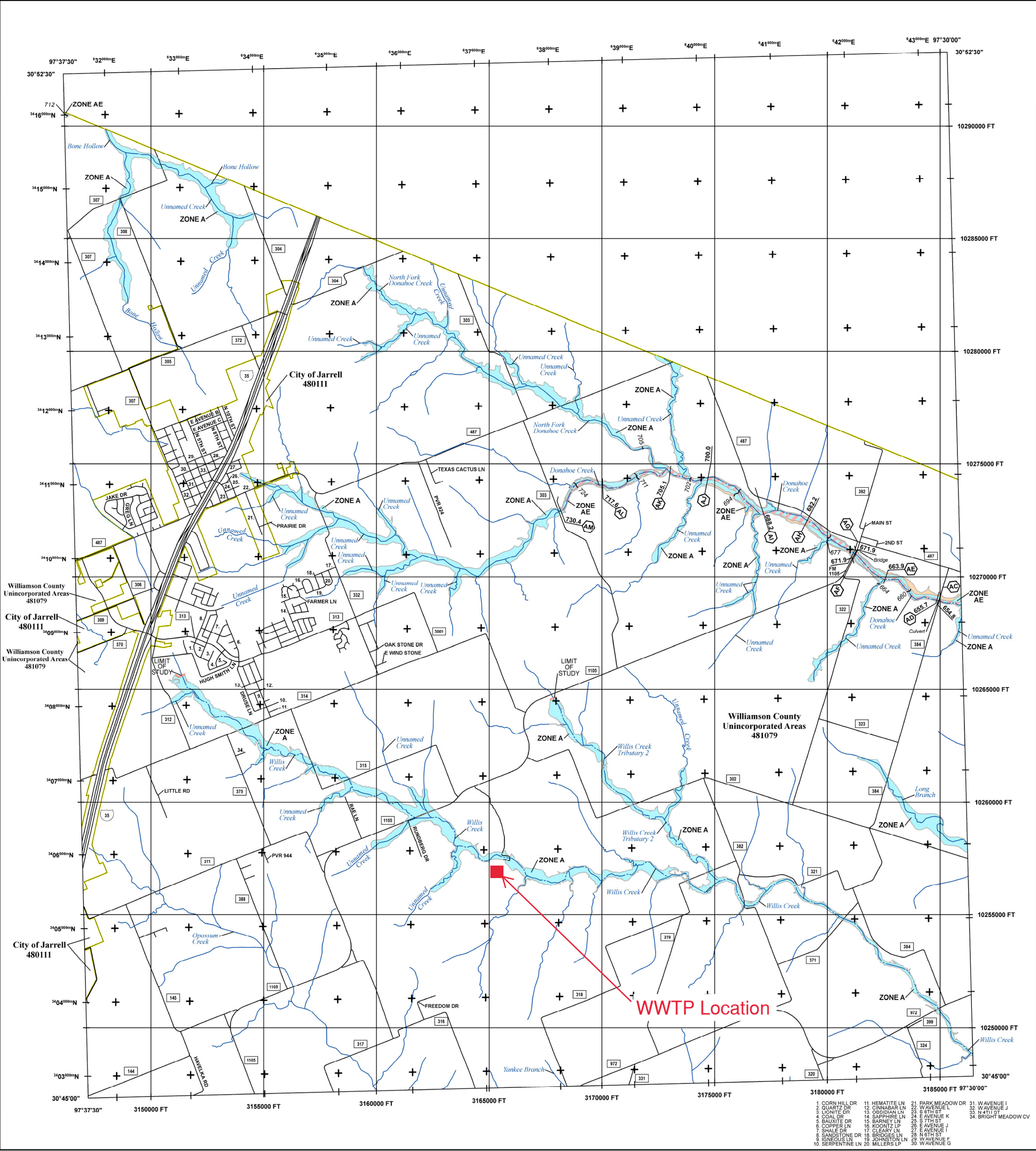
$$HeadLoss = \frac{V^2 - v^2}{0.7 \times 2 \times g}$$

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

Assuming Clogging:

<i>Assuming No Clogging:</i>		<i>Clogging Factor:</i>	0.500	
Head Loss (Design):	0.0753	ft	Head Loss (Design):	0.301
Head Loss (Max):	0.1085	ft	Head Loss (Max):	0.434
				ft

ATTACHMENT M
FEMA FIRM MAP



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING
DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT
[HTTPS://MSC.FEMA.GOV](https://MSC.FEMA.GOV)

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth Zone AE, AO, AH, VE, AR
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD

- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
- Future Conditions 1% Annual Chance Flood Hazard Zone X
- Area with Reduced Flood Risk due to Levee See Notes. Zone X
- Area with Flood Risk due to Levee Zone D
- NO SCREEN Area of Minimal Flood Hazard Zone X
- Area of Undetermined Flood Hazard Zone D

OTHER AREAS

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

GENERAL STRUCTURES

- Cross Sections with 1% Annual Chance Water Surface Elevation
- Coastal Transect
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature
- Base Flood Elevation Line (BFE)

OTHER FEATURES

- Limit of Study
- Jurisdiction Boundary

NOTES TO USERS

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

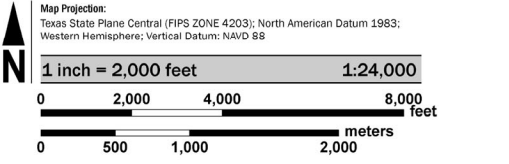
Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM Index. These may be ordered directly from the Flood Map Service Center at the number listed above.

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

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

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

SCALE



PANEL LOCATOR



FEMA
National Flood Insurance Program

NATIONAL FLOOD INSURANCE PROGRAM
FLOOD INSURANCE RATE MAP

WILLIAMSON COUNTY, TEXAS
and Incorporated Areas

PANEL 150 OF 750

Panel Contains:

COMMUNITY	NUMBER	PANEL	SUFFIX
JARRELL, CITY OF	480111	0150	F
WILLIAMSON COUNTY	481079	0150	F

VERSION NUMBER 2.3.3.3
MAP NUMBER 48491C0150F
MAP REVISED DECEMBER 20, 2019

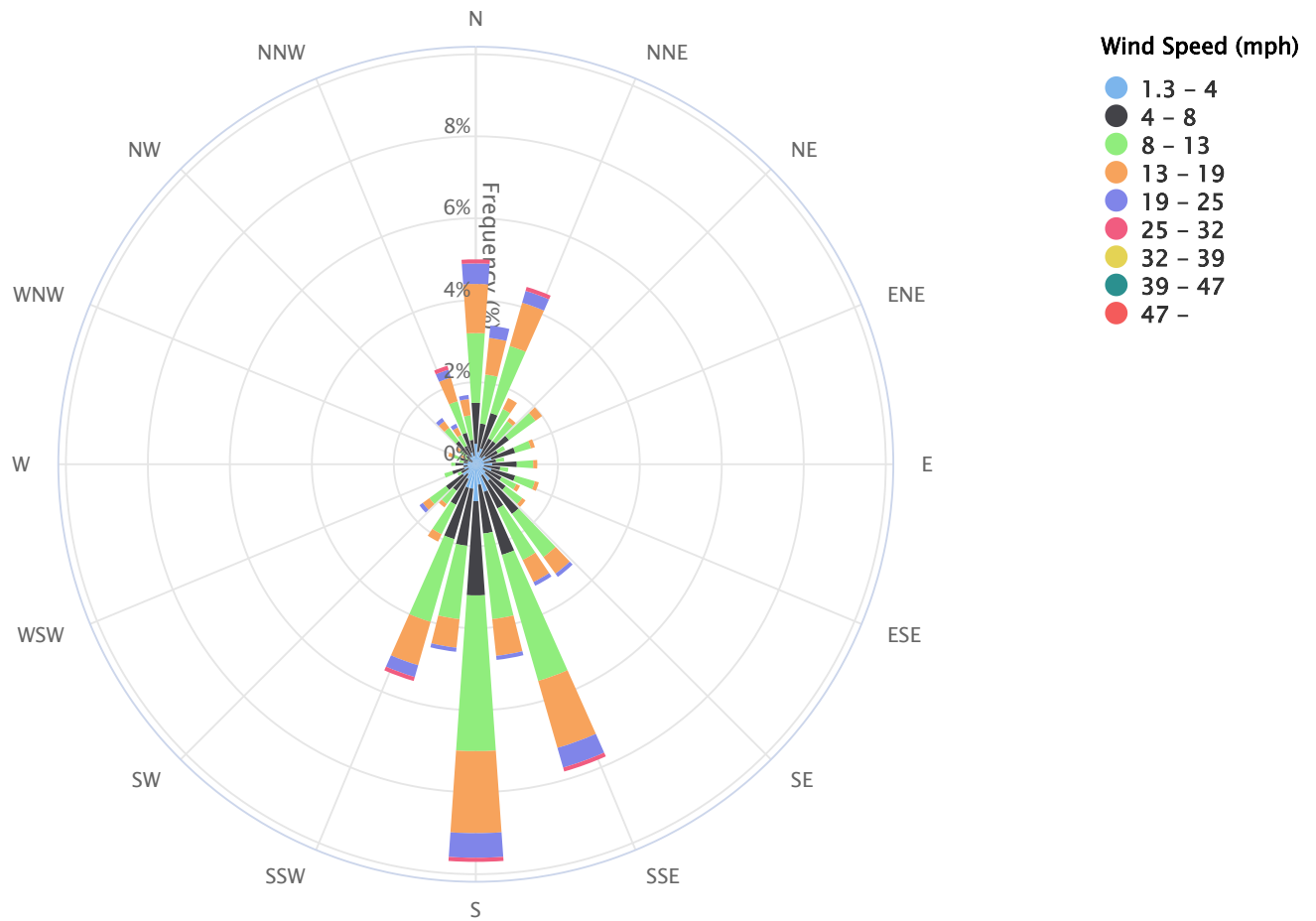
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ATTACHMENT N
WIND ROSE

AUSTIN BERGSTROM AP (TX) Wind Rose



Oct. 1, 1942 – Aug. 5, 2022
Sub-Interval: Jan. 1 – Dec. 31, 0 – 23



Click and drag to zoom

ATTACHMENT O
SEWAGE SLUDGE MANAGEMENT PLAN

CIELO GARDENS L.P.
ATTACHMENT O - SLUDGE MANAGEMENT PLAN
SUMMARY

SOLIDS GENERATED & REMOVAL SUMMARY TABLE

	Interim Phase I - 0.15 MGD				Interim Phase II - 0.3 MGD				Interim III - 0.60 MGD				Final Phase - 0.90 MGD			
Percent of Phase Flow:	100%	75%	50%	25%	100%	75%	50%	25%	100%	75%	50%	25%	100%	75%	50%	25%
Dry Sludge (lbs/Day)	332	249	166	83	664	498	332	166	1,329	996	664	332	1,993	1,495	996	498
Wet Sludge (lbs/Day)*	22,143	16,607	11,071	5,536	44,285	33,214	22,143	11,071	88,571	66,428	44,285	22,143	132,856	99,642	66,428	33,214
Wet Sludge generated and to be removed (gal/Day)*	2,655	1,991	1,328	664	5,310	3,983	2,655	1,328	10,620	7,695	5,310	2,655	15,930	11,948	7,965	3,983

* Assumes 1.5% Solids

Sludge Management Summary

MLSS Operating Range

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

Solids Removal Procedure:

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

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

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

Solids Removal Schedule:

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

Disposal Site Information:

Hauler: Sheridan Environmental LLC, License #24220

Site: Walker Aero Environmental, Permit #2310

CIELO GARDENS L.P.
ATTACHMENT O - SLUDGE MANAGEMENT PLAN
INTERIM I PHASE

Dimensions and Capacities of Sludge Holding

Average Anticipated Sludge Yield:	2,655	gal/day		
TCEQ Minimum Sludge Retention Time:	15	days		
SRT from Treatment Basins:	10.14	days		
Minimum SRT needed in Sludge Holding:	4.86	days		
Prop Sludge Holding Basins:	63,285	gal =	8,460	cubic feet
Proposed Sludge Holding SRT:	23.84	days		
Total Proposed Sludge Retention Time:	33.98	days		

Solids Generated

BOD5 Removal	Influent concentration =	300	mg/l
	Effluent concentration =	5	mg/l
	Net removal =	295	mg/l

MLSS Operating Range = 3,000 mg/l

BOD5 removed	369	lbs/day
Dry Sludge Produced	332	lbs/day
Wet Sludge Produced*	22,143	lbs/day
Wet Sludge Produced*	2,655	gal/day

*Assuming Percent Solids in Sludge: 1.5 % Solids

Length of Sustained Peak (days)	Peaking Factor	Waste Sludge Mass Loading (lbs/day)	Total Sustained Loading (lb)
1	2.4	797	797
2	2.1	697	1,395
3	1.9	631	1,893
4	1.8	598	2,391
5	1.7	565	2,823
7	1.65	548	3,836
14	1.32	438	6,138
15	1.3	432	6,477
365	1	332	121,231

Process:

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

CIELO GARDENS L.P.
ATTACHMENT O - SLUDGE MANAGEMENT PLAN
INTERIM II PHASE

Dimensions and Capacities of Sludge Holding

Average Anticipated Sludge Yield:	5,310 gal/day	
TCEQ Minimum Sludge Retention Time:	15 days	
SRT from Treatment Basins:	10.14 days	
Minimum SRT needed in Sludge Holding:	4.856949 days	
Prop Sludge Holding Basins:	126,570 gal =	16,920 cubic feet
Proposed Sludge Holding SRT:	23.84 days	
Total Proposed Sludge Retention Time:	33.98 days	

Solids Generated

BOD5 Removal	Influent concentration =	300 mg/l
	Effluent concentration =	5 mg/l
	Net removal =	295 mg/l

MLSS Operating Range = 3,000 mg/l

BOD5 removed	738 lbs/day
Dry Sludge Produced	664 lbs/day
Wet Sludge Produced*	44,285 lbs/day
Wet Sludge Produced*	5,310 gal/day

*Assuming Percent Solids in Sludge: 1.5 % Solids

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

Process:

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

CIELO GARDENS L.P.
ATTACHMENT O - SLUDGE MANAGEMENT PLAN
INTERIM III PHASE

Dimensions and Capacities of Sludge Holding

Average Anticipated Sludge Yield:	10,620	gal/day
TCEQ Minimum Sludge Retention Time:	15	days
SRT from Treatment Basins:	7.61	days
Minimum SRT needed in Sludge Holding:	7.39	days
Prop Sludge Holding Basins:	189,855	gal = 25,380 cubic feet
Proposed Sludge Holding SRT:	17.88	days
Total Proposed Sludge Retention Time:	25.48	days

Solids Generated

BOD5 Removal	Influent concentration =	300	mg/l
	Effluent concentration =	5	mg/l
	Net removal =	295	mg/l

MLSS Operating Range = 3,000 mg/l

BOD5 removed	1,476	lbs/day
Dry Sludge Produced	1,329	lbs/day
Wet Sludge Produced*	88,571	lbs/day
Wet Sludge Produced*	10,620	gal/day

*Assuming Percent Solids in Sludge: 1.50 % Solids

Length of Sustained Peak (days)	Peaking Factor	Waste Sludge Mass Loading (lbs/day)	Total Sustained Loading (lb)
1	2.4	3,189	3,189
2	2.1	2,790	5,580
3	1.9	2,524	7,573
4	1.8	2,391	9,566
5	1.7	2,259	11,293
7	1.65	2,192	15,345
14	1.32	1,754	24,552
15	1.3	1,727	25,907
365	1	1,329	484,925

Process:

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

CIELO GARDENS L.P.
ATTACHMENT O - SLUDGE MANAGEMENT PLAN
FINAL PHASE

Dimensions and Capacities of Sludge Holding

Average Anticipated Sludge Yield:	15,930	gal/day	
TCEQ Minimum Sludge Retention Time:	15	days	
SRT from Treatment Basins:	6.76	days	
Minimum SRT needed in Sludge Holding:	8.24	days	
Prop Sludge Holding Basins:	253,140	gal =	33,840 cubic feet
Proposed Sludge Holding SRT:	15.89	days	
Total Proposed Sludge Retention Time:	22.65	days	

Solids Generated

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

MLSS Operating Range = 3,000 mg/l

BOD ₅ removed	2,214	lbs/day
Dry Sludge Produced	1,993	lbs/day
Wet Sludge Produced*	132,856	lbs/day
Wet Sludge Produced*	15,930	gal/day

*Assuming Percent Solids in Sludge: 1.50 % Solids

Length of Sustained Peak (days)	Peaking Factor	Waste Sludge Mass Loading (lbs/day)	Total Sustained Loading (lb)
1	2.4	4,783	4,783
2	2.1	4,185	8,370
3	1.9	3,786	11,359
4	1.8	3,587	14,348
5	1.7	3,388	16,939
7	1.65	3,288	23,017
14	1.32	2,631	36,828
15	1.3	2,591	38,860
365	1	1,993	727,388

Process:

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

ATTACHMENT P
FLOW PROJECTIONS

Attachment P – Flow Projections

Cielo Gardens WRF

The Cielo Gardens Water Reclamation Facility (WRF) is proposing to serve approximately 3,600 Living Unit Equivalents (LUE's). The proposed service area consists of six (6) tracts totaling 781-acres as summarized below.

Cielo Gardens WRF Service Area and Flow Summary

Tract	Area (acres)	Projected LUEs/Acre	Projected LUE's to be Served	Max Flow per LUE (gpd/LUE)	Projected Max Flow (gpd)
1	159	5	795	250	198,750
2	77	4	308	250	77,000
3	246	5	1230	250	307,500
4	78	4	312	250	78,000
5	82	4	328	250	82,000
6	139	4	556	250	139,000
<i>TOTAL:</i>	<i>781</i>		<i>3,529</i>		<i>882,250</i>

The projected yearly LUE and flow connections are provided below.

Cielo Gardens WRF Yearly LUE and Flow Projection

Year	LUEs Connected	Cumulative LUE's Connected	Max Monthly Flow (gpd)	WWTP Phase
2025	100	100	25,000	Interim I
2026	150	250	62,500	Interim I
2027	200	450	112,500	Interim I
2028	225	675	168,750	Interim II
2029	225	900	225,000	Interim II
2030	250	1150	287,500	Interim II
2031	275	1425	356,250	Interim III
2032	300	1725	431,250	Interim III
2033	300	2025	506,250	Interim III
2034	325	2350	587,500	Interim III
2035	350	2700	675,000	Final
2036	350	3050	762,500	Final
2037	350	3400	850,000	Final
2038	129	3529	882,250	Final



Engineering & Consulting

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Austin, Texas 78759
(512) 640-6590

Texas Registered Engineering Firm F-17563

August 24, 2023

Leah Whallon
Applications & Review Processing Team (MC-148)
Water Quality Division
Texas Commission on Environmental Quality

Re: Application for Proposed Permit No. WQ0016374001 (EPA I.D. No. TX0144797)
To be Issued to Cielo Gardens LP.
CN606170173, RN111786497

Leah Wallon,

We have received your administrative review comments dated 8/14/2023 for the above referenced application. A summary of the comments is provided below with our response in italics.

1. The person signing the application does not match the person that signed the signature page in Section 15. Please provide either a revised page for Section 3, or a new original signature page so both are consistent.
 - *A revised Admin Report Page 3 and Signature Page are attached.*
2. The plain language summaries were not completed. Please provide a copy of the English and Spanish PLS.
 - *The PLS are attached. Word documents were also e-mailed.*
3. Please review a portion of the NORI and indicate if it contains any errors or omissions.
 - *We have reviewed the portion of the NORI and take no exceptions.*
4. Provide a translated Spanish NORI using the attached template.
 - *The Spanish NORI is attached. A word document was also e-mailed.*

Please do not hesitate to contact me with any further comments or questions.

Sincerely,

Green Civil Design, LLC
Michael E. Bevilacqua, P.E.

Section 3. Facility Owner (Applicant) and Co-Applicant Information (Instructions Page 29)

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

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

Cielo Gardens L.P.

(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:

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

Prefix (Mr., Ms., Miss): Mr.

First and Last Name: Andy Bilger

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

Title: General Partner

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?

(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:

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

Prefix (Mr., Ms., Miss):

First and Last Name:

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

Title:

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

Section 14. Signature Page (Instructions Page 39)

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

Permit Number: WQ0016374001

Applicant: Cielo Gardens LP

Certification:

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

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

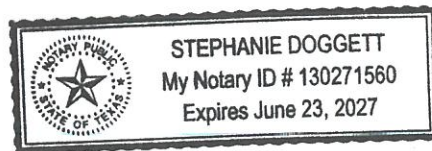
Signatory name (typed or printed): Andrew Bilger

Signatory title: GP

Signature:  Date: 8-^{16 AB}~~23~~-23
(Use blue ink)

Subscribed and Sworn to before me by the said Andrew Bilger
on this 16th day of August, 20 23.
My commission expires on the 23rd day of June, 20 27.


Notary Public



[SEAL]

Travis
County, Texas

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

This template is a guide to assist applicant's in developing a plain language summary as required by [30 Texas Administrative Code Chapter 39 Subchapter H](#). Applicant's may modify the template as necessary to accurately describe their facility as long as the summary includes the following information: (1) the function of the proposed plant or facility; (2) the expected output of the proposed plant or facility; (3) the expected pollutants that may be emitted or discharged by the proposed plant or facility; and (4) how the applicant will control those pollutants, so that the proposed plant will not have an adverse impact on human health or the environment.

Fill in the blanks below to describe your facility and application. Instructions and examples are provided below. Make any other edits necessary to improve readability or grammar and to comply with the rule requirements.

If you are subject to the alternative language notice requirements in [30 Texas Administrative Code §39.426](#), **you must provide a translated copy of the completed plain language summary in the appropriate alternative language as part of your application package.** For your convenience, a Spanish template has been provided below.

ENGLISH TEMPLATE FOR TPDES or TLAP NEW/RENEWAL/AMENDMENT APPLICATIONS

DOMESTIC WASTEWATER

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 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.

Cielo Gardens LP (CN606170173) proposes to operate the Cielo Gardens Water Reclamation Facility RN111786497. an activated sludge domestic wastewater treatment plant. The facility will be located at 10620 FM 1105, in Jarrell, Williamson County, Texas 76537.

This application is for a new authorization to discharge treated wastewater at a volume not to exceed a daily average flow of 900,000 gallons per day.

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

INSTRUCTIONS

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

Examples

Example 1: Domestic Wastewater TPDES Renewal application

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30

Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federal enforceable representations of the permit application.

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

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

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (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 by an activated sludge process plant and the treatment units include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 2: TPDES New Application

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

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

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

Discharges from the facility are expected to contain five-day carbonaceous biochemical oxygen demand (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 in the permit application package. Domestic wastewater will be treated by an activated sludge process plant and the treatment units will include a bar screen, a grit chamber, aeration basins, final clarifiers, sludge digesters, a belt filter press, chlorine contact chambers and a dechlorination chamber.

Example 3: TLAP Renewal application

The following summary is provided for this pending water quality permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may

change during the technical review of the application and are not federal enforceable representations of the permit application.

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

This application is for a renewal to dispose a daily average flow not to exceed 76,500 gallons per day of treated domestic wastewater via public access subsurface drip irrigation system with a minimum area of 32 acres. This permit will not authorize a discharge of pollutants into water in the state.

Land application of domestic wastewater from the facility are expected to contain five-day biochemical oxygen demand (BOD₅), total suspended solids (TSS), and *Escherichia coli*. Additional potential pollutants are included in the Domestic Technical Report 1.0, Section 7. Pollutant Analysis of Treated Effluent in the permit application package. Domestic wastewater is treated by an activated sludge process plant and the treatment units include a bar screen, an equalization basin, an aeration basin, a final clarifier, an aerobic sludge digester, tertiary filters, and a chlorine contact chamber. In addition, the facility includes a temporary storage that equals to at least three days of the daily average flow.

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

AGUAS RESIDUALES DOMÉSTICAS

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.

Cielo Gardens LP (CN606170173) propone operar la instalación de recuperación de agua de Cielo Gardens (RN111786497), una planta de tratamiento de aguas residuales domesticas de lodos activados. La instalación estará ubicada 10620 FM 1105, en Jarrell, Condado de Williamson, Texas 76537.

Esta solicitud es para una nueva autorización para descargar aguas residuales tratadas en un volumen que no exceda un flujo promedio diario de 900,000 galones por día.

Se espera que las descargas de la instalación demanda bioquímica de oxígeno carbonoso de cinco días (CBOD₅), Solidos total suspendidos (TSS), Nitrógeno Amoniaco (NH₃-N), Fosforo (P) y Escherichia coli. Las aguas residuales domesticas serán tratado por una planta de proceso de lodos activados, y las unidades de tratamiento incluyen una pantalla de barra, cuencas de aireación, clarificadores, cuencas de contacto con cloro (o desinfección ultravioleta), filtros de efluentes, y cuencas de retención de lodos.

Comisión de Calidad Ambiental del Estado de Texas



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

PERMISO PROPUESTO NO. WQ00_____

SOLICITUD. Cielo Gardens LP, 3939 Bee Caves Road, Suite C100, West Lake Hills, Texas 78746 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para el propuesto Permiso No. WQ0016374001 (EPA I.D. No. TX 0144797) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 900,000 galones por día. La planta está ubicada 10620 FM 1105 en el Condado de Williamson, Texas 76537. La ruta de descarga es del sitio de la planta a Willis Creek desde allí hasta Granger Lake. La TCEQ recibió esta solicitud el 2 de agosto de 2023. La solicitud para el permiso estará disponible para leerla y copiarla en Biblioteca pública de Georgetown, 402 W. 8th Street, Georgetown, Texas antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.564722,30.777777&level=18>

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

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

COMENTARIO PUBLICO / REUNION PUBLICA. Usted puede presentar

comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

OPORTUNIDAD DE UNA AUDIENCIA ADMINISTRATIVA DE LO CONTENCIOSO.

Después del plazo para presentar comentarios públicos, el Director Ejecutivo considerará todos los comentarios apropiados y preparará una respuesta a 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 de el solicitante indicado por nombre y número del permiso específico y/o (2) la lista de correo de todas las solicitudes en un condado específico. Si desea que se agrega su nombre en una de las listas designe cual lista(s) y envía por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

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 Cielo Gardens LP a la dirección indicada arriba o llamando a Mr. Michael Bevilacqua, P.E., Green Civil Design, LLC al 512-640-6590 extension 1003.

Fecha de emisión _____ *[Date notice issued]*



Engineering & Consulting

301 Denali Pass, Suite 3
Cedar Park, Texas 78613
(512) 640-6590

Texas Registered Engineering Firm F-17563

September 27, 2023

Texas Commission on Environmental Quality
Office of the Chief Clerk, MC 105
Attn: Notice Team
P.O. Box 13087
Austin, Texas 78711-3087

**Re: TPDES Permit Application
Cielo Gardens LP
Cielo Gardens WRF
WQ0016374001 (EPA ID: TX0144797)
CN: 606170173
RN: 111786497**

Notice Team,

The application for the above referenced permit was declared administratively complete on 9/13/2023. The 'Notice of Receipt and Intent' was published in the Austin American Statesman on 9/19/2023 and El Mundo (alternative language) on 9/21/2023. A copy of the application was placed in Georgetown Public Library on 9/19/2023. Attached to this letter are proofs of publication for both the Statesman and El Mundo, both Publisher's Affidavits, and the Public Notice Verification Form.

If you have any questions, or need additional information, please do not hesitate to contact us.

Sincerely,
Green Civil Design, LLC

Michael E. Bevilacqua, P.E.

March 28, 2024

Sonterra MUD
100 Congress Ave
Suite 1300
Austin, TX 78701

RE: Wastewater Service and Proposed TPDES Facility WQ0016374001 (Cielo Gardens LP)

To Whom It May Concern:

We are currently working on an application for a wastewater treatment facility discharge permit with an ultimate capacity of 0.9 million gallons per day (MGD) in Williamson County. TCEQ requires us to contact entities with a permitted plant or collection system within three (3) miles of our site. Your MUD boundary is within 3 miles of our proposed facility (1.5 miles to the southeast of your MUD boundary). Please let us know if you have willingness to and/or have the extra capacity in your facilities to accommodate this flow.

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

Respectfully submitted,



Michael E. Bevilacqua, P.E.

9589 0710 5270 0488 4256 51

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

Austin, TX 78701

Certified Mail Fee	\$4.40
Extra Services & Fees (check box, add fee as appropriate)	\$3.65
<input type="checkbox"/> Return Receipt (hardcopy)	\$0.00
<input type="checkbox"/> Return Receipt (electronic)	\$0.00
<input type="checkbox"/> Certified Mail Restricted Delivery	\$0.00
<input type="checkbox"/> Adult Signature Required	\$0.00
<input type="checkbox"/> Adult Signature Restricted Delivery	\$0.00
Postage	\$0.68
Total Postage and Fees	\$8.73



Sent To Sonterra Mud
Street and Apt. No., or PO Box No. 100 Congress Ave, Suite #1300
City, State, ZIP+4 Austin, TX 78701

Mike Bevilacqua

From: Mike Bevilacqua
Sent: Monday, May 6, 2024 8:38 AM
To: Shaun Speck
Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

Ok great, sounds good. Thanks.

Michael E. Bevilacqua, P.E.
Senior Project Manager

Green Civil Design
A Baxter & Woodman Company
Direct: 737-358-8103
Cell: 512-568-9974
301 Denali Pass, Suite #3
Cedar Park, TX 78613
TBPELS Registration No. F-21783

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From: Shaun Speck <Shaun.Speck@tceq.texas.gov>
Sent: Monday, May 6, 2024 8:37 AM
To: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

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Great, thank you for the reminder. The permit has been drafted and must go through peer review; you can expect a draft for your review within the next 2-3 weeks.

Best,
Shaun Speck
Municipal Permits Team, MC-148
Wastewater Permitting Section
Water Quality Division, TCEQ
12100 Park 35 Circle, Austin, Texas 78753
Phone: 512-239-4549
Email: shaun.speck@tceq.texas.gov



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Fill out our online customer satisfactory survey at
<https://www.tceq.texas.gov/customersurvey>

For status of permit, visit www.tceq.texas.gov/goto/cid.
The application forms have been updated (01/09/2024) on our [website](#).

From: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Sent: Monday, May 6, 2024 8:35 AM
To: Shaun Speck <Shaun.Speck@tceq.texas.gov>
Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

Shaun,

We still have not received a response from Sonterra MUD as of this morning. The 30-day period past on Saturday the 4th. Let me know if you have any questions or need anything else from me.

Thanks

Michael E. Bevilacqua, P.E.
Senior Project Manager

Green Civil Design
A Baxter & Woodman Company
Direct: 737-358-8103
Cell: 512-568-9974
301 Denali Pass, Suite #3
Cedar Park, TX 78613
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From: Shaun Speck <Shaun.Speck@tceq.texas.gov>
Sent: Monday, April 29, 2024 3:05 PM
To: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

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Mr. Bevilacqua,

After discussing the provided information with the acting team lead (Alfonso Martinez), he told me he is comfortable allowing four phases for this application considering the beginning date of the Final phase is almost within ten years. Please email me on the 4th to confirm whether a response was received from Sonterra MUD (the email will be kept with the application record).

Thank you for attention to this matter and have a great rest of your day.

Shaun Speck
Municipal Permits Team, MC-148
Wastewater Permitting Section
Water Quality Division, TCEQ
12100 Park 35 Circle, Austin, Texas 78753
Phone: 512-239-4549

Email: shaun.speck@tceq.texas.gov



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For status of permit, visit www.tceq.texas.gov/goto/cid.

The application forms have been updated (01/09/2024) on our [website](#).

From: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>

Sent: Monday, April 29, 2024 2:11 PM

To: Shaun Speck <Shaun.Speck@tceq.texas.gov>

Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

The interim 3 phase is exceeded within 10 years, meaning we need to go to final phase within 10 years. I can provide an updated flow projections if needed but we do not want to reduce our final phase flow of 0.90 MGD. If we can only get 3 phases and not 4 we can update the flow projects and request accordingly.

Michael E. Bevilacqua, P.E.
Senior Project Manager

Green Civil Design
A Baxter & Woodman Company
Direct: 737-358-8103
Cell: 512-568-9974
301 Denali Pass, Suite #3
Cedar Park, TX 78613
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From: Shaun Speck <Shaun.Speck@tceq.texas.gov>

Sent: Monday, April 29, 2024 2:02 PM

To: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>

Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

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Okay great, thank you for the response. If possible, please try and reach out to the rep of Sonterra MUD to see if a response can be expedited. If not, waiting until the 4th is fine, but please reach out via email to inform me that the 30 days has ended.

As far as the four phases go, I have never approved of a 14-year build out schedule, that is way too speculative in my opinion. The max I have been instructed to allow is ten years. I will present all this information to senior staff and see if they will allow an exception.

Best,

Shaun Speck

Municipal Permits Team, MC-148
Wastewater Permitting Section
Water Quality Division, TCEQ
12100 Park 35 Circle, Austin, Texas 78753
Phone: 512-239-4549
Email: shaun.speck@tceq.texas.gov



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From: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Sent: Monday, April 29, 2024 1:48 PM
To: Shaun Speck <Shaun.Speck@tceq.texas.gov>
Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

Hi Shaun,

My apologies. First, the service request letter and certified mail receipt is attached. Please note by the time the Owner approved sending out the letter it was 4/4/2024. 30-days from that will be this Saturday, 5/4/2024. We have not heard back from the MUD as of the time of this e-mail.

Regarding 4 phases, we have requested and been granted 4 phases on other permits (WQ0016059001, WQ0016229001, WQ0016391001) and would like to do the same on this permit. We would like to have 4 phases in lieu of 3 because we believe it provides us flexibility and protects against excess capital expenditures in the early phases of development, especially with the near-term uncertainty in market conditions and interest rates. We're confident in reaching the full build-out flow conditions within the timeframe given in Attachment P but would like the flexibility in the interim phases.

Let me know if you have any questions or need anything else from me. I can follow up in a week on 5/6/2024 (next business day from 5/4/2024) and let you know if we heard back.

Michael E. Bevilacqua, P.E.
Senior Project Manager

Green Civil Design
A Baxter & Woodman Company
Direct: 737-358-8103
Cell: 512-568-9974
301 Denali Pass, Suite #3
Cedar Park, TX 78613
TBPELS Registration No. F-21783

From: Shaun Speck <Shaun.Speck@tceq.texas.gov>
Sent: Monday, April 29, 2024 10:03 AM
To: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

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Good morning,

Friendly reminder, the deadline for the NOD has passed. Please respond to this email at your earliest convenience but no later than **COB 05/01/2024**. to prevent further delays in the processing of your application.

Thank you,

Shaun Speck
Municipal Permits Team, MC-148
Wastewater Permitting Section
Water Quality Division, TCEQ
12100 Park 35 Circle, Austin, Texas 78753
Phone: 512-239-4549
Email: shaun.speck@tceq.texas.gov



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The application forms have been updated (01/09/2024) on our [website](#).

From: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Sent: Wednesday, March 27, 2024 1:58 PM
To: Shaun Speck <Shaun.Speck@tceq.texas.gov>
Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

Got it. Thanks.

Michael E. Bevilacqua, P.E.
Senior Project Manager

Green Civil Design
A Baxter & Woodman Company
Direct: 737-358-8103
Cell: 512-568-9974
301 Denali Pass, Suite #3
Cedar Park, TX 78613

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From: Shaun Speck <Shaun.Speck@tceq.texas.gov>
Sent: Wednesday, March 27, 2024 1:58 PM
To: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

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Afternoon,

No, the date of April 27th is correct. We must allow the facility/CCN being contacted 30 days to respond to your request, that is why I allotted so much time. If after 30 days no response is received, then we can move forward as if they had refused the service request. I hope this answers your question. Feel free to reach out if any more come up.

Thank you,

Shaun Speck
Municipal Permits Team, MC-148
Wastewater Permitting Section
Water Quality Division, TCEQ
12100 Park 35 Circle, Austin, Texas 78753
Phone: 512-239-4549
Email: shaun.speck@tceq.texas.gov



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For status of permit, visit www.tceq.texas.gov/goto/cid.
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From: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Sent: Wednesday, March 27, 2024 1:51 PM
To: Shaun Speck <Shaun.Speck@tceq.texas.gov>
Subject: RE: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

Shaun,

I'm working on all this and waiting on Owner's blessing to send the service letter request. You had a deadline of April 27th in your e-mail which is a month from now. Just wanted to make sure it wasn't intended for today, March 27th. If it was, can we have until end of next week to respond?

Michael E. Bevilacqua, P.E.

Senior Project Manager

Green Civil Design

A Baxter & Woodman Company

Direct: 737-358-8103

Cell: 512-568-9974

301 Denali Pass, Suite #3

Cedar Park, TX 78613

TBPELS Registration No. F-21783

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From: Shaun Speck <Shaun.Speck@tceq.texas.gov>

Sent: Monday, March 25, 2024 10:03 AM

To: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>

Subject: Notice of Deficiency- Proposed TPDES No. WQ0016374001 - Cielo Gardens LP

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Dear Mr. Bevilacqua,

Thank you for the new application for the subject permit received on August 2, 2023. The application is currently under technical review, and the following items must be addressed before the application is considered technically complete. Please send me the below information (preferably via email) as soon as possible, but no later than **COB April 27, 2024** to complete the technical review in a timely manner. Applicants are required to respond to the Notice of Deficiency in a timely manner. Please give me a call if you have any questions or comments.

Domestic Technical Report 1.0:

1. Section 1A – We do not normally accept more than three phases for domestic wastewater facilities unless a sufficient justification is provided as to why four phases are needed as opposed to the max of three phases. Please provide a detailed statement (with supporting evidence if necessary to justify the need for four phases. If sufficient justification is provided and deemed sufficient by senior staff, we may be able to grant four phases. If proper reasoning/justification is not provided, the corresponding attachments (flow diagram, treatment process, justification etc...) will need to be updated to reflect a three-phase permit (a list of the requested revisions can be provided if requested).

Domestic Technical Report 1.1 (DTR 1.1):

2. Section 1B3 – Regionalization of facilities: Nearby WWTPs or collection systems. It was mentioned that there are no collection systems within a three-mile radius of the proposed facility. However, there is a sewer CCN about 1.5 miles away from the proposed outfall coordinates (30.777900, -97.564600). Please see the attached screenshot from the Public Utility Commission's CCN viewer for reference. Please send a certified letter (with mail certificate) to the Sonterra MUD to see if they currently have the capacity to accept or are willing to expand to accept the volume of wastewater proposed in the application. In addition, please send a revised DTR 1.1 Section 1B3 reflect the presence of the nearby sewer CCN.

Please note that the TCEQ may request additional information as necessary to aid in drafting an accurate and representative permit. Feel free to contact me if you have any questions.

Thank you,

Shaun Speck

Municipal Permits Team, MC-148

Wastewater Permitting Section

Water Quality Division, TCEQ

12100 Park 35 Circle, Austin, Texas 78753

Phone: 512-239-4549

Email: shaun.speck@tceq.texas.gov

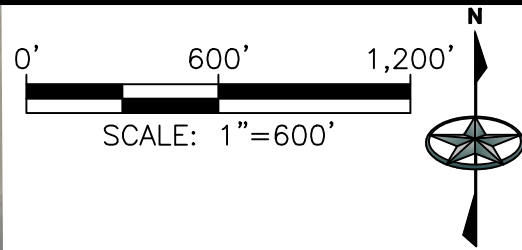


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For status of permit, visit www.tceq.texas.gov/goto/cid.



APPLICANT'S PROPERTY
AND
WWTP BOUNDARY

150-FT BUFFER ZONE

DISCHARGE POINT

SEE SHEET 2
FOR ZOOMED IN
AREA.

3898.8 3617.2

700.7

9.9

910.3

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FILE: ATTACHMENT F - BUFFER ZONE.dwg TAB: OVERALL PLOTTED: 5/1/2024 11:20 AM BY: MIKE BEVILACQUA



Green Civil Design

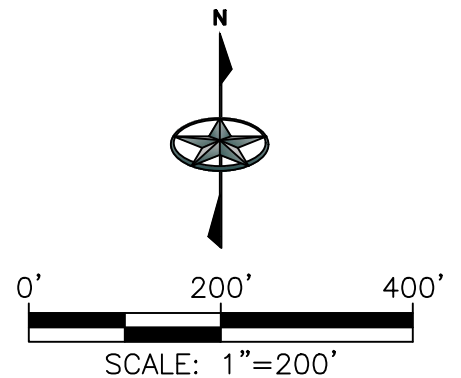
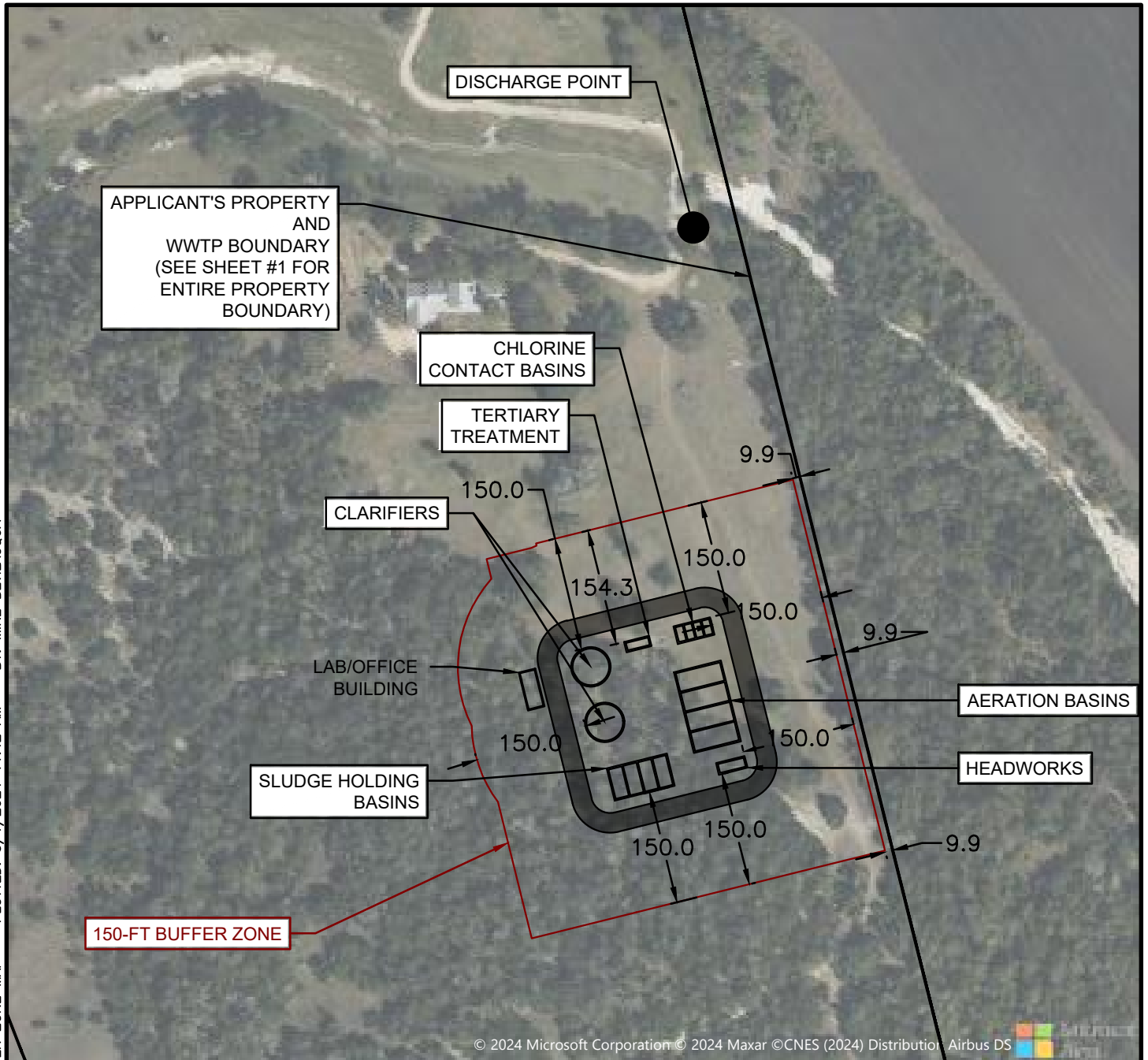
a **BAXTER & WOODMAN** company

301 DENALI PASS DR., SUITE 3
CEDAR PARK, TEXAS 78613
(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21763

CIELO GARDENS L.P. CIELO GARDENS TCEQ PERMIT

ATTACHMENT F - BUFFER ZONE OVERALL (SHEET 1 OF 2)

FILE: ATTACHMENT F - BUFFER ZONE.dwg TAB: ATTACHMENT F - BUFFER ZONE MAP PLOTTED: 5/1/2024 11:42 AM BY: MIKE BEVILACQUA



Green Civil Design
a **BAXTER & WOODMAN** company
301 DENALI PASS DR., SUITE 3
CEDAR PARK, TEXAS 78613
(281)350-7027
TEXAS REGISTERED ENGINEERING FIRM F-21783

CIELO GARDENS L.P.
CIELO GARDENS TCEQ PERMIT

ATTACHMENT F - BUFFER ZONE MAP (SHEET 2 OF 2)

Mike Bevilacqua

From: Mike Bevilacqua
Sent: Wednesday, May 1, 2024 12:01 PM
To: Shaun Speck
Subject: RE: Notice of Deficiency- proposed TPDES No. WQ0016374001- Cielo Gardens, LP

No worries. I understand. We'll take out the UV option and just keep the chlorination and dechlorination.

Michael E. Bevilacqua, P.E.
Senior Project Manager

Green Civil Design
A Baxter & Woodman Company
Direct: 737-358-8103
Cell: 512-568-9974
301 Denali Pass, Suite #3
Cedar Park, TX 78613
TBPELS Registration No. F-21783

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From: Shaun Speck <Shaun.Speck@tceq.texas.gov>
Sent: Wednesday, May 1, 2024 11:59 AM
To: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>
Subject: RE: Notice of Deficiency- proposed TPDES No. WQ0016374001- Cielo Gardens, LP

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Great, thank you so much, I was having trouble understanding the deed language. This works great, and I can include both attachments in the draft.

On a separate note, I will be sending another email regarding dechlorination requirements and selection of a disinfection method. I recently tried drafting a permit that allowed the permittee flexibility with UV or chlorine, but it was taken out in peer review. My team leader informed me that we are no longer allowed to offer both options, and that a method must be selected prior to issuance. I apologize for any inconvenience this may cause. This permit action was reassigned from another permit writer and I know there have already been significant delays. This will be the last item that needs to be addressed, everything else is sufficient and the draft will be sent over to you as soon as the disinfection method is worked out. I appreciate your patience with this process, and your timely responses. In my other email, I have included my team leaders email address, and you are more than welcome to reach out to him if you have any concerns or would like to discuss why the disinfection flexibility is no longer permitted.

Sincerely,
Shaun Speck
Municipal Permits Team, MC-148
Wastewater Permitting Section
Water Quality Division, TCEQ
12100 Park 35 Circle, Austin, Texas 78753
Phone: 512-239-4549

Email: shaun.speck@tceq.texas.gov



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From: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>

Sent: Wednesday, May 1, 2024 11:47 AM

To: Shaun Speck <Shaun.Speck@tceq.texas.gov>

Subject: RE: Notice of Deficiency- proposed TPDES No. WQ0016374001- Cielo Gardens, LP

Shaun,

Cielo Gardens L.P. is the applicant and they also own the entire tract of land where the WWTP is located and where the buffer zone falls. They control/own all the land. Attachment B of the application includes the wilco parcel map and the deed to show proof of ownership.

Attached is the buffer zone map that was submitted with the application, labeled "Attachment F_OLD". I've attached a new PDF called "Attachment F_UPDATED" which now includes an overall exhibit to help orient where we are on the site. The entire parcel is 151-acres but the plant site and buffer zone fall within a small portion of that. I think it's clearer to have these two exhibits versus one.

Hopefully this answers your questions. Let me know if you need anything else.

Michael E. Bevilacqua, P.E.
Senior Project Manager

Green Civil Design
A Baxter & Woodman Company
Direct: 737-358-8103
Cell: 512-568-9974
301 Denali Pass, Suite #3
Cedar Park, TX 78613
TBPELS Registration No. F-21783

This email and any attachments are confidential and are intended solely for the use of the intended addressee(s). If you have received this email in error, please notify the sender immediately or call 815.459.1260 and delete this email. If you are not the intended recipient(s), any use, retention, dissemination, forwarding, printing, or copying of this e-mail is strictly prohibited. The integrity and security of this message cannot be guaranteed on the Internet. Thank You.

From: Shaun Speck <Shaun.Speck@tceq.texas.gov>

Sent: Monday, April 29, 2024 4:26 PM

To: Mike Bevilacqua <mbevilacqua@baxterwoodman.com>

Subject: Notice of Deficiency- proposed TPDES No. WQ0016374001- Cielo Gardens, LP

Mr. Bevilacqua,

Sorry to bring this to you now after having settled the previous matter. I was looking through the application and noticed that in the Administrative Report 1.1 Section 3, the application states that the buffer zone requirements are being met by ownership, and in the DTR 1.0 the application states that the buffer zone is met via deed (legal restrictions). I read through the deed and there is nothing that I can explicitly discern that specifies restrictions for residential developments in the required buffer zone area. Would you help me understand how the buffer zone requirements are being met by this deed (a detailed buffer zone map would be most helpful)? Additionally, the buffer zone map was not provided. According to the table of contents provided in your application Attachment E should have been the buffer zone map. However, the map provided was the photo plot map. It is possible that the attachment was misplaced in transit to my desk. If so, would you please provide the missing attachment, if the photo plot map was provided as the buffer zone map, that will not be sufficient. The below excerpt is from the TCEQ-10053ins document and outlines what is required for the buffer zone map. Please respond to this email at your earliest convenience but no later than COB 05/03/2024.

“The buffer zone map is used to show how the applicant will comply with the requirements of *30 TAC § 309.13(e)*. This part of the regulations pertains to abating and controlling nuisance odor conditions from wastewater treatment facilities. The buffer zone, either 150 or 500 feet from the treatment units (depending on the type of treatment unit, see below) can be met by ownership, legal restrictions preventing residential structures within the buffer zone, an approved nuisance odor prevention plan, or a variance to the buffer zone.

Ownership means that the applicant owns all the land surrounding the treatment units that fall within the buffer zone. The other three alternatives pertain to the portion of the buffer zone that is not owned by the applicant...

Legal restrictions are legal documents such as a deed recorded easement that prohibit residential structures within the part of the buffer zone that is not owned by the applicant....

The buffer zone map submitted as part of the application will become part of the permit if the applicant does not own the required buffer zone; therefore, please provide the buffer zone map on 8.5 by 11-inch paper. **It is very important that the map be accurate and clearly labeled.** The buffer zone map must clearly show the following information: (Please label each item on the map)

- the applicant’s property boundaries
- each treatment unit and the distance in feet from each treatment unit to the applicant’s property boundaries
- the required buffer zone (500 feet for lagoons with zones of anaerobic activity, 150 feet for all other treatment units)
- If the buffer zone is not owned by the applicant, the map must show the distance in feet the buffer zone extends into all surrounding property.

*There are two example buffer zone maps provided in TCEQ-10053ins document.

Please let me know if you have any questions. Normally the buffer zone map check is a part of the admin review, and not the technical, but it appears that the admin reviewer might’ve missed it.

Best,

Shaun Speck

Municipal Permits Team, MC-148
Wastewater Permitting Section
Water Quality Division, TCEQ
12100 Park 35 Circle, Austin, Texas 78753
Phone: 512-239-4549
Email: shaun.speck@tceq.texas.gov



How is our Customer Service?
Fill out our online customer satisfactory survey at
<https://www.tceq.texas.gov/customersurvey>

*For status of permit, visit www.tceq.texas.gov/goto/cid.
The application forms have been updated (01/09/2024) on our [website](#).*

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for the latest...

Beer/Liquor Licenses

Application has been made with the Texas Alcoholic Beverage Commission for a Wine Only Package Store Permit by Snag Delivery, Inc. dba SNAG to be located at 2522 Guadalupe Street, Austin, Travis County, Texas. Jacob Duijser, President and Mason Cohen Secretary.
July 18, 19, 2024

Bids & Proposals

Bids and Proposals
Full Line Grocery, Milk, Fresh Bread, Fresh Produce & Fresh Meat Deliveries, Sanitation Systems. New Horizons Ranch & Center, 850 FM 574 West, Goldthwaite, TX 76844, is soliciting proposals and/or bids for full line grocery, milk delivery, fresh bread delivery, fresh produce delivery, fresh meat delivery & sanitation systems. Information for all required RFP documents, including but not limited to terms and conditions, detailed specifications, technical requirements, evaluation, method/criteria, award process, method of payment, for more information write to Tim Clendenen, PO Box 549, Goldthwaite, TX 76844 or email @ tim.clendenen@newhorizonsinc.com Bids close on 8.15.2024
July 12, 19 2024
LACO0127533

AUSTIN COMMUNITY COLLEGE (ACC) DISTRICT is requesting proposals from interested or qualified firms for the purposes of selecting a respondent to provide roof repair and preventative maintenance for the following solicitation.

- Request for Proposals (RFP) No. 910-24-216-00-M-AB-RFP

All sealed proposals must be submitted to the Procure to Pay (P2P) Department by no later than on Thursday, August 1, 2024 at 12:00 PM, Central Standard Time (CST). See solicitation for details.

Solicitation documents are available on the ACC P2P's website at:
• <https://offices.austinncc.edu/proucurement/advertised-solicitations/> or at
• <https://us.workdayspend.com/rfps/public/671886>

If you are not able to view this solicitation, please send an email to the Buyer/Sole Point of Contact for the solicitation as soon as possible.

SOLE POINT OF CONTACT:
• Anthony Barron, Buyer
• Email: anthony.barron@austinncc.edu
• Telephone Number: (512) 223-1039

Only electronically transmitted responses will be accepted by the date and time indicated above, unless otherwise stated in the solicitation documents.

ACC will host an optional solicitation conference on July 23, 2024 at 9:00 a.m., CST via Zoom Virtual Meeting. See solicitation documents for details.
10373915 7/12 7/19/24

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BASTROP COUNTY, TEXAS -- PUBLIC HEARING NOTICE REGARDING SUBMITTED PETITION FOR CREATION OF BASTROP COUNTY EMERGENCY SERVICES DISTRICT NO. 3
Pursuant to Chapter 775 of the Texas Health and Safety Code and other authority, Bastrop County, Texas ("County"), by and through its governing body, the Bastrop County Commissioners Court ("Commissioners Court"), and by and through the undersigned Bastrop County Clerk, gives notice that a certain petition ("Petition") requesting the creation of the proposed BASTROP COUNTY EMERGENCY SERVICES DISTRICT NO. 3 was submitted to the County by certain petitioners, the Petition was filed with the County Clerk of Bastrop County on June 7, 2024, and the Petition remains active and subject to action (granting or denial)

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by the Commissioners Court as required by law. Please note the following regarding this matter:
(1) The Petition may be inspected and copied by the public at the business office of the Hon. Krista Bartsch, the Bastrop County Clerk, located at 803 Pine Street, Bastrop, Texas 78602 (telephone 512-332-7234).
(2) Regarding the active Petition now pending before the Commissioners Court requesting the creation of the proposed BASTROP COUNTY EMERGENCY SERVICES DISTRICT NO. 3, a public meeting of the Commissioners Court will occur starting at 9:00 a.m. on August 12, 2024, and at said meeting a public hearing will occur regarding said Petition starting at 9:30 a.m., with said public meeting and public hearing to be conducted in the Bastrop County Commissioners Courtroom, 2nd Floor, at 804 Pecan Street, Bastrop, Texas 78602, in order for the Commissioners Court to consider the granting or denial of the Petition in accordance with the requirements of the law, including the applicable requirements of Chapter 775 of the Texas Health and Safety Code and other authority.
(3) Regarding the active Petition now pending before the Commissioners Court, please note of the following: (a) that creation of the BASTROP COUNTY EMERGENCY SERVICES DISTRICT NO. 3 is proposed; (b) that the district is to be created and is to operate under Article 111, Section 48-e, of the Texas Constitution, as proposed by S.J.R. No. 27, Acts of the 70th Legislature, Regular Session, 1987, and adopted by the voters at an election held November 3, 1987; (c) that the name of the proposed district is the BASTROP COUNTY EMERGENCY SERVICES DISTRICT NO. 3; (d) that the district's boundaries as stated in the Petition are to be coextensive with the boundaries of Bastrop County, Texas; (e) as described above, that the hearing will occur at 9:30 a.m. on August 12, 2024 during the public meeting of the Bastrop County Commissioners Court held on that date (said public meeting to begin at 9:00 a.m.), with said public meeting and public hearing to be conducted in the Bastrop County Commissioners Courtroom, located at 804 Pecan Street, 2nd Floor, Bastrop, Texas 78602; and (f) that each person who has an interest in the creation of the district may attend the hearing and present grounds for or against creation of the district.
(4) Should you have questions regarding this matter, please contact during regular business hours the following County representatives: (a) Hon. Gregory Klaus, the Bastrop County Judge, at his business office address located at 804 Pecan Street, Bastrop, Texas 78602 (telephone 512-332-7201); and/or (b) the Hon. Krista Bartsch, the Bastrop County Clerk at her business office address and telephone number described in this public hearing notice.
(5) Please make plans to attend the public meeting and public hearing regarding the active Petition for the creation of the proposed BASTROP COUNTY EMERGENCY SERVICES DISTRICT NO. 3.

Hon. Krista Bartsch, County Clerk
Bastrop County, Texas
803 Pine Street
Bastrop, Texas 78602
(telephone 512-332-7234)

July 19 2024
LACO0130973

Notice of Public Hearing
The Bastrop County Commissioners Court will conduct a public hearing on Friday, July 26, 2024, starting at 10:00 a.m., at a special called meeting held at its regular scheduled meeting place to designate certain property located in Bastrop County as a "reinvestment zone" eligible for property tax abatement under Chapter 312, as amended, Texas Tax Code. The property is located generally western Bastrop County, Parcels 24749 and 8730476. The property is intended for use as a Commercial facility. In determining whether to designate the proposed reinvestment zone, the Commissioners Court will consider whether such designation is consistent with adopted guidelines and criteria for designation of such zones

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for Bastrop County, Texas and if such designation would attract major investment therein that would be a benefit to the property within such zone and would contribute to the economic development of the County. The public hearing will take place in the Commissioners Courtroom on the first floor of the Bastrop County Courthouse, 804 Pecan Street, Bastrop, Texas 78602. All interested persons may appear and present testimony regarding designation of the reinvestment zone. A map of the proposed reinvestment zone is available for public viewing at the Bastrop County Judge's office during normal business hours.
July 19 2024
LACO0131472

Public Notices

Texas Commission on Environmental Quality



NOTICE OF APPLICATION AND PRELIMINARY DECISION FOR TPDES PERMIT FOR MUNICIPAL WASTEWATER NEW

PERMIT NO. WQ0016374001

APPLICATION AND PRELIMINARY DECISION. Cielo Gardens LP, 3939 Bee Caves Road, Suite C100, West Lake Hills, Texas 78746, has applied to the Texas Commission on Environmental Quality (TCEQ) for new Texas Pollutant Discharge Elimination System (TPDES) Permit No. WQ0016374001, to authorize the discharge of treated domestic wastewater at a daily average flow not to exceed 900,000 gallons per day. TCEQ received this application on August 2, 2023. The facility will be located at 10620 Farm-to-Market Road 1105, in Williamson County, Texas 76537. The treated effluent will be discharged to Willis Creek, thence to Granger Lake in Segment No. 1247 of the Brazos River Basin. The unclassified receiving water uses are limited aquatic life use for Willis Creek, and high aquatic life use for Willis Creek (~ 0.36 miles downstream of CR 319). The designated uses for Segment No. 1247 are primary contact recreation, public water supply, and high aquatic life use. In accordance with 30 TAC § 307.5 and the TCEQ's Procedures to Implement the Texas Surface Water Quality Standards (June 2010), an antidegradation review of the receiving waters was performed. A Tier 1 antidegradation review has preliminarily determined that existing water quality uses will not be impaired by this permit action. Numerical and narrative criteria to protect existing uses will be maintained. A Tier 2 review has preliminarily determined that no significant degradation of water quality is expected in Willis Creek, which has been identified as having high aquatic life uses. Existing uses will be maintained and protected. The preliminary determination can be reexamined and may be modified if new information is received. This link to an electronic map of the site or facility's general location is provided as a public courtesy and is not part of the application or notice. For the exact location, refer to the application.
<https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.564722,30.777777&level=18>
The TCEQ Executive Director has completed the technical review of the application and prepared a draft permit. The draft permit, if approved, would establish the conditions under which the facility must operate. The Executive Director has made a preliminary decision that this permit, if issued, meets all statutory and regulatory requirements. The permit application, Executive Director's preliminary decision, and draft permit are available for viewing and copying at Georgetown Public Library, 402 West 8th Street, Georgetown, Texas. **ALTERNATIVE**

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LANGUAGE NOTICE. Alternative language notice in Spanish is available at <https://www.tceq.texas.gov/p/ermitting/wastewater/plain-language-summaries-and-public-notice>. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/p/ermitting/wastewater/plain-language-summaries-and-public-notice>.
PUBLIC COMMENT / PUBLIC MEETING. You may submit public comments or request a public meeting about this application. The purpose of a public meeting is to provide the opportunity to submit comments or to ask questions about the application. TCEQ holds 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 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 a contested case hearing or reconsideration of the Executive Director's decision. A contested case hearing is a legal proceeding similar to a civil trial in a 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 of 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.
EXECUTIVE DIRECTOR ACTION. The Executive Director may issue final approval of the application unless a timely contested case hearing request or request for reconsideration is filed. If a timely hearing request or request for reconsideration is filed, the Executive Director will not issue final approval of the permit and will forward the application and request to the TCEQ Commissioners for their consideration at a scheduled Commission meeting.
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

Public Notices

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. All written public comments and public meeting requests must be submitted to the Office of the Chief Clerk, MC 105, Texas Commission on Environmental Quality, P.O. Box 13087, Austin, TX 78711-3087 or electronically at www.tceq.texas.gov/goto/comment within 30 days from the date of newspaper publication of this notice.
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. Public comments and requests must be submitted either electronically at www.tceq.texas.gov/goto/comment, 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. Any personal information you submit to the TCEQ will become part of the agency's record; this includes email addresses. 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 Cielo Gardens LP at the address stated above or by calling Mr. Michael Bevilacqua, P.E., Green Civil Design, a Baxter & Woodman Company, at 737-358-8103.

Issuance Date: July 15, 2024
July 19, 2024 10389756

NOTICE OF PUBLIC SALE
Notice is hereby given by the U-Haul Company of North Austin of a public auction being held to satisfy a landlord's lien against delinquent tenants goods, online at www.storage-treasures.com **starting at or around 9:00AM on July 22, 2024 and concluding at or around 9:00AM on August 1, 2024** at the locations listed below. All contents sold as-is to the highest bidder. Items will be sold or otherwise disposed of. Goods to be sold may include but are not limited to: General household goods, electronics, office and business equipment, furniture, clothing, automotive parts, bikes, books, boxes and other miscellaneous items.
U-Haul Company of North Austin reserves the right to refuse any and all bids and to withdraw any or all units from the sale at any time without notice. Acceptable payment methods are cash or debit card. All items **MUST** be removed within 48-hours. Additional terms apply. The following are hereby notified of the online sale for units at the following locations:
U-Haul Moving & Storage of Pflugerville, 1617 Three Points Rd, Pflugerville, TX 78660
barry perry
barry iackson
Aletrice Jones
Christian Lima
krista kay
ryan yama
Brittany HESS
Kalvin Green
alice sneed
JON WILLARD
Elvin Gibson
RODNEY BOATNER
Joseph Gibson-Gonzalez
Mario Maldonado
tedd williams
teshina grant
MYRON BALDWIN
Teirstyn Carroll
Ronna Holmes
Timisha Williams
Jessica Jackson
Nicole Jackson
Tarnetha Griffin
Edmond Lozano
Danielle Cox
U-Haul Moving & Storage at Steeds Crossing, 20607 FM Rd 685, Pflugerville, TX 78660
Nysha Hill
SHERRY THOMPSON
Sharlotte Herring

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JAMIE HUMPHRIES
MOE HALLAK
RONNIE BOWEN
Janice McWilliams
Tiffany Flowers
Jonathan Selvera
D'Aria Milligan
CHRISTOPHER SABATH
Colleen harkins
JERAMY BUCHANAN
Ashley Bailey
Rebecca Chaney
Jovany Jordan-Mceachron
IRENE M CASTANEDA
Jaquel Hays-Austin
David Felton
Eric Roberts
Kalvin Green
Mikayla Yauger
Nysha Hill
Bianca Smith
JAZMINE MURPHY
Princess Porter
U-Haul Moving & Storage of Cedar Park, 700 S Bell Blvd Cedar Park, TX 78613
Thomas Jones
Angel Rivera
Jesus ricky gonzalez
JOSHUA BIRD
karen vandergrieff
WILLIAM HORNE
Tretaneshon Garrett
DAVID FRANCIS
AXEL SIGMAR
U-Haul Moving & Storage at Hwy 620, 11320 Hwy 620 N, Austin, TX 78726
Christina Brunson
Andrea Clark
ISRAEL JAIMES
Ashokkumar Durairaijan
Christopher Mendoza
CESAR RODRIGUEZ
VALENCIANA
Jeffrey Davis
CESAR RODRIGUEZ
VALENCIANA
nichole heinemann
DARREL SLACK
DEARRAH GONZALES
STEPHANIE PETERSON
MARCUS MCWILLIAMS
Katelyn Wishner
MARCUS MCWILLIAMS
Christopher Garrett
Angie Tobin
Timothy Miller
Lana Sanders-Hughes
July 12, 19 2024
LACO0127504

PR-2020-01060 CITATION BY PUBLICATION
Juli Luke
Denton County Clerk
3900 Morse Street
Denton, TX 76208
Applicant's Attorney
Brandy Baxter-Thompson
500 N Akard Street Suite 2150
Dallas TX 75201
THE STATE OF TEXAS OF DENTON COUNTY
To any Sheriff or any Constable within the State of Texas:
You are hereby commanded to cause to be published; One Time (1), in a newspaper printed in Denton County, Texas, the following citation. To Tyler Spence Fain, and All Unknown Heirs, And/Or Persons Interested IN RE: ROBERT AND JO CAGLE REVOCABLE TRUST Cause No. PR-2020-01060 Probate Court #1 of Denton County
3900 Morse Street
Denton, TX 76208
Wells Fargo, Trustee of the Robert and Jo Cagle Revocable Trust, Petitioner, in the above numbered and styled estate filed a First Amended Original Petition for Declaratory Judgment on the 27th day of November, 2023. Said Application will be subject to be heard and acted on by said Court at any call of the docket on or after the first Monday after the expiration of ten days of the date of this publication of this notice. Accordingly, any objections, intervention, or response must be filed with the clerk of the above Court in writing at or before the above referenced time and date.
All persons interested in said estate are hereby cited to appear before said Honorable Court at or before said above mentioned date and place by filing a written answer contesting such application should they desire to do so. Said written contest or answer should be filed in the County Clerk's Office, Probate Court #1, in the city of Denton, County of Denton, Texas. The officer executing this citation shall promptly serve the same according to requirements of law, and the mandates hereof, and make due return as the law directs.
ISSUED UNDER MY HAND AND SEAL OF SAID COURT at office in Denton, Texas, on this the 26th day of June, 2024.
JULI LUKE
County Clerk, Denton County, Texas
BY: /s/Summer Greer, Deputy Clerk
7/19/24 10390620

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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. W00014377001

SOLICITUD. La Autoridad del Río Guadalupe-Blanco, 2225 East Common Street, New Braunfels, Texas 78130, ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) para modificar el Permiso No. W00014377001 (EPA I.D. No. TX0125288) del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) autorizar la reubicación de los tres emisarios, añadiendo una nueva fase intermedia de 1,375,000 y aumentando el caudal a través del emisario 002. La planta está ubicada en 1431 Saltentville Road, Buda, en el Condado de Hays, Texas. La ruta de descarga del sitio de la planta a través del emisario 001 a un afluente sin nombre, de allí a una serie de estanques de aguas pluviales, de allí al embalse del sitio 10 del Servicio de Conservación de Suelos (SCS), de allí a Brushy Creek, a través del emisario 002 al embalse del sitio 10 de SCS, de allí a Brushy Creek, a través del emisario 003 a una zanja sin nombre, de allí a un afluente sin nombre, de allí al embalse del sitio 11 de SCS, de allí a un afluente sin nombre, de allí a todos los emisarios al embalse del sitio 12 del SCS, de allí a Brushy Creek, de allí al embalse del sitio 14 del SCS, de allí al arroyo Brushy, de allí a Plum Creek. La TCEQ recibió esta solicitud el 11 de octubre de 2023. La solicitud para el Permiso estará disponible para leerla y copiarla en Biblioteca Pública de Buda, 405 East Loop Street, Buda, Texas, antes de la fecha de publicación de este aviso en el periódico. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.797222,30.061666&level=18>

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 emitir una Decisión Preliminar sobre la solicitud. El **aviso de la solicitud y la decisión preliminar serán publicados y enviados a los que están en la lista de correo de las personas a lo largo del camino 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 PÚBLICO / REUNIÓN PÚBLICA. Usted puede presentar comentarios públicos o pedir una reunión pública sobre esta solicitud. El propósito de una reunión pública es dar la oportunidad de presentar comentarios o hacer preguntas acerca de la solicitud. La TCEQ realiza una reunión pública si el Director Ejecutivo determina que hay un grado de interés público suficiente en la solicitud o si un legislador local lo pide. Una reunión pública no es una audiencia administrativa de lo contencioso.

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

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] solicitamos/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 represente 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 por qué 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 envía comentarios públicos, un pedido para una audiencia administrativa de lo contencioso o una reconsideración de la decisión del Director Ejecutivo, la Oficina del Secretario Principal enviará por correo los avisos públicos en relación con la solicitud. Además, puede pedir que la TCEQ ponga su nombre en una o más de las listas de correo siguientes: (1) la lista de correo permanente para recibir los avisos de la solicitud 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 envíe por correo su pedido a la Oficina del Secretario Principal de la TCEQ.

CONTACTOS E INFORMACIÓN A LA AGENCIA. Todos los comentarios públicos y solicitudes deben ser presentados electrónicamente vía <http://www14.tceq.texas.gov/epic/Comment/> o por escrito dirigidos a la Comisión de Texas de Calidad Ambiental, Oficina 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 pasará 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 de la Autoridad del Río Guadalupe-Blanco a la dirección indicada arriba o llamando a Sra. Lauren Willis, Directora de Asuntos Gubernamentales y Comunitarios al 830-379-5822, extensión 312.

Fecha de emisión 18 de diciembre 2023

COMISIÓN DE CALIDAD AMBIENTAL DEL ESTADO DE TEXAS



AVISO DE LA SOLICITUD Y DECISIÓN PRELIMINAR PARA EL PERMISO DEL SISTEMA DE ELIMINACIÓN DE DESCARGAS DE CONTAMINANTES DE TEXAS (TPDES) PARA AGUAS RESIDUALES MUNICIPALES

PERMISO PROPUESTO NO. W00016374001

SOLICITUD Y DECISIÓN PRELIMINAR. Cielo Gardens LP, 3939 Bee Caves Road, Suite C100, West Lake Hills, Texas 78746 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) por un nuevo Permiso No. W00016374001 del Sistema de Eliminación de Descargas de Contaminantes de Texas (TPDES) para la descarga de aguas residuales domésticas tratadas a un caudal medio diario que no exceda de 900,000 galones por día. La TCEQ recibió esta solicitud el 2 de agosto de 2023.

La planta estará ubicada en 10620 Farm-to-Market Road 1105 en el Condado de Williamson, Texas 76737. El efluente tratado será descargado al Willis Creek y de allí a Granger Lake en el Segmento No. 1247 de la Cuenca del Brazos. Los usos del agua receptora no clasificados son usos limitados para la vida acuática de Willis Creek y alto uso de vida acuática para Willis Creek (-0.36 millas aguas abajo del CR 319). El designado los usos del Semento No. 1247 son recreación de contacto primario, suministro público de agua y alta vida acuática usar. De acuerdo con la 30 TAC §307.5 y los procedimientos de implementación de la TCEQ (Enero 2010) para las Normas Superficiales en Texas, fue realizada una revisión de la antedegradación de las aguas recibidas. Una revisión de antedegradación del Nivel 1 ha determinado preliminarmente que los usos de la calidad del agua existente no serán perjudicados por la acción de este permiso. Se mantendrá un criterio narrativo y número para proteger los usos existentes. Una revisión del Nivel 2 ha determinado preliminarmente que no se espera ninguna degradación significativa en Willis Creek, el cual se ha identificado que tiene altos usos en la vida acuática. Los usos existentes serán mantenidos y protegidos. La declaración preliminar puede ser reexaminada y puede ser modificada, si se recibe alguna información nueva. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-37.584229,30.777777&level=18>

El Director Ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. Si es aprobado, establecerá las condiciones bajo las cuales la instalación debe operar. El Director Ejecutivo ha tomado una decisión preliminar que si este permiso es emitido, cumple con todos los requisitos normativos y legales. La solicitud del permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para leer y copiar en Biblioteca Pública de Georgetown, 402 West 8th Street, Georgetown, TX. 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>

AVISO DE IDIOMA ALTERNATIVO. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>

COMENTARIO PÚBLICO / REUNIÓN PÚBLICA. 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 de la fecha límite para presentar comentarios públicos, el Director Ejecutivo considerará los comentarios y preparará una respuesta a todos los comentarios públicos relevantes y materiales, o significativos. A menos que la solicitud sea remitida directamente para una audiencia de caso impugnado, la respuesta a los comentarios se enviará por correo a todos los que enviaron comentarios públicos y a aquellas personas que estén en la lista de correo para esta solicitud. Si se reciben comentarios, el correo también proporcionará instrucciones para solicitar una audiencia de caso impugnado o reconsiderar la decisión del Director Ejecutivo. Una audiencia de caso impugnado es un procedimiento legal similar a un juicio civil en un tribunal de distrito estatal.

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] solicitamos/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 represente 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 por qué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Tras el cierre de todos los períodos de comentarios y solicitudes aplicables, el Director Ejecutivo remitirá la solicitud y cualquier solicitud de reconsideración o de una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración en 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.

ACCIÓN DEL DIRECTOR EJECUTIVO. El Director Ejecutivo puede emitir la aprobación final de la solicitud a menos que se presente una solicitud impugnada de caso impugnado oportunamente o una solicitud de reconsideración. Si se presenta una solicitud de audiencia oportuna o una solicitud de reconsideración, el Director Ejecutivo no emitirá la aprobación final del permiso y enviará la solicitud y la solicitud a los Comisionados de TCEQ para su consideración en una reunión programada de la Comisión.

LISTA DE CORREO. Si envía comentarios públicos, una solicitud de una audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se le agregará a la lista de correo de esta solicitud específica para recibir futuros avisos públicos enviados por correo por la Oficina del Secretario Oficial. Además, puede solicitar ser colocado en: (1) la lista de correo permanente para un nombre de solicitante específico y número de permiso; y/o (2) la lista de correo para un condado específico. Si desea ser colocado en la lista de correo permanente y / o del condado, especifique claramente qué lista (s) y envíe su solicitud a la Oficina del Secretario Oficial de la TCEQ a la dirección a continuación.


Todos los comentarios públicos escritos y las solicitudes de reunión pública deben enviarse a Office of the Chief Clerk, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o electrónicamente a www.tceq.texas.gov/gto/comment dentro de los 30 días a partir de la fecha de publicación de este aviso en el periódico.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios y solicitudes públicas deben enviarse electrónicamente a www.tceq.texas.gov/gto/comment, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a la TCEQ pasará a formar parte del registro de la agencia; esto incluye las direcciones de correo electrónico. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de TCEQ, línea gratuita, al 1-800-687-4040 o visite su sitio web en www.tceq.texas.gov/gto/pep. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Cielo Gardens LP a la dirección indicada arriba o llamando a Mr. Michael Bevilacqua, P.E., Green Civil Design, a Baxter & Woodman Company al 737-358-6103.

Fecha de emisión 15 de julio de 2024

COMISIÓN DE CALIDAD AMBIENTAL DEL ESTADO DE TEXAS



Aviso de Permiso Preliminar Federal de Operación y de Permiso Preliminar de Lluvia Ácida

Permiso Preliminar Número: 02079

Solicitud y Permiso Preliminar Hays Energy, LLC, 1601 Frances Harris Ln, San Marcos, TX 78666-8967, ha presentado una solicitud ante la Comisión de Calidad Ambiental de Texas (TCEQ, por sus siglas en inglés) para la renovación y revisión del Permiso Federal de Operación y Permiso de Lluvia Ácida (en adelante denominado el Permiso) número 02079. Solicitud núm. 35823, para autorizar la operación de la Hays Energy Facility, una central eléctrica de combustibles fósiles. El área a la cual se refiere la solicitud está ubicado en 1601 Frances Harris Ln en la ciudad de San Marcos, Condado de Hays, Texas 78666-8967. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-37.889444,29.780555&level=13>. Esta solicitud fue recibida por la TCEQ el 20 de octubre de 2023.

El propósito de un permiso federal de operación es mejorar el acatamiento general con las normas que gobiernan el control de la contaminación atmosférica, claramente definiendo todos los requisitos aplicables como están definidos en el Título 30 del Código Administrativo de Texas § 122.10 (30 TAC § 122.10, por sus siglas en inglés). El permiso preliminar, si es aprobado, codificará las condiciones bajo las cuales el área debe operar. El permiso no autorizará construcción nueva. El director ejecutivo ha concluido la revisión técnica de la solicitud y ha hecho una decisión preliminar para preparar el permiso preliminar para la revisión y comentario público. El director ejecutivo de la TCEQ recomienda la expedición de este permiso preliminar. La solicitud de permiso, la declaración de base y el permiso preliminar estarán disponibles para ser revisados y copiados en la Oficina Central de la TCEQ, 12100 Park 35 Circle, Building (Edificio) E, First Floor (primer Piso), Austin, Texas 78753, y en la Oficina Regional de Austin de la TCEQ, 12100 Park 35 Circle, Building (Edificio) A Room (Cuarto) 179, Austin, Texas 78753, y la San Marcos Public Library, 625 E Hopkins St, San Marcos, Texas 78666-6313, empezando el primer día de la publicación de este aviso. El permiso preliminar y la declaración de base están disponibles en el sitio de la TCEQ: www.tceq.texas.gov/gto/vnotice

En la oficina central y la oficina regional también puede revisar y copiar documentos pertinentes para el permiso preliminar, así como los permisos para la Evaluación de Nuevas Fuentes, que han sido incorporados por referencia. Cualquier persona que tenga dificultades obteniendo estos materiales debido a restricciones para viajar pueden comunicarse con la sala de archivos de la Oficina Central de la TCEQ al teléfono (512) 239-2900.

Comentarios Públicos/Audiencia de Aviso y Comentarios. Cualquier persona puede entregar comentarios públicos sobre el permiso preliminar. Comentarios relacionados a la exactitud, lo completo, y lo apropiado de las condiciones del permiso pueden resultar en cambios al permiso preliminar.

Una persona que podría ser afectada por la emisión de contaminantes atmosféricos del área del sitio del permiso puede solicitar una audiencia de aviso y comentarios. El propósito de la audiencia de notificación y comentarios es proporcionar una oportunidad adicional para entregar comentarios sobre el permiso preliminar. El permiso puede ser cambiado en función de los comentarios sobre si el permiso proporciona cumplimiento con el Título 30 del Código Administrativo de Texas, Capítulo 122 (ejemplos pueden incluir que el permiso no tiene todos los requisitos aplicables que correspondan o que no se cumplieron los procedimientos de aviso público). La TCEQ puede otorgar una audiencia de aviso y comentarios con respecto a esta solicitud si una petición por escrito es presentada dentro de los 30 días después de la publicación del anuncio en el diario. La solicitud de audiencia debe incluir la base de la solicitud, incluyendo una descripción de la persona que puede ser afectada por la emisión de contaminantes atmosféricos del área de la solicitud. La solicitud también debería especificar las condiciones del permiso preliminar que son inapropiados o especificar como la decisión preliminar para expedir o denegar el permiso es inapropiado. Todos los asuntos razonablemente verificables deben ser planteados y todos los argumentos razonablemente disponibles deben ser entregados a no más tardar al final del período de comentarios públicos. Si se concede una audiencia de aviso y comentario, todos los individuos que presentaron comentarios por escrito o una solicitud de audiencia recibirán confirmación por escrito de la audiencia. Esta confirmación indicará la fecha, hora y lugar de la audiencia.

Comentarios públicos por escrito y/o peticiones para una audiencia de aviso y comentarios deberían ser presentados a la Comisión de Calidad Ambiental (TCEQ), Oficina del Secretario Oficial (Office of the Chief Clerk), MC-105, P.O. Box 13087, Austin, Texas 78711-3087, o por internet al www14.tceq.texas.gov/epic/Comment/ y ser recibidos dentro de 30 días después de la fecha de publicación en el periódico de este aviso.

Favor de notar que cualquier información de contacto que proporcione, incluyendo su nombre, su número de teléfono, su correo electrónico, y su dirección de correo, formarán parte del archivo público de la agencia.

Un aviso de la acción final propuesta que incluye una respuesta a los comentarios y la identificación de cualquier cambio al permiso preliminar será enviado a todas las personas que hayan presentado comentarios públicos, una solicitud de audiencia o que hayan solicitado ser incluidos en la lista de correo con respecto a esta solicitud. Este envío de correo también proveerá instrucciones para hacer peticiones públicas a la Agencia de Protección Ambiental (EPA, por sus siglas en inglés), para solicitar que la EPA se oponga a la expedición del permiso, o para solicitar que la EPA se oponga a la expedición del permiso, o para solicitar que la EPA se oponga a la expedición de un permiso que no cumple con los requisitos aplicables o los requisitos del 30 TAC Capítulo 122.


Lista para Envío de Correo. Aparte de entregar comentarios públicos, una persona puede solicitar ser incluido en una lista para envío de correo con respecto a esta solicitud al enviar su petición a la Oficina del Secretario Oficial (Office of the Chief Clerk) a la dirección antes mencionada. Los que se encuentran en la lista para envío de correo recibirán copias de avisos públicos futuros (si hay) enviados por correo por el Secretario Oficial.

Información. Para más información con respecto a esta solicitud de permiso o el proceso de permisos, favor de contactar a la Texas Commission on Environmental Quality (Comisión de Calidad Ambiental de Texas), Public Education Program (Programa de Educación del Público), MC-108, P.O. Box 13087, Austin, Texas 78711-3087 o llamar sin cargo al 1-800-687-4040.

Puede obtener más información sobre Hays Energy, LLC llamando al Sr. Roderick Harger al (972) 507-0184.

Fecha de Expedición: 28 de junio de 2024

COMISIÓN DE CALIDAD AMBIENTAL DEL ESTADO DE TEXAS



AVISO DE LA SOLICITUD Y DECISIÓN PRELIMINAR PARA EL PERMISO DEL SISTEMA DE ELIMINACIÓN DE DESCARGAS DE CONTAMINANTES DE TEXAS (TPDES) PARA AGUAS RESIDUALES MUNICIPALES

PERMISO NO. W00016362001

SOLICITUD Y DECISIÓN PRELIMINAR. Williamson County Municipal Utility District No. 48 y Cathy Abbott Moore, 9 Greenway Plaza, Suite 1000, Houston, Texas 77046 ha solicitado a la Comisión de Calidad Ambiental del Estado de Texas (TCEQ) por un nuevo para autorizar el sistema de eliminación de descargas de contaminantes de Texas (TPDES) Permiso No. W00016362001, para autorizar la descarga de aguas residuales tratadas en un volumen que no sobrepasa un flujo promedio diario de 1,750,000 galones por día. La TCEQ recibió esta solicitud el 6 de junio de 2023.

La planta está ubicada en 2.5 milla al noreste de la intersección de Chandler Road e County Road 368 en el Condado de Williamson, Texas 78714. Este enlace a un mapa electrónico de la ubicación general del sitio o de la instalación es proporcionado como una cortesía y no es parte de la solicitud o del aviso. Para la ubicación exacta, consulte la solicitud. <https://gisweb.tceq.texas.gov/LocationMapper/?marker=-97.496111,30.628055&level=18>

El efluente tratado es descargado al San Gabriel/North Fork Rio de San Gabriel en el Segmento No. 1248 de la Cuenca del Río Brazos. Los usos no clasificados de las aguas receptoras son elevados usos de la vida acuática para Segmento No. 1248. Los usos designados para el Segmento No. 1248 son elevados uso de vida acuática; abastecimiento de agua potable.

De acuerdo con la 30 TAC §307.5 y los procedimientos de implementación de la TCEQ (Enero 2010) para las Normas de Calidad de Aguas Superficiales en Texas, fue realizada una revisión de la antedegradación de las aguas recibidas. Una revisión de antedegradación del Nivel 1 ha determinado preliminarmente que los usos de la calidad del agua existente no serán perjudicados por la acción de este permiso. Se mantendrá un criterio narrativo y número para proteger los usos existentes. Una revisión del Nivel 2 ha determinado preliminarmente que no se espera ninguna degradación significativa en Rio de San Gabriel/North Fork Rio de San Gabriel, el cual se ha identificado que tiene altos usos en la vida acuática. Los usos existentes serán mantenidos y protegidos. La determinación preliminar puede ser reexaminada y puede ser modificada, si se recibe alguna información nueva.

El Director Ejecutivo de la TCEQ ha completado la revisión técnica de la solicitud y ha preparado un borrador del permiso. Si es aprobado, establecerá las condiciones bajo las cuales la instalación debe operar. Una decisión preliminar que si este permiso es emitido, cumple con todos los requisitos normativos y legales. La solicitud del permiso, la decisión preliminar del Director Ejecutivo y el borrador del permiso están disponibles para leer y copiar en Taylor Public Library, 801 Vance Street, Taylor, Texas.

AVISO DE IDIOMA ALTERNATIVO. El aviso de idioma alternativo en español está disponible en <https://www.tceq.texas.gov/permitting/wastewater/plain-language-summaries-and-public-notices>

COMENTARIO PÚBLICO / REUNIÓN PÚBLICA. 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 de la fecha límite para presentar comentarios públicos, el Director Ejecutivo considerará los comentarios y preparará una respuesta a todos los comentarios públicos relevantes y materiales, o significativos. A menos que la solicitud sea remitida directamente para una audiencia de caso impugnado, la respuesta a los comentarios se enviará por correo a todos los que enviaron comentarios públicos y a aquellas personas que estén en la lista de correo para esta solicitud. Si se reciben comentarios, el correo también proporcionará instrucciones para solicitar una audiencia de caso impugnado o reconsiderar la decisión del Director Ejecutivo. Una audiencia de caso impugnado es un procedimiento legal similar a un juicio civil en un tribunal de distrito estatal.

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] solicitamos/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 represente 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 por qué el miembro sería afectado; y explicar cómo los intereses que el grupo desea proteger son pertinentes al propósito del grupo.

Tras el cierre de todos los períodos de comentarios y solicitudes aplicables, el Director Ejecutivo remitirá la solicitud y cualquier solicitud de reconsideración o de una audiencia de caso impugnado a los Comisionados de la TCEQ para su consideración en 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.

ACCIÓN DEL DIRECTOR EJECUTIVO. El Director Ejecutivo puede emitir la aprobación final de la solicitud a menos que se presente una solicitud de caso impugnado oportunamente o una solicitud de reconsideración. Si se presenta una solicitud de audiencia oportuna o una solicitud de reconsideración, el Director Ejecutivo no emitirá la aprobación final del permiso y enviará la solicitud y la solicitud a los Comisionados de TCEQ para su consideración en una reunión programada de la Comisión.

LISTA DE CORREO. Si envía comentarios públicos, una solicitud de una audiencia de caso impugnado o una reconsideración de la decisión del Director Ejecutivo, se le agregará a la lista de correo de esta solicitud específica para recibir futuros avisos públicos enviados por correo por la Oficina del Secretario Oficial. Además, puede solicitar ser colocado en: (1) la lista de correo permanente para un nombre de solicitante específico y número de permiso; y/o (2) la lista de correo para un condado específico. Si desea ser colocado en la lista de correo permanente y / o del condado, especifique claramente qué lista (s) y envíe su solicitud a la Oficina del Secretario Oficial de la TCEQ a la dirección a continuación.

Todos los comentarios públicos escritos y las solicitudes de reunión pública deben enviarse a Office of the Chief Clerk, MC 105, TCEQ, P.O. Box 13087, Austin, TX 78711-3087 o electrónicamente a www.tceq.texas.gov/gto/comment dentro de los 30 días a partir de la fecha de publicación de este aviso en el periódico.

CONTACTOS E INFORMACIÓN DE LA AGENCIA. Los comentarios y solicitudes públicas deben enviarse electrónicamente a www.tceq.texas.gov/gto/comment, o por escrito a Texas Commission on Environmental Quality, Office of the Chief Clerk, MC-105, P.O. Box 13087, Austin, Texas 78711-3087. Cualquier información personal que envíe a la TCEQ pasará a formar parte del registro de la agencia; esto incluye las direcciones de correo electrónico. Para obtener más información sobre esta solicitud de permiso o el proceso de permisos, llame al Programa de Educación Pública de TCEQ, línea gratuita, al 1-800-687-4040 o visite su sitio web en www.tceq.texas.gov/gto/pep. Si desea información en español, puede llamar al 1-800-687-4040.

También se puede obtener información adicional del Williamson County Municipal Utility District No. 48 a la dirección indicada arriba o llamando a Mr. Dallas Wendling, P.E., LIA Engineering, Inc. al 214-620-2800.

Fecha de emisión: 12 de junio de 2024

ABOGADO



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Semana del 18 - 24 de julio

Año 35 • 2024 • Número 29 Edición: Central Texas







desde 1989

GRATIS FREE

Directora: Ángela Angulo Publisher: Lucía Borrero de Angulo

TEMPORADA REGULAR





vs

SÁBADO JULIO 20 7:30PM

EN AUSTIN Q2







vs

SÁBADO JULIO 20 7:30PM

EN KANSAS CITY CHILDREN'S MERCY PARK





vs

SÁBADO JULIO 20 7:30PM

EN KANSAS CITY CHILDREN'S MERCY PARK







vs

VIERNES JULIO 26 8PM

EN AUSTIN Q2





vs

SÁBADO JULIO 27 9PM

EN SANTA CLARA LEVITS





vs

TCEQ-OFFICE OF THE CHIEF CLERK
MC-105 Attn: Notice Team
P.O. BOX 13087
AUSTIN, TX 78711-3087

APPLICANT NAME: Cielo Gardens LP
PERMIT NO.: WQ0016374001
CCO NO.: _____ Internal Use Only
NOTICE OF APPLICATION AND PRELIMINARY
DECISION

**PUBLISHER'S AFFIDAVIT
FOR ALL APPLICATIONS FOR WATER QUALITY PERMITS
OTHER THAN RENEWALS**

STATE OF WISCONSIN §
COUNTY OF Brown §

Before me, the undersigned authority, on this day personally appeared

Mariah Verhager, who being by me duly
(name of person representing newspaper)

sworn, deposes and says that (s)he is the Legal Clerk
(title of person representing newspaper)

of the Austin American Statesman; that this newspaper is
(name of newspaper)

regularly published or circulated in Williamson County/Countries, Texas,
(same county as proposed facility)

and that the enclosed notice was published in said newspaper on the following date(s):
July 19, 2024
(date or dates, of publication in the newspaper)

Mariah Verhager
Newspaper Representative's Signature

Subscribed and sworn to before me this the 19 day of July,
2024, to certify which witness my and seal of office.

(Seal)

Vicky Felty
Notary Public in and for the State of Wisconsin

Vicky Felty
Print or Type Name of Notary Public

My Commission Expires 9/19/25

VICKY FELTY
Notary Public
State of Wisconsin

TCEQ-OFFICE OF THE CHIEF CLERK
MC-105 Attn: Notice Team
P.O. BOX 13087
AUSTIN, TX 78711-3087

APPLICANT NAME: Cielo Gardens LP
PERMIT NO.: WO0016374001
CCO NO.: _____ Internal Use Only
NOTICE OF APPLICATION AND PRELIMINARY
DECISION

ALTERNATIVE LANGUAGE PUBLISHER'S AFFIDAVIT

STATE OF TEXAS §
COUNTY OF TRAVIS §

Before me, the undersigned authority, on this day personally appeared

Irma B. Portuondo, who being by me duly
(name of person representing newspaper)

sworn, deposes and says that (s)he is the Traffic Manager
(title of person representing newspaper)

of the El Mundo Newspaper; that this newspaper is
(name of newspaper)

generally circulated in Williamson County, Texas,
(same county as proposed facility)

and is published primarily in Spanish language;
(alternative language)

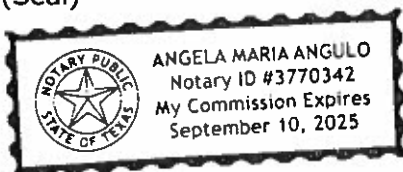
and that the enclosed notice was published in said newspaper on the following date(s):
July 18, 2024

(date or dates, of publication in the newspaper)

Irma B. Portuondo
Newspaper Representative's Signature

Subscribed and sworn to before me this the 18th day of July,
2024, to certify which witness my hand and seal of office.

(Seal)



Notary Public in and for the State of Texas

Angela Maria Angulo

Print or Type Name of Notary Public

My Commission Expires September 10, 2025



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Public Notice Verification Form
Notice of Application and Preliminary Decision
(NAPD)
Water Quality Permit

All applicants must complete this page.

Applicant Name: Cielo Gardens LP

Site or Facility Name: Cielo Gardens Water Reclamation Facility WWTP

Water Quality Permit Number: WQ0016374001

Regulated Entity Number: RN111786497 Customer Number: CN606170173

PUBLIC VIEWING LOCATION

I certify that a copy of the complete water quality application and draft permit, and all revisions, were placed at the following public place for public viewing and copying. I understand that the copy will remain available at the public place from the 1st day of publication of the until the commission has taken action on the applicant or the commission refers the issues to the State Office of Administrative Hearings (SOAH).

Name of Public Place: Georgetown Public Library

Address of Public Place: 402 W. 8th Street, Georgetown, TX 78626

Applicant or Applicant Representative Signature: _____

Michael Benhaggen

Title: Senior Project Manager

Date: 7/18/2024