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James "Bo" Slone
TCEQ Austin Regional Office
12100 Park 35 Circle, Bldg A, Rm 179
Austin, Texas 78753

December 5, 2025

Re: Edwards Aquifer Exception Request for the Georgetown Temporary Substation, 921 W. University Ave, Georgetown, Williamson County, Texas

Bo,

Please find all necessary attachments required for an Edwards Aquifer Exception Request. The Lower Colorado River Authority (LCRA) Transmission Services Corporation (TSC) proposes to construct a temporary electrical substation on the opposite side of State Highway 29 from the existing Georgetown Substation that will handle transmission load while work occurs at the existing substation.

Based on prior coordination, the application is being submitted as an Exception Request. The nature of the request as well as a detailed explanation of equivalent water quality protection is included in this application. The proposed project will occur on undeveloped land that is leased from a private land owner. A completed Owner Authorization Form and a Deed Restricted Easement are included to confirm that LCRA TSC has the right to possess and control the subject area.

Cambrian Environmental is assisting the design engineer with preparation of the application materials, addressing comments on the application, and facilitating compliance. Design plans were prepared by Brock Langley, P.E. of LCRA.

If you have any questions or need additional information, please do not hesitate to contact me at (512) 470-4013.

Respectfully submitted,

Heather Beatty, P.G.
Cambrian Environmental
Texas Geoscience Firm #50484
(512) 470-4013

EDWARDS AQUIFER EXCEPTION REQUEST

GEORGETOWN TEMPORARY SUBSTATION

DECEMBER 2025

Prepared For:



LCRA Transmission
Services Corporation
3700 Lake Austin Blvd.
Austin, Texas 78703

Prepared By:



Cambrian Environmental
4422 Pack Saddle Pass
Suite 204
Austin, Texas 78745

Texas Commission on Environmental Quality

Edwards Aquifer Application Cover Page

Our Review of Your Application

The Edwards Aquifer Program staff conducts an administrative and technical review of all applications. The turnaround time for administrative review can be up to 30 days as outlined in 30 TAC 213.4(e). Generally administrative completeness is determined during the intake meeting or within a few days of receipt. The turnaround time for technical review of an administratively complete Edwards Aquifer application is 90 days as outlined in 30 TAC 213.4(e). Please know that the review and approval time is directly impacted by the quality and completeness of the initial application that is received. In order to conduct a timely review, it is imperative that the information provided in an Edwards Aquifer application include final plans, be accurate, complete, and in compliance with [30 TAC 213](#).

Administrative Review

1. [Edwards Aquifer applications](#) must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.

To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: <http://www.tceq.texas.gov/field/eapp>.

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.
2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited.**
4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

Mid-Review Modifications

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a “Mid-Review Modification”. Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ’s Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ’s San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

1. Regulated Entity Name: Georgetown Temporary Substation					2. Regulated Entity No.: New					
3. Customer Name: LCRA TRANSMISSION SERVICES CORPORATION					4. Customer No.: CN601708639					
5. Project Type: (Please circle/check one)		New		Modification		Extension		Exception		
6. Plan Type: (Please circle/check one)		WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
7. Land Use: (Please circle/check one)		Residential		Non-residential			8. Site (acres):		2.46	
9. Application Fee:		\$500.00		10. Permanent BMP(s):			Interim Vegetated Filter Strips			
11. SCS (Linear Ft.):		N/A		12. AST/UST (No. Tanks):			N/A			
13. County:		Williamson		14. Watershed:			South Fork San Gabriel			

Application Distribution

Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which cross into multiple jurisdictions, can require additional copies. Refer to the “Texas Groundwater Conservation Districts within the EAPP Boundaries” map found at:

http://www.tceq.texas.gov/assets/public/compliance/field_ops/eapp/EAPP%20GWCD%20map.pdf

For more detailed boundaries, please contact the conservation district directly.

Austin Region			
County:	Hays	Travis	Williamson
Original (1 req.)	—	—	<u> </u> X <u> </u>
Region (1 req.)	—	—	<u> </u> X <u> </u>
County(ies)	—	—	<u> </u> X <u> </u>
Groundwater Conservation District(s)	<u> </u> Edwards Aquifer Authority <u> </u> Barton Springs/ Edwards Aquifer <u> </u> Hays Trinity <u> </u> Plum Creek	<u> </u> Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	<u> </u> Austin <u> </u> Buda <u> </u> Dripping Springs <u> </u> Kyle <u> </u> Mountain City <u> </u> San Marcos <u> </u> Wimberley <u> </u> Woodcreek	<u> </u> Austin <u> </u> Bee Cave <u> </u> Pflugerville <u> </u> Rollingwood <u> </u> Round Rock <u> </u> Sunset Valley <u> </u> West Lake Hills	<u> </u> Austin <u> </u> Cedar Park <u> </u> Florence X <u> </u> Georgetown <u> </u> Jerrell <u> </u> Leander <u> </u> Liberty Hill <u> </u> Pflugerville <u> </u> Round Rock

San Antonio Region					
County:	Bexar	Comal	Kinney	Medina	Uvalde
Original (1 req.)	—	—	—	—	—
Region (1 req.)	—	—	—	—	—
County(ies)	—	—	—	—	—
Groundwater Conservation District(s)	<u> </u> Edwards Aquifer Authority <u> </u> Trinity-Glen Rose	<u> </u> Edwards Aquifer Authority	<u> </u> Kinney	<u> </u> EAA <u> </u> Medina	<u> </u> EAA <u> </u> Uvalde
City(ies) Jurisdiction	<u> </u> Castle Hills <u> </u> Fair Oaks Ranch <u> </u> Helotes <u> </u> Hill Country Village <u> </u> Hollywood Park <u> </u> San Antonio (SAWS) <u> </u> Shavano Park	<u> </u> Bulverde <u> </u> Fair Oaks Ranch <u> </u> Garden Ridge <u> </u> New Braunfels <u> </u> Schertz	NA	<u> </u> San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.

Heather Beatty

Print Name of Customer/Authorized Agent

12/5/2025

Signature of Customer/Authorized Agent

Date

****FOR TCEQ INTERNAL USE ONLY****

Date(s) Reviewed:		Date Administratively Complete:	
Received From:		Correct Number of Copies:	
Received By:		Distribution Date:	
EAPP File Number:		Complex:	
Admin. Review(s) (No.):		No. AR Rounds:	
Delinquent Fees (Y/N):		Review Time Spent:	
Lat./Long. Verified:		SOS Customer Verification:	
Agent Authorization Complete/Notarized (Y/N):		Fee Check:	Payable to TCEQ (Y/N):
Core Data Form Complete (Y/N):			Signed (Y/N):
Core Data Form Incomplete Nos.:			Less than 90 days old (Y/N):

General Information Form

Texas Commission on Environmental Quality

For Regulated Activities on the Edwards Aquifer Recharge and Transition Zones and Relating to 30 TAC §213.4(b) & §213.5(b)(2)(A), (B) Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **General Information Form** is hereby submitted for TCEQ review. The application was prepared by:

Print Name of Customer/Agent: Heather Beatty

Date: 12/5/2025

Signature of Customer/Agent:



Project Information

1. Regulated Entity Name: Georgetown Temporary Substation

2. County: Williamson

3. Stream Basin: South Fork San Gabriel River

4. Groundwater Conservation District (If applicable): N/A

5. Edwards Aquifer Zone:

Recharge Zone

Transition Zone

6. Plan Type:

WPAP

SCS

Modification

AST

UST

Exception Request

7. Customer (Applicant):

Contact Person: Mike Almendarez

Entity: Lower Colorado River Authority Transmission Services Corporation

Mailing Address: 3700 Lake Austin Blvd.

City, State: Austin, Texas

Zip: 78703

Telephone: 512-354-5646

FAX: N/A

Email Address: Mike.Almendarez@lcra.org

8. Agent/Representative (If any):

Contact Person: Heather Beatty

Entity: Cambrian Environmental

Mailing Address: 2244 Packsaddle Pass, Ste 204

City, State: Austin, Texas

Zip: 78745

Telephone: 512-470-4013

FAX: N/A

Email Address: hbeatty@CambrianEnvironmental.com

9. Project Location:

The project site is located inside the city limits of Georgetown.

The project site is located outside the city limits but inside the ETJ (extra-territorial jurisdiction) of _____.

The project site is not located within any city's limits or ETJ.

10. The location of the project site is described below. The description provides sufficient detail and clarity so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

Contact Heather Beatty two days prior to the site visit. From IH 35 in Georgetown, turn east onto SH 29, and then turn left into the driveway.

11. **Attachment A – Road Map.** A road map showing directions to and the location of the project site is attached. The project location and site boundaries are clearly shown on the map.

12. **Attachment B - USGS / Edwards Recharge Zone Map.** A copy of the official 7 ½ minute USGS Quadrangle Map (Scale: 1" = 2000') of the Edwards Recharge Zone is attached. The map(s) clearly show:

Project site boundaries.

USGS Quadrangle Name(s).

Boundaries of the Recharge Zone (and Transition Zone, if applicable).

Drainage path from the project site to the boundary of the Recharge Zone.

13. **The TCEQ must be able to inspect the project site or the application will be returned.** Sufficient survey staking is provided on the project to allow TCEQ regional staff to locate the boundaries and alignment of the regulated activities and the geologic or manmade features noted in the Geologic Assessment.

Survey staking will be completed by this date: a Google Earth file has been shared for ease of use with the mobile application

14. **Attachment C – Project Description.** Attached at the end of this form is a detailed narrative description of the proposed project. The project description is consistent throughout the application and contains, at a minimum, the following details:

- Area of the site
- Offsite areas
- Impervious cover
- Permanent BMP(s)
- Proposed site use
- Site history
- Previous development
- Area(s) to be demolished

15. Existing project site conditions are noted below:

- Existing commercial site
- Existing industrial site
- Existing residential site
- Existing paved and/or unpaved roads
- Undeveloped (Cleared)
- Undeveloped (Undisturbed/Uncleared)
- Other: _____

Prohibited Activities

16. I am aware that the following activities are prohibited on the Recharge Zone and are not proposed for this project:

- (1) Waste disposal wells regulated under 30 TAC Chapter 331 of this title (relating to Underground Injection Control);
- (2) New feedlot/concentrated animal feeding operations, as defined in 30 TAC §213.3;
- (3) Land disposal of Class I wastes, as defined in 30 TAC §335.1;
- (4) The use of sewage holding tanks as parts of organized collection systems; and
- (5) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41(b), (c), and (d) of this title (relating to Types of Municipal Solid Waste Facilities).
- (6) New municipal and industrial wastewater discharges into or adjacent to water in the state that would create additional pollutant loading.

17. I am aware that the following activities are prohibited on the Transition Zone and are not proposed for this project:

- (1) Waste disposal wells regulated under 30 TAC Chapter 331 (relating to Underground Injection Control);
- (2) Land disposal of Class I wastes, as defined in 30 TAC §335.1; and
- (3) New municipal solid waste landfill facilities required to meet and comply with Type I standards which are defined in §330.41 (b), (c), and (d) of this title.

Administrative Information

18. The fee for the plan(s) is based on:

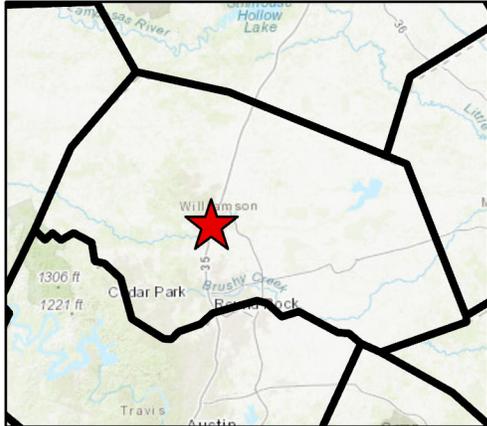
- For a Water Pollution Abatement Plan or Modification, the total acreage of the site where regulated activities will occur.
- For an Organized Sewage Collection System Plan or Modification, the total linear footage of all collection system lines.
- For a UST Facility Plan or Modification or an AST Facility Plan or Modification, the total number of tanks or piping systems.
- A request for an exception to any substantive portion of the regulations related to the protection of water quality.
- A request for an extension to a previously approved plan.

19. Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

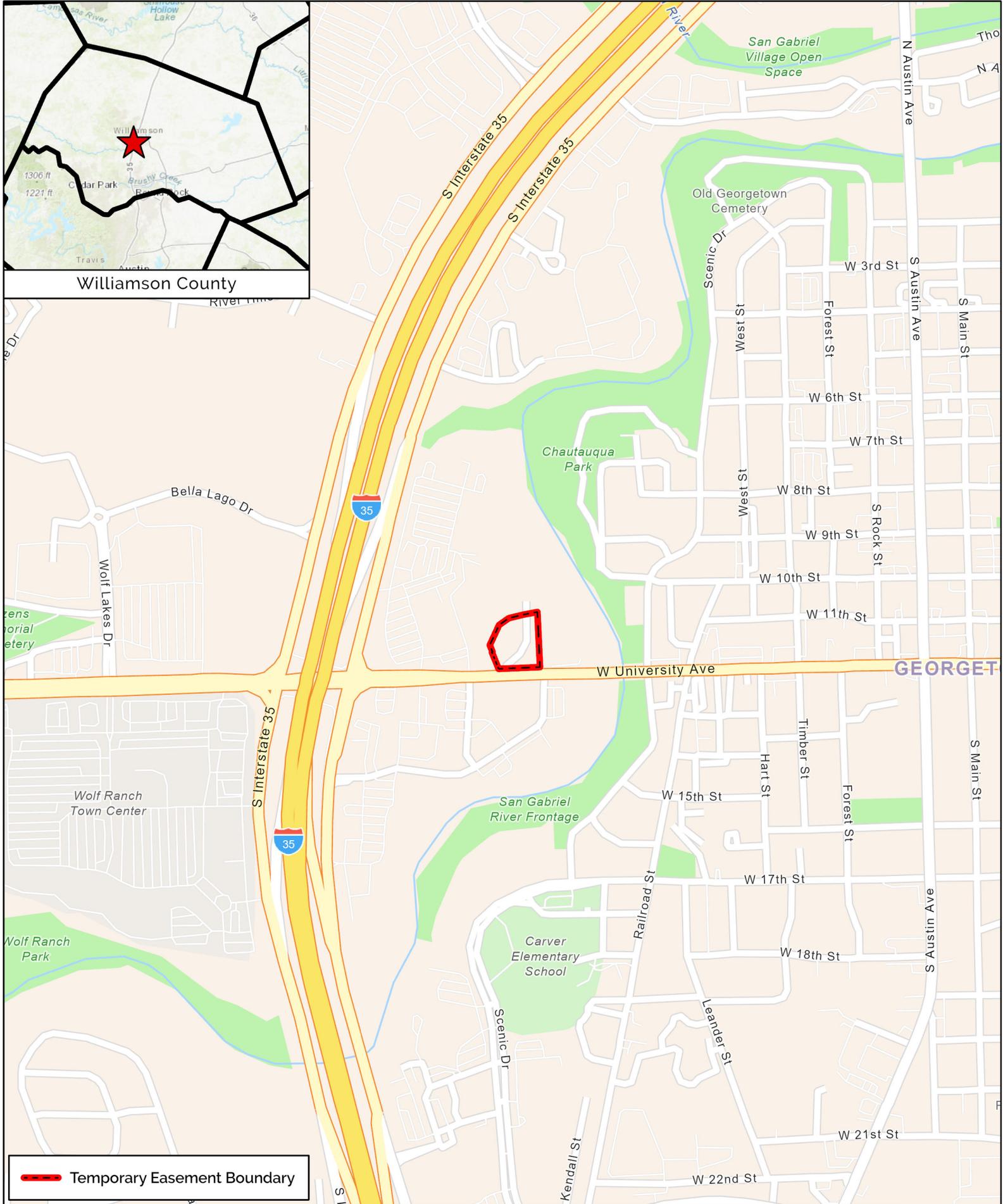
- TCEQ cashier
- Austin Regional Office (for projects in Hays, Travis, and Williamson Counties)
- San Antonio Regional Office (for projects in Bexar, Comal, Kinney, Medina, and Uvalde Counties)

20. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.

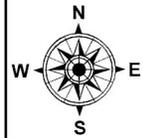
21. No person shall commence any regulated activity until the Edwards Aquifer Protection Plan(s) for the activity has been filed with and approved by the Executive Director.



Williamson County

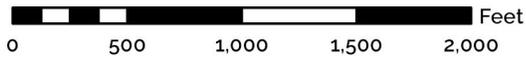


 Temporary Easement Boundary



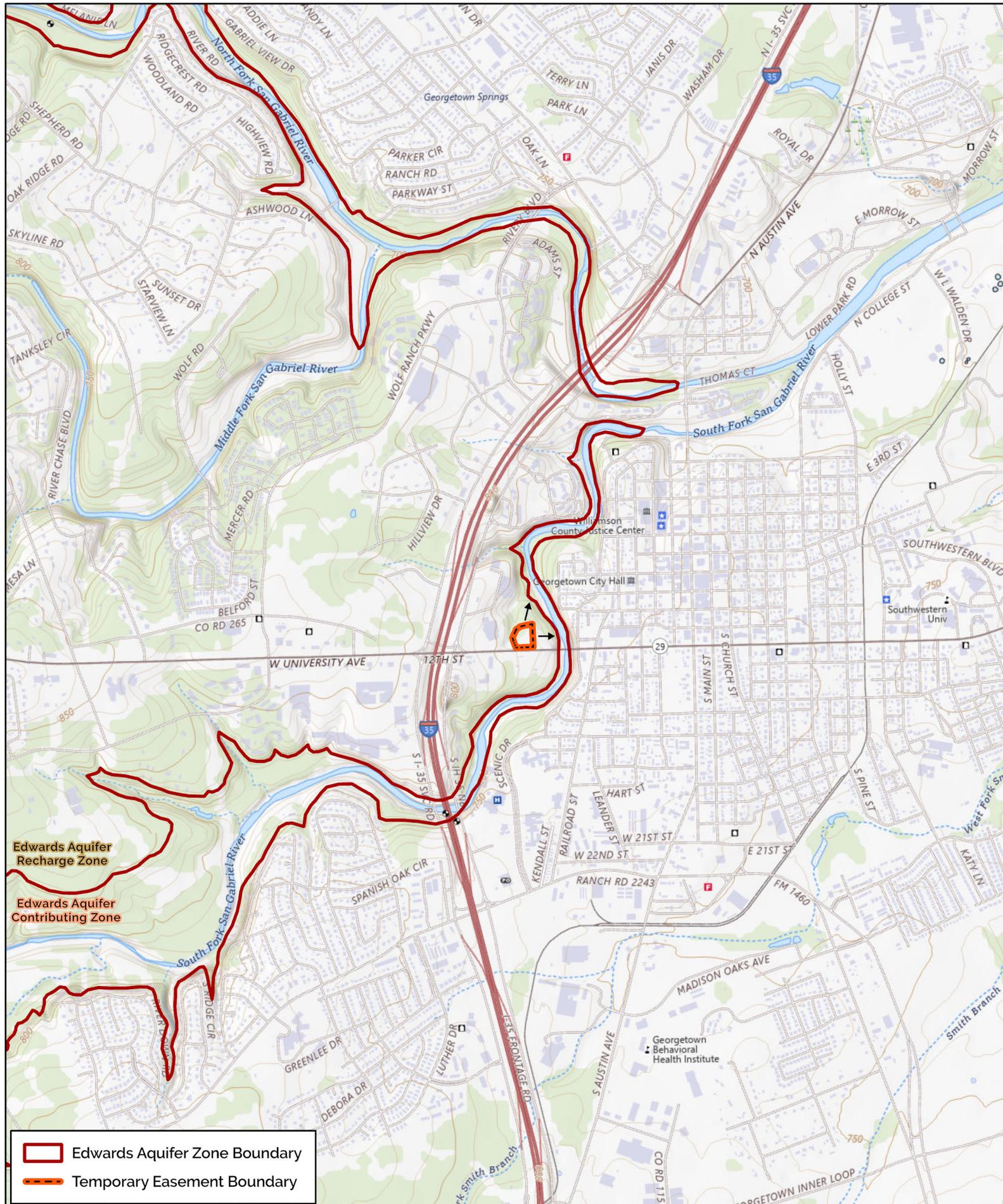
1:10,000

Coordinate System: WGS 1984
UTM Zone 14N



Attachment A - Road Map Georgetown Temporary Substation





Edwards Aquifer Recharge Zone
 Edwards Aquifer Contributing Zone

Edwards Aquifer Zone Boundary
 Temporary Easement Boundary

N
 W — E
 S

1:24,000 Coordinate System: WGS 1984
 UTM Zone 14N

0 1,000 2,000 3,000 4,000 Feet

Attachment B - USGS/Edwards Recharge Zone Map
 Georgetown Quadrangle, Williamson County, Texas
 Georgetown Temporary Substation





GEORGETOWN TEMPORARY SUBSTATION Exception Request

ATTACHMENT C – Project Description

The Lower Colorado River Authority (LCRA) Transmission Services Corporation (TSC) proposes to construct a temporary electrical substation (the site) at 921 W. University Ave, Georgetown, Texas 78626. The site consists of a 2.46-acre lease property north of the existing substation along State Highway (SH) 29. This substation serves as a critical node in the power system. It contains equipment for voltage transformation, voltage regulation and power quality, power flow and switching and is a hub for connecting transmission lines in the city.

The legal boundary of the site is a temporary easement. A completed Owner Authorization Form and a Deed Restricted Easement are included behind this page to confirm that LCRA TSC has the right to possess and control the subject lease area. There is no other area outside of these boundaries where work is being proposed.

An exception request is being submitted due to limited soil disturbance as well as the temporary nature and small-scale of the project. The purpose of the temporary project is to set mobile, temporary equipment to handle transmission load while work occurs at the existing Georgetown substation across Hwy 29. A separate application will be submitted to the Edwards Aquifer protection program (EAPP) for review and approval for planned work at the existing substation.

Construction plans are attached following the Exception Request Form. The plans represent a completion stage of 90% or near final plans. Site plan requirements are being met with the subject plan set.

The site is located entirely within the Edwards Aquifer Recharge Zone. Approximately 0.5 acres of temporary impervious cover are proposed. It will consist of compacted based material and aggregate that will support the necessary equipment. Water quality best management practices (BMPs) are provided in accordance with the TCEQ Edwards Aquifer rules (30 TAC Chapter 213, Subchapter A) and EAPP technical guidance. The site plan shows locations of proposed interim vegetated filter strips (IVFS) and a natural vegetative filter strip (NVFS) that will be utilized for the treatment of stormwater runoff from the impervious cover. From the Technical Guidance Manual, vegetated filter strips are a form of water quality treatment that is 85% efficient at removing total suspended solids (TSS).

The temporary easement described in this application does not include a historical structure located within the overall property. The John J. Dimmitt House (constructed around the 1870s–1880s) is outside the lease area. No wells or other sensitive features were found in the Geologic Assessment.

Site areas were measured and/or tabulated in standard engineering design platforms (e.g., Micro Station, AutoCAD) by LCRA.



Owner Authorization Form

Edwards Aquifer Protection Program

Instructions

Complete the following form by adding the requested information in the fields below. The form must be notarized for it to be considered complete. Attach it to other programmatic submittals required by 30 Texas Administrative Code (30 TAC), Chapter 213, and provide it to TCEQ's Edwards Aquifer Protection Program (EAPP) as part of your application.

If you have questions on how to fill out this form or about EAPP, please contact us by phone at 512-339-2929 or by e-mail at eapp@tceq.texas.gov.

Landowner Authorization

I, Jimmy Nassour of JN 6752 535, LP, a Texas limited partnership
am the owner of the property located at:

Being all of a 15.490-acre tract of land out of the Clement Stubblefield 1/3 League, Survey No. 3, Abstract No. 558, recorded in Document No. 2025031164 of the Williamson County, Texas Deed Records,

and am duly authorized in accordance with 30 TAC 213.4(c)(2) and 213.4(d)(1), or 30 TAC 213.23(c)(2) and 213.23(d), relating to the right to submit an application, signatory authority, and proof of authorized signatory.

I do hereby authorize LCRA Transmission Services Corporation
To conduct the construction and operation of a temporary mobile substation site in accordance with the Temporary Mobile Substation Easement ("Easement") at the Easement Property as defined in the Easement.

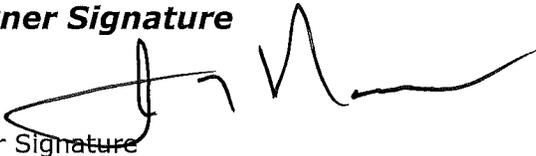
Landowner Acknowledgement

I understand that LCRA Transmission Services Corporation

Is, in accordance with the Easement, ultimately responsible for the compliance with the approved or conditionally approved Edwards Aquifer protection plan and any special conditions of the approved plan through all phases of plan implementation and is responsible for compliance and has the right to possess and control the property referenced in the application for the term of the Easement, and that LCRA TSC shall release Owner from any and all liability related to activities LCRA TSC undertakes on the easement property under the Easement. I further understand that any failure to comply with any condition of the executive director's approval is a violation and subject to administrative rule or orders and penalties as provided under 30 TAC 213.10, relating to enforcement. Such violations may also be subject to civil penalties.

Landowner Signature

Signature
Landowner Signature



Date 12/2/25
Date

THE STATE § OF State Texas
County § of County Tarrant

BEFORE ME, the undersigned authority, on this day personally appeared
landowner or signatory name Jimmy Nassauer

known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this Day day of Month 2nd of December, 2025

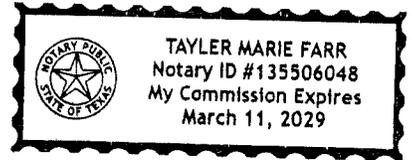
Click or tap here to add ID

NOTARY PUBLIC



Typed or Printed Name of Notary Taylor Farr

MY COMMISSION EXPIRES: Date 3/11/2029



Optional Attachments

Select All that apply:

- Lease Agreement
- Signed Contract
- Deed Restricted Easement
- Other legally binding documents

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 DRIVERS LICENSE NUMBER.

TEMPORARY MOBILE SUBSTATION EASEMENT

STATE OF TEXAS §

COUNTY OF WILLIAMSON §

DATE: December 3rd, 2025

GRANTOR: JN 6752 FM 535, LP, a Texas limited partnership

GRANTOR'S MAILING ADDRESS: 3839 Bee Caves Road, Suite 200
Austin, Texas 78746

GRANTEE: LCRA TRANSMISSION SERVICES CORPORATION, a Texas non-profit corporation

GRANTEE'S MAILING ADDRESS: P. O. Box 220
Austin, Texas 78767-0220

EASEMENT PROPERTY: A tract of land situated in Williamson County, Texas, consisting of 2.5 acres more or less, being more particularly depicted in Exhibit A, such exhibit being attached hereto and incorporated herein for all purposes.

TERM: The initial term of this Temporary Mobile Substation Easement (the "Easement") is Eighteen (18) months beginning January 1, 2026 and ending on June 30, 2027. Prior to the expiration of the initial Term, Grantee has the option to extend the Term for an additional month, and for additional months thereafter, up to an additional twelve (12) months after the initial Term expires (each, a "Month-Long Extension"), subject to Grantee providing Grantor written notice of its intent to exercise this option right at least thirty (30) days in advance. To exercise any Month-Long Extension, Grantee will pay to Grantor, prior to the beginning of each Month-Long Extension, an extension fee as agreed upon.

PROJECT: Temporary electric substation facilities and related electric transmission facilities including but not limited to a mobile electric transformer. The Project may also include communication lines and facilities appurtenant to them.

GRANTOR, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, hereby grants, and conveys to GRANTEE an exclusive easement and right-of-way, in, upon, under, and across the

EASEMENT PROPERTY, to have and hold to GRANTEE and GRANTEE'S successors and assigns for the TERM. The easement and right-of-way herein granted shall be used for the purposes of constructing, operating, maintaining, replacing, removing, inspecting, patrolling, or repairing the PROJECT, and making connections therewith.

GRANTEE shall have the right of ingress and egress at all times upon and across the EASEMENT PROPERTY and across GRANTEE's other electrical line easements and right-of-ways on GRANTOR's remainder property for the above stated purposes. In the event that such access is not reasonably available as set forth above, and only in that event, GRANTEE shall have the right of reasonable ingress and egress over the remainder property of GRANTOR along any route that is reasonable and appropriate under the circumstances then existing.

Except as expressly provided herein, the easement is exclusive to GRANTEE. During the TERM, GRANTOR may not use the EASEMENT PROPERTY or convey to any third party any rights and/or easements to use the EASEMENT PROPERTY. GRANTEE shall have the right to fence and enclose the EASEMENT PROPERTY. GRANTEE shall have the right to prevent entry onto the EASEMENT PROPERTY by anyone including but not limited to GRANTOR. All parts of the PROJECT installed on the EASEMENT PROPERTY shall remain the exclusive property of GRANTEE.

GRANTEE shall have the right to remove from the EASEMENT PROPERTY all trees, shrubs, and parts thereof, or any structure, building, or obstruction within the EASEMENT PROPERTY, which may endanger or may interfere with the safe, efficient, or convenient operation of the PROJECT or the rights of ingress and egress granted herein. GRANTEE shall have the right to resurface the EASEMENT PROPERTY with impervious or semi-pervious cover. Neither GRANTOR nor GRANTEE shall place or construct any habitable structure in or on the EASEMENT PROPERTY. Neither GRANTOR nor GRANTEE shall place or operate any temporary or permanent equipment or object within the EASEMENT PROPERTY without complying with the National Electric Safety code and all other applicable laws and regulations.

Prior to the end of the TERM, GRANTEE shall remove GRANTEE's PROJECT facilities, including all electrical substation and related transmission facilities and fencing. GRANTEE will restore the changes made by GRANTEE to the surface of the EASEMENT PROPERTY, as nearly as reasonably possible, to the condition in which the EASEMENT PROPERTY was found immediately before such work was undertaken. GRANTOR understands and agrees that trees and brush cleared from the EASEMENT PROPERTY will not be replaced; provided, however, the GRANTEE agrees to limit such clearing to that which is reasonably necessary.

GRANTEE shall comply with all applicable federal, state and local laws, rules, regulations, ordinances in the exercise of the rights granted herein, including without limitation all health, safety, and environmental laws, rules, and regulations.

This conveyance is made and accepted subject to all valid and existing restrictions, reservations, covenants, conditions, rights-of-way, easements, and other encumbrances of record to the extent same pertain to the Property.

GRANTOR expressly reserves all oil, gas, and other minerals owned by GRANTOR, in, on, and under the EASEMENT PROPERTY, provided that GRANTOR shall not be permitted to drill or excavate for minerals on the surface of the EASEMENT PROPERTY, but GRANTOR may extract oil, gas, or other minerals from and under the EASEMENT PROPERTY by directional drilling or other means which do not interfere with or disturb GRANTEE'S use of the EASEMENT PROPERTY.

The rights granted to GRANTEE in this Easement are assignable in whole or in part subject to the prior written notice to and approval from GRANTOR, which approval shall not be unreasonably withheld, conditioned, or delayed. This instrument, and the terms and conditions contained herein, shall inure to the benefit of and be binding upon GRANTEE and GRANTOR, and their respective successors and assigns.

GRANTOR warrants that it is the owner of the EASEMENT PROPERTY and that it has not granted or conveyed the right to use the EASEMENT PROPERTY to any third party. GRANTOR warrants and shall, for the TERM of the Easement, defend all and singular the above-described easement rights 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 GRANTOR, but not otherwise.

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

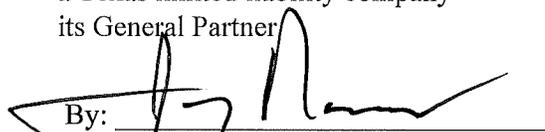
At the time this Temporary Mobile Substation Easement was executed, the plat and field note descriptions of the EASEMENT, to be attached as Exhibit A had not been finalized. GRANTOR agreed to grant this Easement using the sketch previously attached as Exhibit A-1 for a description of the EASEMENT PROPERTY. GRANTOR agrees that after the survey of the EASEMENT PROPERTY is finalized, including plat and field notes, the survey will be attached to this Temporary Mobile Substation Easement as Exhibit A replacing Exhibit A-1 and this Temporary Mobile Substation Easement will be filed by GRANTEE in the real property records of the county in which the EASEMENT PROPERTY is located without receiving additional approval from GRANTOR so long as Exhibit A is substantially similar to Exhibit A-1.

[Signature page follows]

GRANTOR:

JN 6752 FM 535, LP, a Texas limited partnership

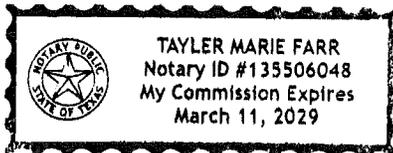
By: JN 6752 FM 535 GP, LLC,
a Texas limited liability company
its General Partner

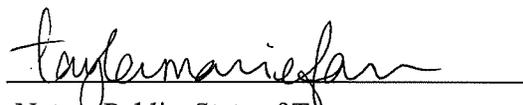
By: 
Name: Jimmy Nassour
Title: Manager

ACKNOWLEDGMENT

STATE OF TEXAS §
 §
COUNTY OF TRAVIS §

This instrument was acknowledged before me on December 3rd, 2025, by Jimmy Nassour, Manager of JN 6752 FM 535 GP, LLC, a Texas limited liability company, General Partner of JN 6752 FM 535, LP, a Texas limited partnership, on behalf of said company and partnership.




Notary Public, State of Texas

AFTER RECORDING RETURN TO:

Lower Colorado River Authority
P. O. Box 220
Austin, Texas 78767-0220
Attn:

VERIFICATION

STATE OF TEXAS §
 §
COUNTY OF TRAVIS §

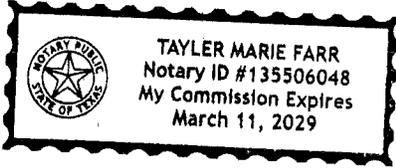
Before me the undersigned Notary Public, on this day personally appeared Jimmy Nassar who after being duly sworn stated under oath that he/she is the duly authorized agent for the Plaintiff and that the answers provided in Plaintiff's answers to Interrogatories are true and correct to the best of his/her knowledge.


Affiant

SUBSCRIBED AND SWORN TO BEFORE ME on December 3rd, 2025

Taylor Farr

Taylormariefarr



Notary Public for the State of Texas. My commission expires March 11, 2029.



**Geologic Assessment for the Georgetown
Temporary Substation, Georgetown, Williamson
County, Texas**

Prepared for:

LCRA Transmission Services Corporation

and

ICF

Prepared by:

Cambrian Environmental

November 3, 2025

**GEOLOGIC ASSESSMENT FOR THE GEORGETOWN TEMPORARY SUBSTATION,
GEORGETOWN, WILLIAMSON COUNTY, TEXAS**

Prepared for:

LCRA Transmission Services Corporation
3505 Montopolis Dr.
Austin, Texas 78744

and

ICF
5 Lakeway Centre Court, Suite 200
Austin, Texas 78734

Prepared by:

Heather L. Beatty, P.G.

Cambrian Environmental
4422 Pack Saddle Pass
Suite 204
Austin, Texas 78745

TX Geoscience Firm Registration #50484

As a licensed professional geoscientist I attest that the contents of this report
are complete and accurate to the best of my knowledge.



Heather Beatty

November 3, 2025

Geologic Assessment

Texas Commission on Environmental Quality

For Regulated Activities on The Edwards Aquifer Recharge/transition Zones and Relating to 30 TAC §213.5(b)(3), Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Print Name of Geologist: Heather Beatty

Telephone: 512-470-4013

Date: November 3, 2025

Fax: None

Representing: Cambrian Environmental, Geoscience Firm #50484 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: Georgetown Temporary Substation

Project Information

1. Date(s) Geologic Assessment was performed: October 24, 2025

2. Type of Project:

WPAP

AST

SCS

UST

3. Location of Project:

Recharge Zone

Transition Zone

Contributing Zone within the Transition Zone

4. **Attachment A - Geologic Assessment Table.** Completed Geologic Assessment Table (Form TCEQ-0585-Table) is attached.
5. Soil cover on the project site is summarized in the table below and uses the SCS Hydrologic Soil Groups* (Urban Hydrology for Small Watersheds, Technical Release No. 55, Appendix A, Soil Conservation Service, 1986). If there is more than one soil type on the project site, show each soil type on the site Geologic Map or a separate soils map.

Table 1 - Soil Units, Infiltration Characteristics and Thickness

Soil Name	Group*	Thickness(feet)
Georgetown stony clay loam (GsB)	D	0.6
Eckrant-Rock outcrop (ErE)	D	0.9

Soil Name	Group*	Thickness(feet)

** Soil Group Definitions (Abbreviated)*

- A. *Soils having a high infiltration rate when thoroughly wetted.*
- B. *Soils having a moderate infiltration rate when thoroughly wetted.*
- C. *Soils having a slow infiltration rate when thoroughly wetted.*
- D. *Soils having a very slow infiltration rate when thoroughly wetted.*

6. **Attachment B – Stratigraphic Column.** A stratigraphic column showing formations, members, and thicknesses is attached. The outcropping unit, if present, should be at the top of the stratigraphic column. Otherwise, the uppermost unit should be at the top of the stratigraphic column.
7. **Attachment C – Site Geology.** A narrative description of the site specific geology including any features identified in the Geologic Assessment Table, a discussion of the potential for fluid movement to the Edwards Aquifer, stratigraphy, structure(s), and karst characteristics is attached.
8. **Attachment D – Site Geologic Map(s).** The Site Geologic Map must be the same scale as the applicant's Site Plan. The minimum scale is 1" : 400'
 Applicant's Site Plan Scale: 1" = 200' & 1"=20'
 Site Geologic Map Scale: 1" = 200'
 Site Soils Map Scale (if more than 1 soil type): 1" = 2000'
9. Method of collecting positional data:
 - Global Positioning System (GPS) technology.
 - Other method(s). Please describe method of data collection: Camera app with similar accuracy as the recreational receiver.
10. The project site and boundaries are clearly shown and labeled on the Site Geologic Map.

11. Surface geologic units are shown and labeled on the Site Geologic Map.
12. Geologic or manmade features were discovered on the project site during the field investigation. They are shown and labeled on the Site Geologic Map and are described in the attached Geologic Assessment Table.
- Geologic or manmade features were not discovered on the project site during the field investigation.
13. The Recharge Zone boundary is shown and labeled, if appropriate.
14. All known wells (test holes, water, oil, unplugged, capped and/or abandoned, etc.): If applicable, the information must agree with Item No. 20 of the WPAP Application Section.
- There are 0 (#) wells present on the project site and the locations are shown and labeled. (Check all of the following that apply.)
- The wells are not in use and have been properly abandoned.
- The wells are not in use and will be properly abandoned.
- The wells are in use and comply with 16 TAC Chapter 76.
- There are no wells or test holes of any kind known to exist on the project site.

Administrative Information

15. Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.



GEOLOGIC ASSESSMENT FOR THE GEORGETOWN TEMPORARY SUBSTATION, WILLIAMSON COUNTY, TEXAS

INTRODUCTION

This narrative Geologic Assessment accompanies the Texas Commission on Environmental Quality (TCEQ) Geologic Assessment Form TCEQ-0585 completed in advance of construction of a temporary substation that will allow for planned upgrade of the existing Georgetown Substation. The subject site consists of a 2.46-acre lease property located at 921 West University Avenue, Georgetown, Williamson County, Texas (Figure 1 – Site Location Map). The boundary of a temporary easement represents the extent of the subject lease property. This report is a required element of an Edwards Aquifer protection plan application as the site is located within the recharge zone for the northern segment of the Edwards Aquifer. It also addresses certain water quality requirements of the City of Georgetown Unified Development Code related to the protection of the Georgetown Salamander.

METHODOLOGY

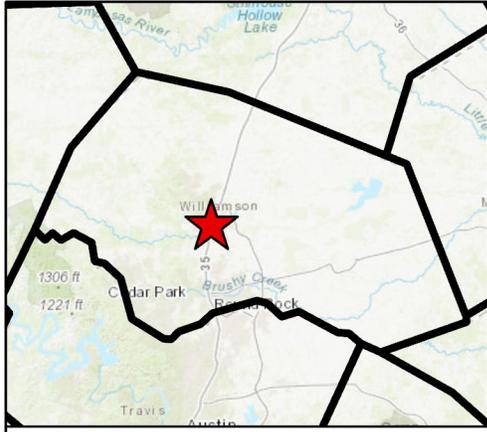
A Cambrian Environmental Professional Geoscientist (Texas license #1350) conducted a field survey for a Geologic Assessment on the 24th of October 2025. The pedestrian survey was completed by walking parallel transects spaced approximately 50 feet apart as directed by the TCEQ in the *Instructions to Geologists for Geologic Assessments on the Edwards Aquifer Recharge/Transition Zones* (Rev. 10-01-04). Closer spacing was used where vegetation inhibited clear observation. All potential karst features, including depressions, holes, and animal burrows, were carefully examined for evidence of subsurface extent. A number of techniques were used for this effort, including probing with a digging implement to determine the thickness and consistency of fill material and feeling for the presence of air flow, which may indicate the presence of a sub-surface void space. Other techniques included making observations of any notable characteristics of the feature site such as the presence of various types of vegetation or a semi-circular burrow mound produced by the activities of small mammals.

RESULTS

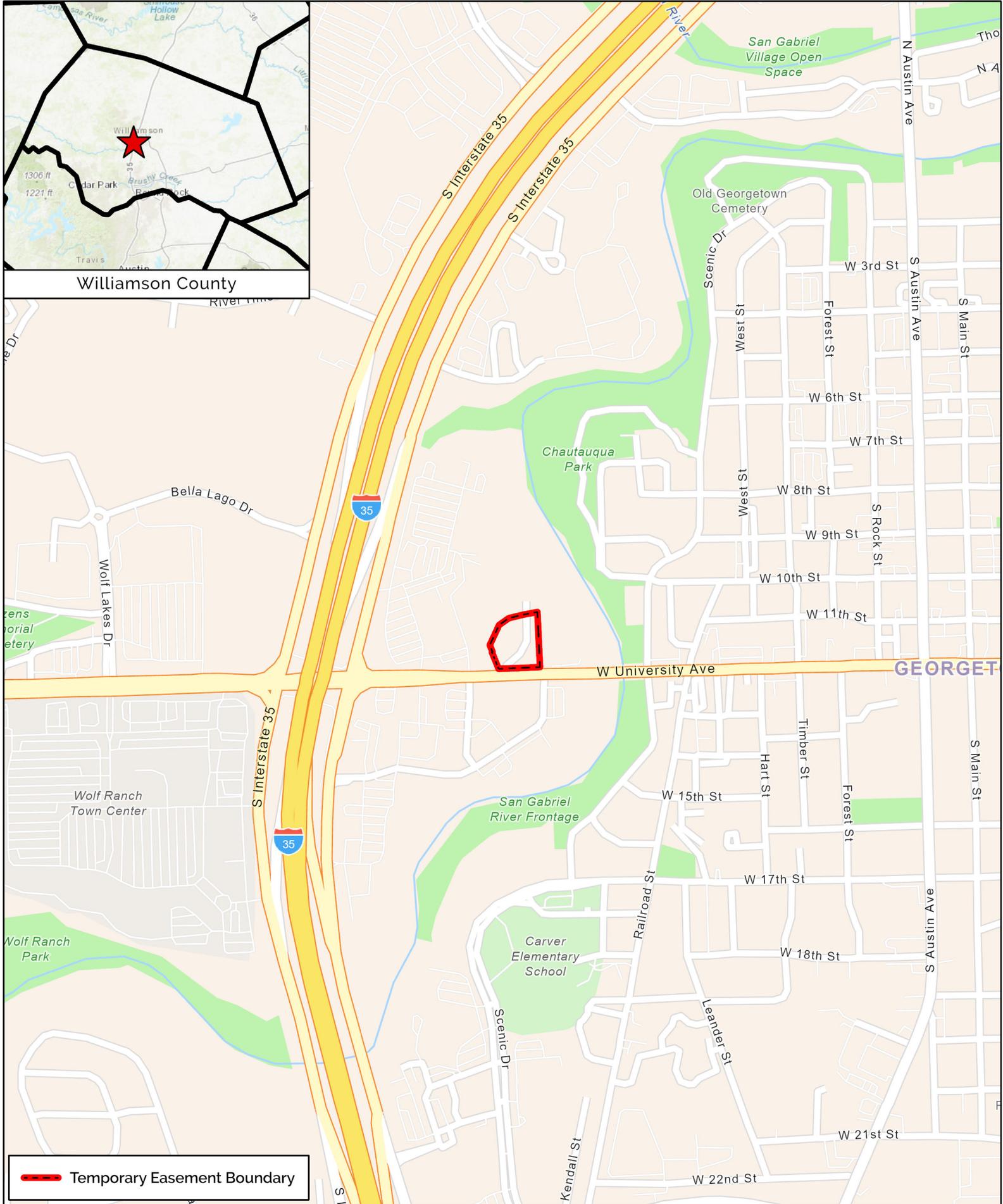
Soils

Soils mapped on the site consist of Georgetown stony clay loam (GsB) soil series and Eckrant-Rock outcrop association (ErE)¹. Georgetown stony clay loam is mapped on the majority of the lease property while the Eckrant-Rock outcrop association is mapped at the northern margin (Figure 2 – Site Soils Map). Eckrant and Georgetown series soils are within the “D” classification of the hydrologic soil groups. The “D” soils have a very slow infiltration rate (very high runoff potential) when thoroughly wet. These soils consist chiefly of clays that have a high shrink-swell potential, soils that have a permanent high-water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious cover. Georgetown soils occur on uplands, and typically have a slightly acid, brown stony clay loam surface layer about 7 inches thick. The underlying material is indurated fractured limestone. Eckrant soils occur on uplands, and typically the surface layer is about 11 inches thick. The upper part of this soil profile is dark grayish brown cobbly clay, and the lower part is dark brown cobbly clay. The underlying material is coarsely fractured indurated limestone.

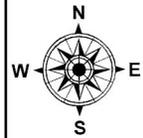
¹ United States Department of Agriculture, Natural Resource Conservation Service. Online Web Soil Survey, Williamson County, Texas. <http://websoilsurvey.sc.egov.usda.gov/>



Williamson County



 Temporary Easement Boundary



1:10,000

Coordinate System: WGS 1984
UTM Zone 14N

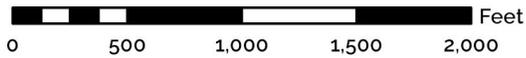


Figure 1 - Site Location Map



Cambrian

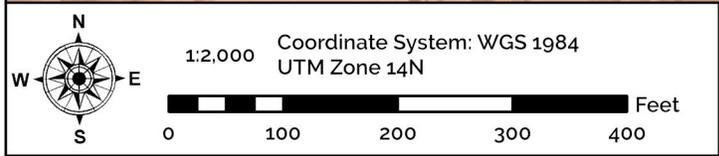
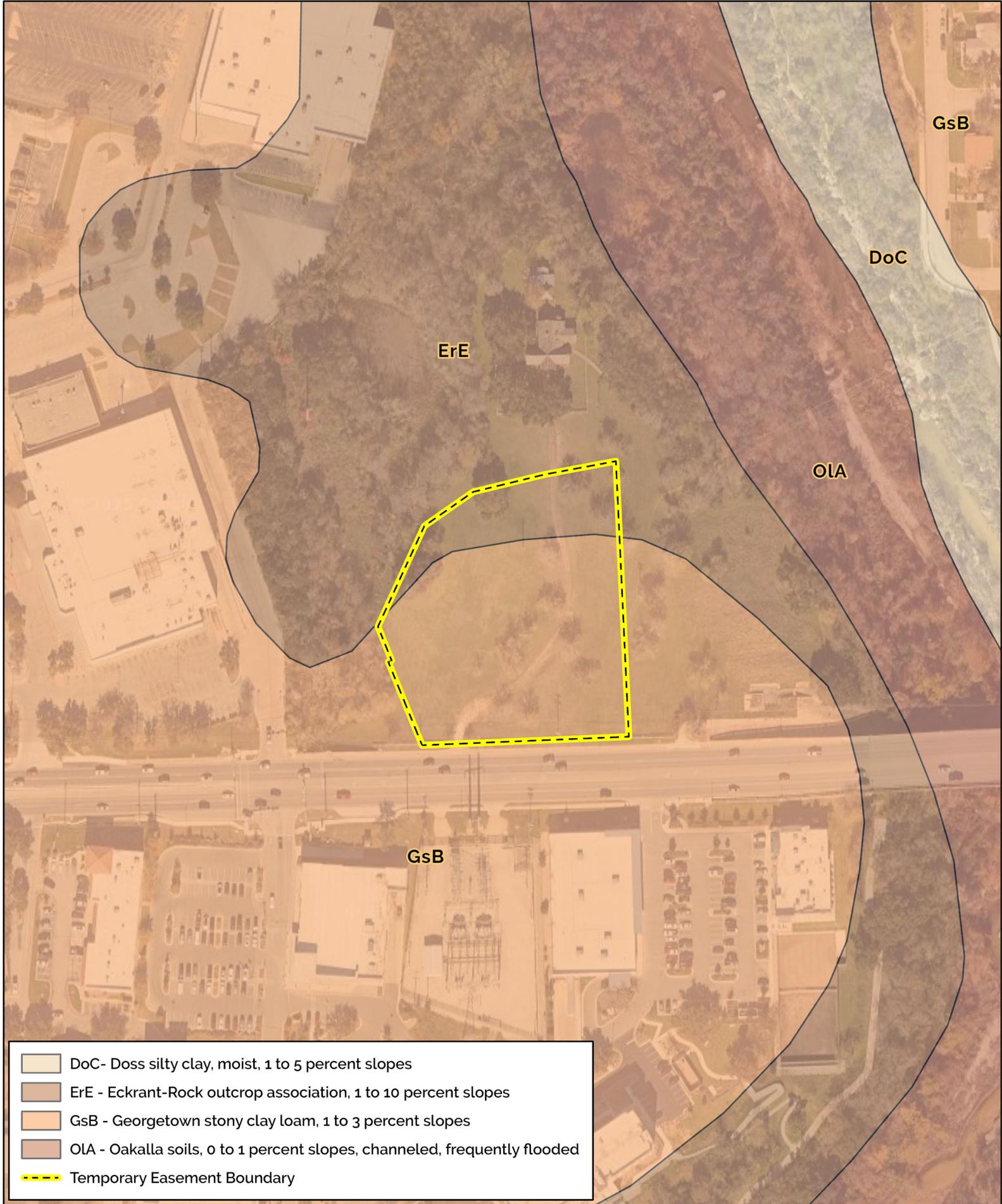


Figure 2 - Site Soils Map



Topography and Geology

The site is located within the environmentally sensitive Balcones Escarpment as well as the recharge zone for the northern segment of the Edwards Aquifer. The 2.46-acre lease property is situated on a relatively flat upland that is covered by native grasses and punctuated by mature mesquite and oak trees. The elevation of the property ranges from approximately 735 feet above mean sea level (MSL) on the southwestern portion of property to approximately 730 feet above MSL across a majority of the area. Topography becomes steeper east of the lease property towards the South Fork San Gabriel River.

The lithology underlying the lease property consists of the Edwards Limestone (Ked, Figure 3 – Site Geologic Map). The geology of the site has been mapped most recently at a useful scale by Collins (2005) and we find his interpretation of the geology to be generally accurate.² The Edwards Limestone is up to 120 feet thick in the vicinity of Georgetown. The lease property is 40 to 45 feet above the base of the formation. The Edwards Limestone is the uppermost unit of the Edwards Aquifer (Table 1). Lithology consists of a massive to thinly bedded limestone, dolomitic limestone and dolomite. The Comanche Peak Formation (Kc) underlies the Edwards Limestone and consists of irregularly bedded, nodular limestone, argillaceous limestone, and marl. These units along with the younger Georgetown Limestone (Kgt) make up the lithologies that comprise the Edwards Aquifer. Quaternary age river terrace deposits (Qt) are mapped adjacent to the nearby South Fork San Gabriel River.

The Edwards Limestone is typically the most cave-forming unit in Williamson County. The development of karst features primarily occurs in areas delineated as being within the recharge zone, which is where the geologic units that comprise the Edwards Aquifer are exposed at the surface. Recharge occurs predominantly along secondary porosity features such as faults, fractures, and karst features (i.e. caves, solution cavities, sinkholes, etc.). These types of karst features are commonly formed along joints, fractures, and bedding plane surfaces in the Edwards Limestone. Faults can also enhance the potential for cave formation; however no mapped faults occur within the lease property. The nearest mapped fault is approximately 3,000 feet east of the property which juxtaposes the Edwards and Georgetown Limestones.

Site Hydrogeologic Assessment

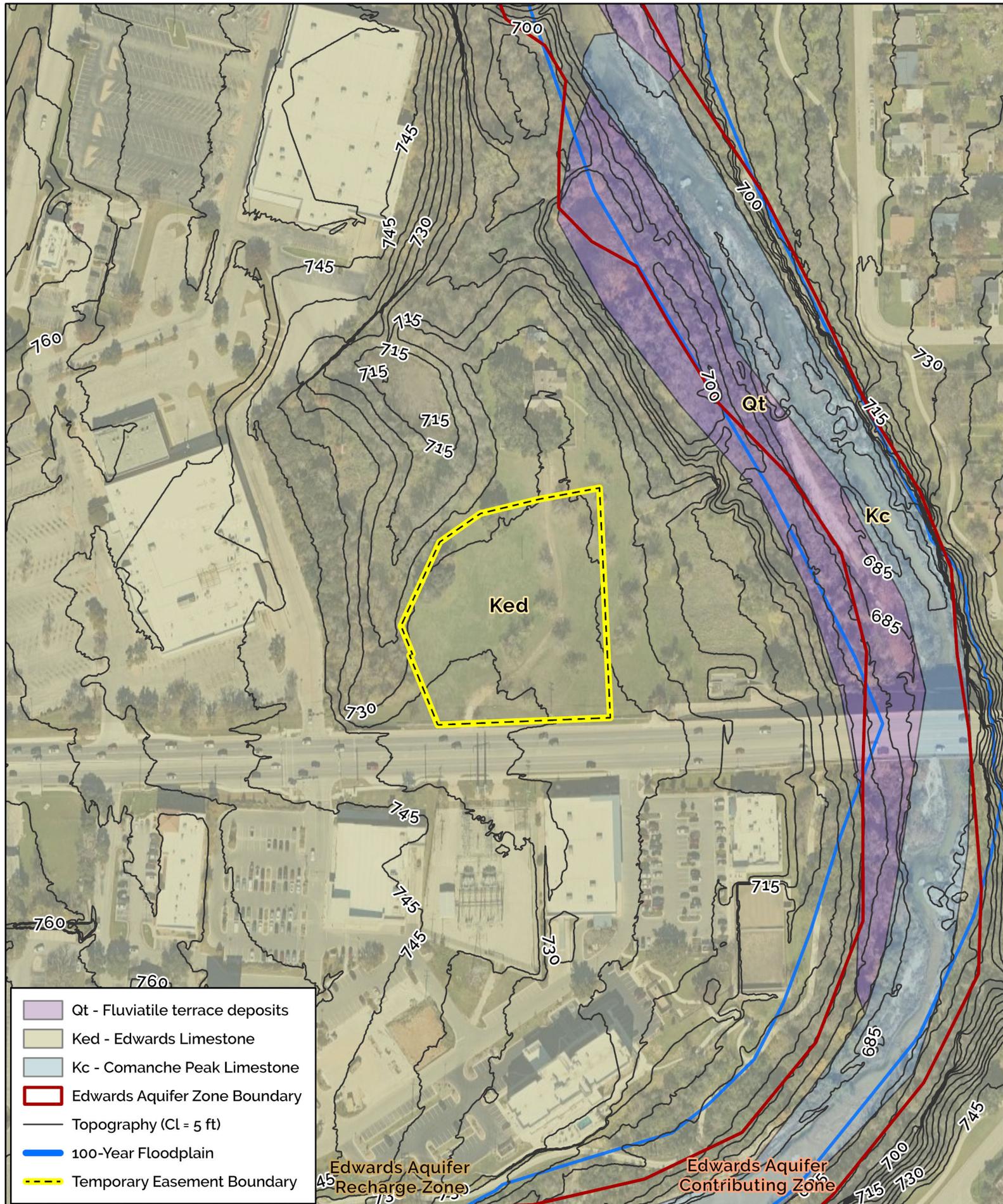
No natural recharge or discharge features nor any manmade features that meet the TCEQ definition of a sensitive feature were observed at the property during the pedestrian survey. There are only a few outcrops of the Edwards Limestone at the property and along the adjacent alignment of the T597 transmission line that connects the Georgetown Substation to the Rivery Substation to the northwest.³ Bedrock is generally covered by flood deposits and vegetation. The type of soils within the property promote runoff rather than infiltration. For these reasons, the site capacity for fluid infiltration is considered low. Stormwater generated from the lease property flows in multiple directions including north to an unnamed channel that drains to the South Fork San Gabriel River and to the east towards the river.

A review of the Texas Water Development Board's groundwater viewer showed no wells within the lease property.⁴ Although the source of water that supplied the historical residence north of the lease property is unknown, it's possible that there were one or more wells or that water was taken from or pumped from the

² Collins, E.W., 2005, Geologic Map of the West Half of the Taylor 30x60 Quadrangle: Central Texas Urban Corridor, Encompassing Round Rock, Georgetown, Salado, Briggs, Liberty Hill, and Leander. Bureau of Economic Geology, The University of Texas at Austin, Texas 78713-8924.

³ Results of a Karst Terrain Feature Survey for the LCRA Georgetown to Rivery (T597) Upgrade Project, Georgetown, Williamson County, Texas. Reports by Cambrian Environmental dated October 29, 2024.

⁴ <https://www3.twdb.texas.gov/apps/WaterDataInteractive/GroundWaterDataViewer>



- Qt - Fluvial terrace deposits
- Ked - Edwards Limestone
- Kc - Comanche Peak Limestone
- Edwards Aquifer Zone Boundary
- Topography (Cl = 5 ft)
- 100-Year Floodplain
- Temporary Easement Boundary



1" = 200' Coordinate System: WGS 1984
 UTM Zone 14N

0 100 200 300 400 Feet

Figure 3 - Site Geologic Map



river. It is believed that the river would have been a reliable water source given the presence of springs that occur in Georgetown near the contact of the Edwards and Comanche Peak Limestones that commonly follows the river course in town.

City of Georgetown Water Quality Regulations

Our desktop research and pedestrian survey of the property included a search for springs and streams in order to comply with the City of Georgetown Unified Development Code related to the protection of the Georgetown Salamander. No springs or streams were identified within the property. The closest known spring is located above the north bank of the South Fork San Gabriel River less than 500 feet southeast of the Georgetown Substation.

Period	Group	Stratigraphic Unit	Hydrologic Unit	Maximum Thickness (Feet)
Quaternary to Tertiary		Stream and river alluvium (Qal)	Overlying Units	70
		Terrace alluvium (Qt)		
		Older alluvium (QTa)		
Upper Cretaceous (Gulf Series)	Taylor	Taylor Clay (Ktl)	Confining Units	300
	Austin	Austin Chalk (Kau)		400
	Eagle Ford	Eagle Ford Shale (Kef)		60
	Washita	Buda Limestone (Kbu)		20
		Del Rio Clay (Kdr)		60
Lower Cretaceous (Comanche Series)	Fredericksburg	Georgetown Limestone (Kgt)	Edwards Aquifer	100
		Edwards Limestone (Ked)		120
		Comanche Peak Formation (Kc)		50
	Trinity	Walnut Formation (Kw)	Confining Unit	140
		Upper Glen Rose Limestone (Kgru)	Upper Trinity Aquifer	200

Table 1. Stratigraphic Column for LCRA Aviation Substation site. Gray shaded unit represents the lithology underlying the project area.⁵

⁵ Northern Williamson County area stratigraphy is from Collins (2005) with common lithologic terms incorporated into stratigraphic unit names.



Photo 1. View to the south at the lease property with the existing substation in the background.



Photo 2. View to the north at the lease property with the John J. Dimmitt House in the background.



Photo 3. View to the southeast at the lease property.



Photo 4. View to the west at the lease property.

Recharge and Transition Zone Exception Request Form

Texas Commission on Environmental Quality

30 TAC §213.9 Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

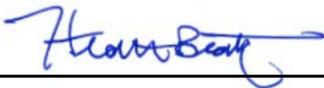
Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Recharge and Transition Zone Exception Request Form** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of Customer/Agent: Heather Beatty

Date: 12/5/2025

Signature of Customer/Agent:



Regulated Entity Name: Georgetown Temporary Substation

Exception Request

- Attachment A - Nature of Exception.** A narrative description of the nature of each exception requested is attached. All provisions of 30 TAC §213 Subchapter A for which an exception is being requested have been identified in the description.
- Attachment B - Documentation of Equivalent Water Quality Protection.** Documentation demonstrating equivalent water quality protection for the Edwards Aquifer is attached.

Administrative Information

- Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions. The copies must be submitted to the appropriate regional office.
- The applicant understands that no exception will be granted for a prohibited activity in Chapter 213.
- The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.

**GEORGETOWN TEMPORARY SUBSTATION
Recharge and Transition Zone Exception Request Form**

ATTACHMENT A – Nature of Exception

An exception request is being submitted due to limited soil disturbance as well as the temporary nature and small-scale of the project. Specifically, an exception is requested from the requirement to provide the Permanent Stormwater Section that is required for a complete water pollution abatement plan, including such information as the increase in runoff velocity caused by the project and minimization of increased in stream velocities.

Soil disturbance will be limited. Electrical equipment associated with the substation will be installed on a grade pad consisting of, from the base to the top; compacted select fill, compacted base material, and rolled 3-inch yard finish rock. The grade pad and the rip rap that surrounds it is the temporary impervious surface. The runoff coefficient for a surface such as this is expected to range between 0.70 and 0.90. The process of removing the substation grade pad and the associated equipment would begin once the existing Georgetown Substation is replaced, in approximately 18 months.

The physical setting of the site is along a flat hilltop and it is also in close proximity to the South Fork San Gabriel River. In other words, the site is topographically “high” but situated “low” in the surface watershed. Design of the project drainage is such that it limits increases in runoff velocities that would be caused by the proposed construction activities.

The site will be restored to a pre-project condition once all of the equipment and foundation materials are removed from the site.

GEORGETOWN TEMPORARY SUBSTATION
Recharge and Transition Zone Exception Request Form

ATTACHMENT B – Documentation of Equivalent Water Quality Protection

Stormwater treatment is provided for the impervious cover which exceeds the TCEQ performance standard of 80% removal of the annual increase total suspended solids (TSS) from the project.

The protection measures will consist of interim vegetated filter strips (IVFS) and a natural vegetative filter strip (NVFS) that will be utilized for the treatment of stormwater runoff from the impervious cover. Both are recognized in TCEQ RG-348 to be 85% efficient in removal of TSS from stormwater runoff. There is also a very small amount of proposed additional impervious cover. Additionally, the annual TSS load originating from the grade pad will be less than that of a parking lot or roadway.

Construction plans illustrate the dimensions and the geometry of the treatment elements to meet or exceed guidance contained in TCEQ RG-348. NVFS are more than 50 feet long. Sheet flow will be promoted at the IVFS with level spreaders as detailed in section 1.3.6 of the technical guidance manual. Please see attached design plans.

No sensitive features were identified in the geologic assessment.



**GEORGETOWN TEMPORARY SUBSTATION
Exception Request
Construction Plans**

See the attached set of Construction Plans. The design calculations and applicable sheets in the plans for the proposed permanent BMPs and measures were prepared by LCRA.

LCRA TRANSMISSION SERVICES CORPORATION

STRUCTURAL & CIVIL ENGINEERING GEORGETOWN

PROJECT: GEORGETOWN PWT UPGRADE - 1031185
 SUB-PROJECT: GEORGETOWN TEMP SUB ADD - 1032995
 FY2025

1.0 General

LCRA TSC will Upgrade Georgetown T1 and Georgetown T2 to 33.6 MVA (138x25:12.5-kV) rated power transformers. The power transformers will be replaced to support Georgetown Utility Service voltage conversion from 12.5-kV to 25-kV.

2.0 Land

Land is owned by LCRA TSC.

3.0 Ownership

Structures are owned by LCRA TSC.

4.0 Environmental

LCRA Environmental has evaluated the potential environmental effects related to this project and has provided recommendations and requirements for construction personnel on ENV-1, ENV-2 and ENV-3. LCRA Environmental has prepared a Storm Water Pollution Prevention Plan (SWPPP) for the project. Any questions concerning environmental measures for this project should be referred to LCRA's assigned Environmental Coordinator, Mike Almendarez (512-578-3306, or 512-354-5646), or LCRA's designated storm water inspector, Chance Simpson (1-800-776-5272 x5634, or 512-468-1117).

5.0 Permits

Site Development permit

6.0 Soils Description:

Based on the site specific geotech report, the soils at the site may consist of Fat Clay, Severely Weathered Limestone & Weathered Limestone.

Geotechnical report prepared by: KLEINFELDER
 Project No. 20234291.009A, Dated: January 29, 2025

DWG. NUMBERS	DRAWING TITLES
S131-C-2000	PROJECT COVER SHEET
S131-C-2001	GENERAL NOTES CIVIL
S131-C-2002	MATERIAL SUMMARY
S131-C-2003	GEOTECHNICAL DATA LOCATION MAP, SOIL BORING LOG & TABLES
S131-C-2004	SITE CONTROL LAYOUT
S131-C-2005	PROPOSED DRAINAGE AREA MAP
S131-C-2006	GRADING LAYOUT
S131-C-2007	GRADING CROSS SECTIONS A1 & A2
S131-C-2008	GRADING CROSS SECTIONS B1 & B2
S131-C-2009	GRADING CROSS SECTION B3
S131-C-2010	GRADING DETAILS
S131-C-2011	FENCE LAYOUT
S131-C-2012	EROSION CONTROL LAYOUT
S131-C-2013	TEMPORARY MOAT DETAILS
S131-C-2014	TREE PROTECTION PLAN
S131-C-2015	SITE RESTORATION PLAN
S131-ENV-1	ENVIRONMENTAL - CONSTRUCTION NOTES
S131-ENV-2	ENVIRONMENTAL - STRUCTURAL PRACTICES
S131-ENV-3	ENVIRONMENTAL - TREE PROTECTION DETAILS

Texas Commission on Environmental Quality
 Water Pollution Abatement Plan
 General Construction Notes

Edwards Aquifer Protection Program Construction Notes - Legal Disclaimer

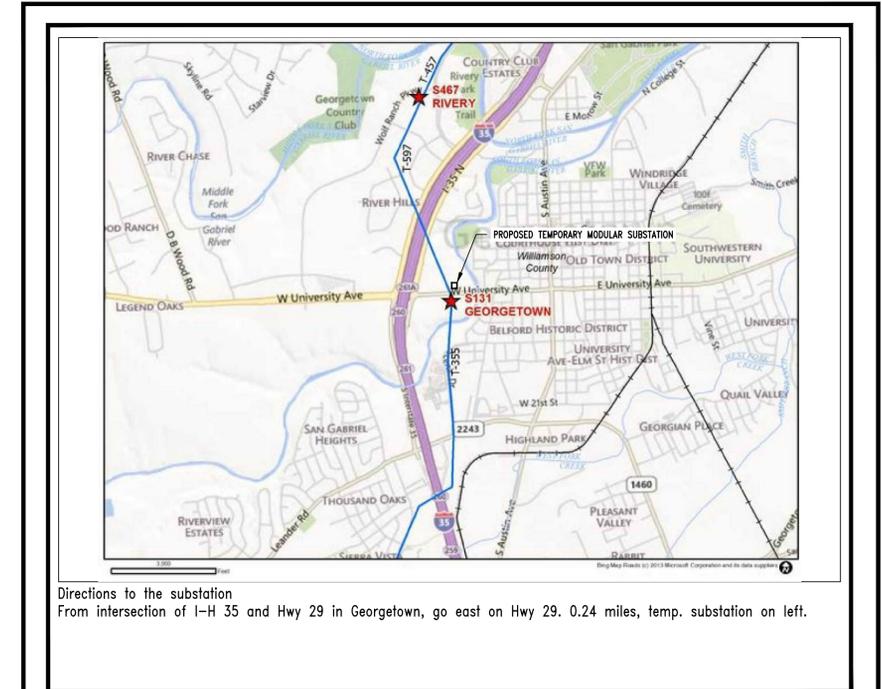
The following/listed "construction notes" are intended to be advisory in nature only and do not constitute an approval or conditional approval by the Executive Director (ED), nor do they constitute a comprehensive listing of rules or conditions to be followed during construction. Further actions may be required to achieve compliance with TCEQ regulations found in Title 30, Texas Administrative Code (TAC), Chapters 213 and 217, as well as local ordinances and regulations providing for the protection of water quality. Additionally, nothing contained in the following/listed "construction notes" restricts the powers of the ED, the commission or any other governmental entity to prevent, correct, or curtail activities that result or may result in pollution of the Edwards Aquifer or hydrologically connected surface waters. The holder of any Edwards Aquifer Protection Plan containing "construction notes" is still responsible for compliance with Title 30, TAC, Chapters 213 or any other applicable TCEQ regulation, as well as all conditions of an Edwards Aquifer Protection Plan through all phases of plan implementation. Failure to comply with any condition of the ED's approval, whether or not in contradiction of any "construction notes," is a violation of TCEQ regulations and any violation is subject to administrative rules, orders, and penalties as provided under Title 30, TAC § 213.10 (relating to Enforcement). Such violations may also be subject to civil penalties and injunction. The following/listed "construction notes" in no way represent an approved exception by the ED to any part of Title 30 TAC, Chapters 213 and 217, or any other TCEQ applicable regulation.

- A written notice of construction must be submitted to the TCEQ regional office at least 48 hours prior to the start of any regulated activities. This notice must include:
 - the name of the approved project;
 - the activity start date; and
 - the contact information of the prime contractor.
- All contractors conducting regulated activities associated with this project must be provided with complete copies of the approved Water Pollution Abatement Plan (WPAP) and the TCEQ letter indicating the specific conditions of its approval. During the course of these regulated activities, the contractors are required to keep on-site copies of the approved plan and approval letter.
- If any sensitive feature(s) (caves, solution cavity, sink hole, etc.) is discovered during construction, all regulated activities near the sensitive feature must be suspended immediately. The appropriate TCEQ regional office must be immediately notified of any sensitive features encountered during construction. Construction activities may not be resumed until the TCEQ has reviewed and approved the appropriate protective measures in order to protect any sensitive feature and the Edwards Aquifer from potentially adverse impacts to water quality.
- No temporary or permanent hazardous substance storage tank shall be installed within 150 feet of a water supply source, distribution system, well, or sensitive feature.
- Prior to beginning any construction activity, all temporary erosion and sedimentation (E&S) control measures must be properly installed and maintained in accordance with the approved plans and manufacturers specifications. If inspections indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations. These controls must remain in place until the disturbed areas have been permanently stabilized.
- Any sediment that escapes the construction site must be collected and properly disposed of before the next rain event to ensure it is not washed into surface streams, sensitive features, etc.
- Sediment must be removed from the sediment traps or sedimentation basins not later than when it occupies 50% of the basin's design capacity.
- Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from being discharged offsite.
- All spoils (excavated material) generated from the project site must be stored on-site with proper E&S controls. For storage or disposal of spoils at another site on the Edwards Aquifer Recharge Zone, the owner of the site must receive approval of a water pollution abatement plan for the placement of fill material or mass grading prior to the placement of spoils at the other site.
- If portions of the site will have a temporary or permanent cease in construction activity lasting longer than 14 days, soil stabilization in those areas shall be initiated as soon as possible prior to the 14th day of inactivity. If activity will resume prior to the 21st day, stabilization measures are not required. If drought conditions or inclement weather prevent action by the 14th day, stabilization measures shall be initiated as soon as possible.
- The following records shall be maintained and made available to the TCEQ upon request:
 - the dates when major grading activities occur;
 - the dates when construction activities temporarily or permanently cease on a portion of the site; and
 - the dates when stabilization measures are initiated.
- The holder of any approved Edwards Aquifer protection plan must notify the appropriate regional office in writing and obtain approval from the executive director prior to initiating any of the following:
 - any physical or operational modification of any water pollution abatement structure(s), including but not limited to ponds, dams, berms, sewage treatment plants, and diversionary structures;
 - any change in the nature or character of the regulated activity from that which was originally approved or a change which would significantly impact the ability of the plan to prevent pollution of the Edwards Aquifer;
 - any development of land previously identified as undeveloped in the original water pollution abatement plan.

Austin Regional Office
 12100 Park 35 Circle, Building A
 Austin, Texas 78753-1808
 Phone (512) 339-2929
 Fax (512) 339-3795

*Brock's note: TBD

VICINITY MAP



Directions to the substation
 From intersection of I-H 35 and Hwy 29 in Georgetown, go east on Hwy 29. 0.24 miles, temp. substation on left.

LATITUDE: 30.6337327
 LONGITUDE: -97.6871245
 Substation Address: XXX XXXXX, TX XXXXX
 Substation Phone #: XXX-XXX-XXXX

PROJECT SITE
 GEORGETOWN
 WILLIAMSON COUNTY

CONTACT INFORMATION		
CHARLES C. WEN, P.E.	ENGINEERING SUPERVISOR	512-578-4506
R. BROCK LANGLEY, P.E.	ENGINEER SENIOR	512-900-0962
JAMES SAYERS, P.E.	ENGINEER	512-730-5358
JASON KING	ENGINEERING ANALYST	512-578-4170

ISSUED FOR
 PERMITTING
 NOT FOR CONSTRUCTION

C	B	A	Ltr.	Date	Revision	By	Chkd.	Appd.	Ltr.	Date	Revision	By	Chkd.	Appd.

DRAWN: J. KING 1032805
 CHECKED: C. WEN
 APPROVED: C. WEN



LCRA TRANSMISSION SERVICES CORPORATION
 AUSTIN, TEXAS
 LOCATION
 GEORGETOWN

CIVIL
 PROJECT COVER SHEET

DATE
 11-20-2025
 SCALE
 NOT TO SCALE
 DWG. NO.
 S131-C-2000

GENERAL:

- 1. CONTRACTOR SHALL BECOME FAMILIAR WITH THE SITE AND ALL ITEMS OF WORK. FAILURE TO UNDERSTAND WORK REQUIREMENTS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION.
2. CONTRACTOR SHALL PERFORM WORK IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
3. ISSUED DRAWINGS AND REVISIONS SHALL BE USED IN CONJUNCTION WITH CURRENTLY ISSUED SPECIFICATIONS. IF DISCREPANCIES ARE DISCOVERED CONTRACTOR SHALL CONTACT ENGINEER FOR CLARIFICATION.
4. THE CONTRACTOR SHALL COORDINATE AND COMPARE THE DRAWINGS OF ALL OTHER DISCIPLINES PRIOR TO CONSTRUCTION AND IS RESPONSIBLE FOR REPORTING ANY DISCREPANCIES.
5. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF CONFLICTS OR DESIGN IMPROVEMENTS.
6. LIMITS OF CONSTRUCTION SHALL BE STRICTLY OBSERVED. CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE STORMWATER POLLUTION PREVENTION PLAN.
7. CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING PROPER EROSION & SEDIMENTATION CONTROLS PER PROVIDED SEALED PLAN(S).
9. CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT RECEIVING WATERS FROM CONSTRUCTION ACTIVITIES. CONTRACTOR SHALL CONTROL SEDIMENT TRANSPORT AND STABILIZE THE WORK AREA DURING CONSTRUCTION.
10. CONTRACTOR IS RESPONSIBLE FOR SECURING THE PROJECT SITE WHEN NOT IN OPERATION. ALL GATES AND FENCING SHALL BE IN PLACE AND LOCKED. ALL EQUIPMENT SHALL BE SECURED IN THEIR DESIGNATED AREAS.
11. CONTRACTOR IS RESPONSIBLE FOR ASSURING THAT ALL WORK IS PERFORMED IN COMPLIANCE WITH APPLICABLE OSHA REQUIREMENTS.
12. CONTRACTOR SHALL PROVIDE APPROPRIATE DUST CONTROL.
13. CONTRACTOR SHALL ENSURE ALL CONTAMINATED MATERIAL IS CONTAINED WITHIN THE LIMITS OF CONSTRUCTION.
14. CONTRACTOR SHALL KEEP THE SITE CLEAN AND MAINTAINED AT ALL TIMES, TO THE SATISFACTION OF LCRA REPRESENTATIVES.
15. CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF TEMPORARY SEDIMENTATION POND PER TCEQ REQUIREMENTS. THE LOCATION OF THE POND SHALL BE APPROVED BY LCRA ENGINEERING PRIOR TO INSTALLATION.

SITE PREPARATION:

- 1. CONTRACTOR TO ENSURE PROPER PROTECTION OF ANY EXISTING UTILITIES DURING CONSTRUCTION.
2. SITE WORK SHALL BE CONFORMED TO THE TECHNICAL SPECIFICATIONS FOR THE CONSTRUCTION OF LCRA SUBSTATION PROJECTS UNLESS OTHERWISE APPROVED.
3. ALL EXCAVATED AREAS TO RECEIVE NEW CONCRETE SHALL HAVE COMPACTED BASE MATERIAL PLACED AT A MINIMUM DEPTH TO MATCH EXISTING CONDITIONS OR MEET OR EXCEED GEOTECHNICAL REPORT RECOMMENDATIONS.
4. ALL ESTIMATED MATERIALS QUANTITIES ARE IN-PLACE QUANTITIES AND DO NOT INDICATE ALL MATERIALS REQUIRED TO COMPLETE THE CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND MATERIALS REQUIRED AS INDICATED ON THE DRAWINGS.
5. ALL SLOPES, INCLINES, AND ROAD BASE ELEVATIONS SHALL MATCH CONDITIONS SHOWN ON ORIGINAL CONSTRUCTION DRAWINGS OR EXISTING CONDITIONS.
6. FOUNDATION DESIGN IS BASED UPON THE SOILS EXPLORATION REPORT NOTED ON THE PROJECT COVER SHEET. ANY SOIL CONDITIONS ENCOUNTERED THAT DIFFERS SIGNIFICANTLY FROM THOSE FOUND IN THE GEOTECHNICAL REPORT SHALL BE REPORTED TO THE ENGINEER.
7. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS RELATING TO EXISTING CONDITIONS BY MAKING FIELD SURVEYS AND MEASUREMENTS PRIOR TO COMMENCING FABRICATION OR CONSTRUCTION.
8. EXISTING UTILITY LOCATIONS ARE APPROXIMATED, HORIZONTAL AND VERTICAL ELEVATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION OR EXCAVATION ACTIVITY. CONTRACTOR SHALL CONTACT TEXAS-811 PRIOR TO ANY GROUND DISTURBANCE.
9. EROSION & SEDIMENTATION CONTROL INSTALLATIONS SHALL FOLLOW ENVIRONMENTAL PLAN INCLUDED IN THE CIVIL PLANS.

DESIGN CODES, LAWS, AND ORDINANCES:

THE DESIGN SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LAWS AND REGULATIONS OF THE FEDERAL GOVERNMENT, THE STATE OF TEXAS, AND WITH THE APPLICABLE INDUSTRY AND LCRA STANDARDS. THE FOLLOWING LAWS, CODES, AND STANDARDS HAVE BEEN IDENTIFIED AS APPLYING TO CIVIL ENGINEERING DESIGN AND CONSTRUCTION.

- 1. FEDERAL OCCUPATIONAL SAFETY AND HEALTH STANDARDS FOR THE CONSTRUCTION INDUSTRY (OSHA), TITLE 29, CODE OF FEDERAL REGULATION (CFR), PART 1910 AND 1926 PART R, "SAFETY STANDARDS FOR STEEL ERECTION"
2. STATE
2.1 ENGINEER SHALL MEET STATE REGISTRATION REQUIREMENTS TO PRACTICE AS A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS.
2.2 TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT), STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES, 2014.
2.3 TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT), HYDRAULIC DESIGN MANUAL.
2.4 TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ), RG-348 TECHNICAL DESIGN MANUAL (EDWARDS AQUIFER REQUIREMENTS)
3. LOCAL
3.1 COUNTY DEVELOPMENT STANDARDS & ORDINANCES
3.2 CITY DEVELOPMENT STANDARDS & ORDINANCES
3.3 REGIONAL STANDARDS & ORDINANCES (E.G., HLWO)
4. INDUSTRY CODES AND STANDARDS
SUBSTATION STRUCTURES AND FOUNDATIONS SHALL BE DESIGNED IN ACCORDANCE WITH:
4.1 AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) MANUAL 113 - SUBSTATION STRUCTURE DESIGN GUIDE (CURRENT EDITION).
4.2 AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7-10. MINIMUM DESIGN STANDARDS FOR BUILDINGS AND OTHER STRUCTURES.
4.3 AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 24-14 FLOOD RESISTANT DESIGN AND CONSTRUCTION
4.4 AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, AASHTO, LRFD BRIDGE DESIGN SPECIFICATIONS, 7TH EDITION.
4.5 AMERICAN CONCRETE INSTITUTE, ACI 318/318R, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (CURRENT EDITION), FOR DESIGN AND PLACEMENT OF STRUCTURAL CONCRETE.
4.6 CONCRETE REINFORCING STEEL INSTITUTE, CRSI, FOR DESIGN AND PLACEMENT OF STRUCTURAL CONCRETE.
4.7 AMERICAN SOCIETY FOR TESTING MATERIALS, ASTM, FOR SPECIFICATION OF STRUCTURAL MATERIALS. THE FOLLOWING CODES AND STANDARDS SHALL BE INCLUDED AS A MINIMUM:
a. ASTM A36/A36M "STANDARD SPECIFICATION FOR STRUCTURAL STEEL"
b. ASTM A53 "STANDARD SPECIFICATION FOR PIPE, STEEL BLACK AND HOT-DIPPED, ZINC COATED, WELDED AND SEAMLESS
c. ASTM A307 "STANDARD SPECIFICATION FOR CARBON STEEL BOLTS, STUDS AND THREADED ROD"
d. ASTM A123 "STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATING ON IRON AND STEEL PRODUCTS"
e. ASTM A153/A153M "SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE
f. ASTM A82 "STANDARD SPECIFICATION FOR STEEL WIRE, PLAIN, FOR CONCRETE REINFORCEMENT"
g. ASTM A615/A615M "STANDARD SPECIFICATION DEFORMED AND PLAIN CARBON-STEEL BARS FOR CONCRETE REINFORCEMENT"

DESIGN LOADS:

DESIGN LOADS FOR ALL STRUCTURES SHALL BE DETERMINED ACCORDING TO THE CRITERIA DESCRIBED BELOW, UNLESS THE APPLICABLE CODE REQUIRES MORE SEVERE DESIGN CONDITIONS.

- 1. DEAD (PERMANENT) LOADS
DEAD LOADS WILL CONSIST OF THE WEIGHTS OF STRUCTURES AND ALL EQUIPMENT OF A PERMANENT OR SEMI-PERMANENT NATURE INCLUDING TANKS, PIPING, DRAINS, AND THE CONTENTS OF EQUIPMENT MEASURED AT FULL OPERATING CAPACITY.
2. LIVE (TRANSIENT) LOADS
2.1 LIVE LOADS SHALL CONSIST OF UNIFORM LIVE LOADS AND EQUIPMENT LIVE LOADS. UNIFORM LIVE LOADS ARE ASSUMED UNIT LOADS WHICH ARE SUFFICIENT TO PROVIDE FOR MOVABLE AND TRANSITORY LOADS, SUCH AS THE WEIGHT OF PEOPLE, PORTABLE EQUIPMENT AND TOOLS, PLANKING AND SMALL EQUIPMENT, OR PARTS WHICH MAY BE MOVED OVER OR PLACED ON FLOORS OR PADS DURING MAINTENANCE OPERATIONS. THE UNIFORM LIVE LOADS SHALL NOT BE APPLIED TO FLOOR OR PAD AREAS THAT WILL BE PERMANENTLY OCCUPIED BY EQUIPMENT.
2.2 EQUIPMENT LOADS WILL BE SPECIFICALLY DETERMINED AND LOCATED. FOR MAJOR EQUIPMENT, STRUCTURAL MEMBERS AND BASES WILL BE SPECIFICALLY LOCATED AND DESIGNED TO CARRY THE EQUIPMENT LOAD INTO THE STRUCTURAL SYSTEM. FOR EQUIPMENT WEIGHING LESS THAN THE UNIFORM LIVE LOAD, THE STRUCTURAL SYSTEM WILL BE DESIGNED FOR THE LIVE LOAD.
3. SOIL LOADS AND HYDROSTATIC PRESSURES
FOR THE DESIGN OF STRUCTURES BELOW GRADE AND RETAINING WALLS, ANALYSIS AND DESIGN SHALL ACCOUNT FOR THE LATERAL PRESSURES INDUCED BY ADJACENT SOIL AND ANY POSSIBLE SURCHARGE INDUCED FROM FIXED OR MOVING LOADS. SOIL LOADS AND HYDROSTATIC PRESSURES CAN BE DUE TO LATERAL EARTH PRESSURE, GROUND WATER PRESSURE, OR PRESSURE OF BULK MATERIALS.
4. SEISMIC (EARTHQUAKE) LOADS
SEISMIC DESIGN FOR BUILDINGS AND NON-BUILDING STRUCTURES WITHIN LCRA SUBSTATIONS SHALL BE CONSIDERED TO BE DESIGNED AS SEISMIC DESIGN CATEGORY A CONDITIONS IN THE OVERALL LCRA TSC SERVICE AREA.
5. CONSTRUCTION LOADS
5.1 CONSTRUCTION AND MAINTENANCE LOADS SHALL BE CONSIDERED AND CAN BE DETERMINED BASED ON AN IEEE STANDARD APPLICABLE TO SUBSTATION STRUCTURES, IEEE 1307 IS AVAILABLE FOR DETERMINING MINIMUM WORKER SAFETY LOADS. THE DESIGN ENGINEER SHALL DETERMINE WHETHER OTHER UNUSUAL LOADS WILL BE APPLIED DURING CONSTRUCTION AND MAINTENANCE OPERATIONS, AND IF SO, THEIR MAGNITUDE.
5.2 TYPICAL AND OVERSIZED EQUIPMENT AND MATERIALS FOR CONSTRUCTION OF THE SUBSTATION INCLUDE ELECTRICAL MATERIALS, STRUCTURAL STEEL, POLES, CONSTRUCTION EQUIPMENT, PICKERS, CRANES AND BOOM TRUCKS, BUCKET TRUCKS, MAN LIFT TRUCKS, CONCRETE TRUCKS, ETC. EXCAVATION EQUIPMENT INCLUDES BLADES, MAINTAINERS, WATER TRUCKS, BACK-HOES, ROLLER COMPACTORS, AND SEMI-TRUCK TRAILERS FOR DIRT, ROAD BASE AND GRAVEL, ETC.
6. TRAFFIC LOADS
6.1 LEGAL LOAD. FEDERAL AND STATE LAWS ESTABLISH MAXIMUM AXLE AND GROSS VEHICLE WEIGHTS TO LIMIT PAVEMENT DAMAGE. THE RANGE OF WEIGHT LIMITS IN THE U.S. VARIES, BASED ON FEDERAL AND STATE LAWS. TYPICAL WEIGHT LIMITS ARE AS FOLLOWS:
SINGLE AXLE - 20 KIPS
TANDEM AXLE - 34 KIPS
GROSS VEHICLE WEIGHT - 80 KIPS
IN GENERAL, THE LEGAL TRUCK USED IN CONSTRUCTION SITES ARE SPECIALIZED HAULING VEHICLES (SHVS) WEIGHING UP TO 80,000 LBS.
6.2 PERMIT LOAD. TYPICAL AXLE WEIGHT LIMITS ARE AS FOLLOWS:
STEERING AXLE (SINGLE AXLE) - 18 KIPS
TANDEM AXLE - 23 KIPS
TRIPLE AXLE - 20.6 KIPS

TRAFFIC CONTROL:

- 1. CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN, WHEN REQUIRED, IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL TO ENGINEER FOR REVIEW PRIOR TO ANY PARTIAL OR COMPLETE ROADWAY CLOSURES. TRAFFIC CONTROL SHALL BE SITE SPECIFIC AND SEALED BY A TEXAS REGISTERED PROFESSIONAL ENGINEER.
2. ALL SIGNS, BARRICADES, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DEVICES, INCLUDING PLACEMENT, SHALL CONFORM TO THE LATEST EDITION OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
3. ALL TRAFFIC CONTROL DEVICES USED AT NIGHT SHALL BE REFLECTORIZED AND/OR ILLUMINATED. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT BATTERIES IN ILLUMINATED DEVICES ARE CHARGED SUCH THAT NO DEVICE FAILS TO OPERATE DURING THE NIGHT.
4. THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN BARRICADES, WARNING SIGNS, FLASHERS, AND OTHER DEVICES OF THE TYPE AND SIZE INDICATED IN THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT REVISION.

STEEL:

- 1. ALL STRUCTURAL STEEL SHAPES SHALL BE ASTM A572 GR 50, (50 KSI).
2. ALL STRUCTURAL STEEL TUBING (SQUARE, RECTANGULAR) SHALL BE ASTM A500 GR C, (50 KSI).
3. ALL STRUCTURAL PIPES SHALL BE SCH. 40 ASTM A500 GR. C, (46 KSI)
4. ALL STEEL SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123.
5. ALL HOLES 1/8" UNLESS NOTED OTHERWISE.
6. PLACE ONE NUT & ONE WASHER ABOVE & BELOW BASE PLATE, TYPICAL UNLESS NOTED OTHERWISE.
7. MATERIAL SHOWN IS FOR ONE STRUCTURE.
8. NO STRUCTURAL MEMBERS SHALL BE CUT OR MODIFIED UNLESS APPROVED BY STRUCTURAL ENGINEER.
9. TEMPORARY BRACING OF STRUCTURAL ELEMENTS IS THE RESPONSIBILITY OF THE CONTRACTOR. STRUCTURAL STABILITY SHALL BE MAINTAINED AT ALL TIMES DURING THE ERECTION PROCESS.
10. REAM BOLT HOLES THAT REQUIRE ENLARGEMENT TO ADMIT BOLTS, WHEN NECESSARY. BURNED OR TORCHED HOLES FOR BOLTED CONNECTIONS ARE NOT PERMITTED.
11. ALL BOLTS SHALL BE ASTM A394-1 OR A325 HIGH-STRENGTH, GALVANIZED, UNLESS NOTED OTHERWISE. BOLTS SHALL BE INSTALLED SNUG TIGHT.
12. ALL WELDS OF GALVANIZED STEEL SHALL BE TOUCHED UP WITH A ZINC-RICH PAINT. ALL WELDS OF CARBON SHEET STEEL SHALL BE TOUCHED UP WITH PAINT. WIRE TYING OF COMPONENTS SHALL NOT BE PERMITTED.

CONCRETE:

- 1. PRIOR TO SAW CUTTING CONCRETE, DIGGING, BORING OR DISTURBANCE OF MATERIAL BELOW FINISH GRADE, CONTRACTOR SHALL VERIFY LOCATIONS OF ALL BURIED UTILITIES INCLUDING POWER, FIBER OPTIC, WATER SUPPLY, SEWAGE, DRAINAGE AND COMMUNICATION.
2. REMOVAL OF EXISTING CONCRETE SHALL OCCUR ONLY AT LOCATIONS SHOWN ON PLAN. ANY ADDITIONAL REMOVAL MUST BE APPROVED BY ENGINEER.
3. ALL CONCRETE SHALL BE A MINIMUM COMPRESSIVE DESIGN STRENGTH OF 4000 PSI AT 28 DAYS.
4. ALL FINISHED CONCRETE SURFACES SHALL ALLOW FOR PROPER DRAINAGE AND NO PONDING.
5. ALL FOUNDATION REBAR SHALL MEET ASTM 615 AND HAVE A MINIMUM YIELD STRENGTH OF 60 KSI.
6. CONCRETE AND EXCAVATION QUANTITIES SHOWN INCLUDE 10% OVERAGE.
7. MINIMUM REINFORCING STEEL CLEAR COVER:
CONCRETE CAST DIRECTLY AGAINST EARTH 3"
SLAB ON GRADE 1-1/2"
DRILLED PIER 3" SIDES, TOP AND BOTTOM
8. REINFORCING STEEL SHALL NOT BE WELDED FOR ANY REASON.
9. ANCHOR BOLTS AND DOWELS SHALL BE LOCATED AND HELD IN SPECIFIED POSITION PRIOR TO CONCRETE PLACEMENT AND SHALL NOT BE PUSHED INTO CONCRETE FOLLOWING POUR.
10. ANCHOR BOLTS SHALL CONFORM TO STANDARD OF ASTM F1554 GRADE 55.
11. POST INSTALLED ANCHORS SHALL ONLY BE ALLOWED WHEN SPECIFIED ON THE DRAWINGS OR APPROVED BY THE ENGINEER.

LAP SPLICES IN CONCRETE:

- 1. LAP SPLICES SHALL BE CLASS 'B' TENSION LAP SPLICES PER LATEST EDITION OF ACI 318, UNLESS NOTED.
2. STAGGER SPLICES A MINIMUM OF ONE LAP LENGTH.
3. ALL SPLICE LOCATIONS ARE SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OF RECORD.
4. PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT ALL CORNERS AND INTERSECTIONS.
5. REINFORCING BAR SPACING GIVEN ARE MAXIMUM ON CENTERS.
6. ALL BARS DETAILING PER CRSI SPECIFICATIONS AND HANDBOOK.
7. DOWEL ALL VERTICAL REINFORCING TO FOUNDATION WITH STANDARD 90 DEGREE HOOKS, UNLESS NOTED.
8. SECURELY TIE ALL BARS IN LOCATION BEFORE PLACING CONCRETE.
9. FOR LAP SPLICES IN BEAMS, TOP BAR SPLICES SHALL BE LOCATED AT MID-SPAN BETWEEN SUPPORTS, AND BOTTOM BAR SPLICES SHALL BE LOCATED OVER SUPPORTS.

VOID FORMS:

- 1. ALL VOID FORMS SHALL BE SUREVOID CORRUGATED PAPER FORMS BY SUREVOID PRODUCTS, INC.
2. VOID FORMS FOR SLABS SHALL HAVE A MINIMUM WORKING LOAD OF 1,000 PSF. CARTON FORMS FOR BEAMS SHALL BE EXTRA HEAVY DUTY STRENGTH WITH A WORKING LOAD OF 2,000 PSF.
3. ALL VOID FORMS SHALL BE A MINIM OF 12' DEEP.
4. AFTER VOID FORMS ARE INSTALLED, PLACE A CONTINUES PROTECTIVE COVER BOARD OF 1/2" HARDBOARD (MASONITE) ON TOP OF ALL FORMS TO PREVENT DAMAGE.
5. ANY VOID FORMS WHICH ARE DAMAGED IN ANY WAY SHALL BE REMOVED AND REPLACED. ANY FORMS WHICH HAVE BEEN REDUCED IN STRENGTH OR ADVERSELY AFFECTED BY WEATHER OR SITE CONDITIONS SHALL BE REMOVED AND REPLACED WITH NEW VOID FORMS.

SHOP DRAWINGS:

- 1. SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL VOIDFORMS, REINFORCING BARS AND FORMWORK.
2. THE CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS PRIOR TO SUBMITTAL. ITEMS NOT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS SHALL BE FLAGGED UPON THEIR REVIEW.
3. ANY CHANGES, SUBSTITUTIONS, OR DEVIATIONS FROM THE CONTRACT DOCUMENTS SHALL BE CLOUDED BY THE MANUFACTURER OR FABRICATOR.
4. THE ENGINEER HAS THE RIGHT TO APPROVE OR DISAPPROVE ANY CHANGES TO THE CONTRACT DOCUMENTS AT ANYTIME BEFORE OR AFTER SHOP DRAWING REVIEW.
5. THE SHOP DRAWINGS DO NOT REPLACE THE CONTRACT DOCUMENTS. ITEMS OMITTED OR SHOWN INCORRECTLY AND ARE NOT FLAGGED BY THE STRUCTURAL ENGINEER ARE NOT TO BE CONSIDERED CHANGES TO CONTRACT DOCUMENTS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE SURE ITEMS ARE CONSTRUCTED TO CONTRACT DOCUMENTS.
6. THE ADEQUACY OF ENGINEERING DESIGN AND LAYOUT PERFORMED BY OTHERS RESTS WITH THE DESIGNING OR SUBMITTING AUTHORITY.
7. REVIEWING IS INTENDED ONLY AS AN AID TO THE CONTRACTOR OBTAINING CORRECT SHOP DRAWINGS. RESPONSIBILITY FOR CORRECTNESS SHALL BE ON THE CONTRACTOR.

ISSUED FOR PERMITTING NOT FOR CONSTRUCTION

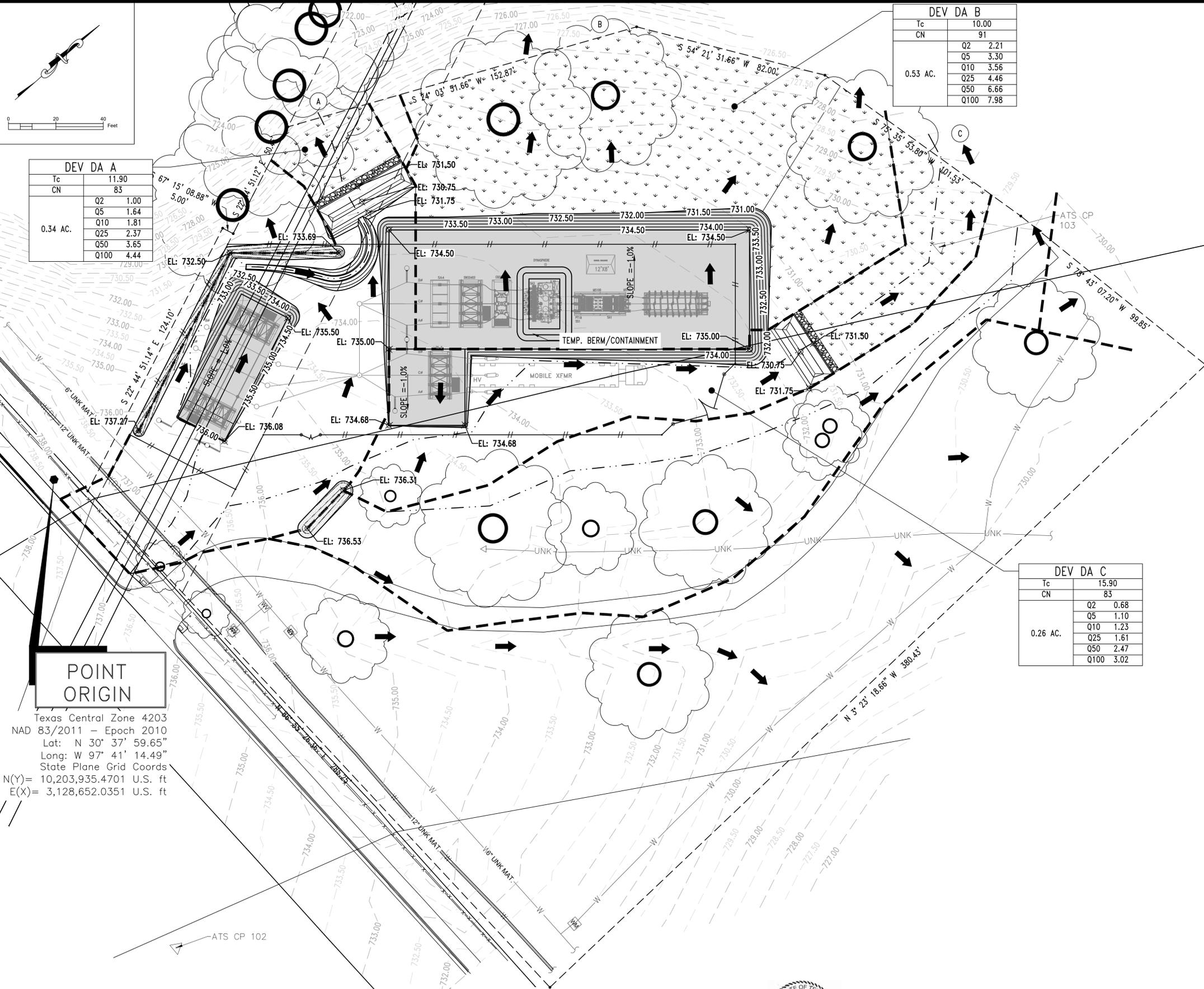
Table with columns for revision tracking: Ltr., Date, Revision, By, Chkd., Appd., Ltr., Date, Revision, By, Chkd., Appd. Includes drawing info: DRAWN: J. KING 1032805, CHECKED: C. WEN, APPROVED: C. WEN



LCRA TRANSMISSION SERVICES CORPORATION
AUSTIN, TEXAS
LOCATION
GEORGETOWN

CIVIL
GENERAL NOTES CIVIL

Table with drawing metadata: DATE 11-20-2025, SCALE NOT TO SCALE, DWG. NO. S131-C-2001



DEV DA B		
Tc	10.00	
CN	91	
0.53 AC.	Q2	2.21
	Q5	3.30
	Q10	3.56
	Q25	4.46
	Q50	6.66
Q100	7.98	

DEV DA A		
Tc	11.90	
CN	83	
0.34 AC.	Q2	1.00
	Q5	1.64
	Q10	1.81
	Q25	2.37
	Q50	3.65
	Q100	4.44

DEV DA C		
Tc	15.90	
CN	83	
0.26 AC.	Q2	0.68
	Q5	1.10
	Q10	1.23
	Q25	1.61
	Q50	2.47
	Q100	3.02

LEGEND			
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	PROPERTY LINE	→	FLOW ARROW
- - - - -	EXISTING MAJOR CONTOUR 1'	○	STUDY POINT
- · - · -	EXISTING MINOR CONTOUR 0.5'	■	IMPERVIOUS COVER
- - - - -	PROPOSED MAJOR CONTOUR 1'		
- · - · -	PROPOSED MINOR CONTOUR 0.5'		
- - - - -	DRAINAGE AREA BOUNDARY		
- · - · -	TIME OF CONCENTRATION		

DRAINAGE DATA		
POA	AREA (ACRES.)	Q100 YR (CFS)
A	0.34	4.44
B	0.53	7.98
C	0.26	3.02

- NOTES:**
- CONTOURS SHOWN AT 0.5' INTERVALS.
 - ALL CALCULATION METHODOLOGY CONFORMS TO TXDOT HYDRAULIC DESIGN MANUAL 2019.
 - FLOODPLAIN NOTE:
NO PORTION OF THIS SITE IS LOCATED WITHIN A SPECIAL FLOOD HAZARD ZONE (SFHZ) MAPPED BY FEMA. THE NEAREST FEMA-MAPPED SFHZ IS SHOWN ON THE FLOOD INSURANCE RATE MAP (FIRM) OF WILLIAMSON COUNTY, MAP NUMBER 48491C0293F, EFFECTIVE DATE 12/20/2019.
 - TOPOGRAPHIC CONTOURS SOURCE: TOPOGRAPHIC BOUNDARY SURVEY PERFORMED BY: LCRA SURVEY ON 03/28/2025, CENTRAL TEXAS.

POINT ORIGIN
 Texas Central Zone 4203
 NAD 83/2011 - Epoch 2010
 Lat: N 30° 37' 59.65"
 Long: W 97° 41' 14.49"
 State Plane Grid Coords
 N(Y)= 10,203,935.4701 U.S. ft
 E(X)= 3,128,652.0351 U.S. ft

Ltr.	Date	Revision	By	Chkd.	Appd.	Ltr.	Date	Revision	By	Chkd.	Appd.
C						F					
B						E					
A						D					

DRAWN: J. KING 1032805
 CHECKED: C. WEN
 APPROVED: C. WEN

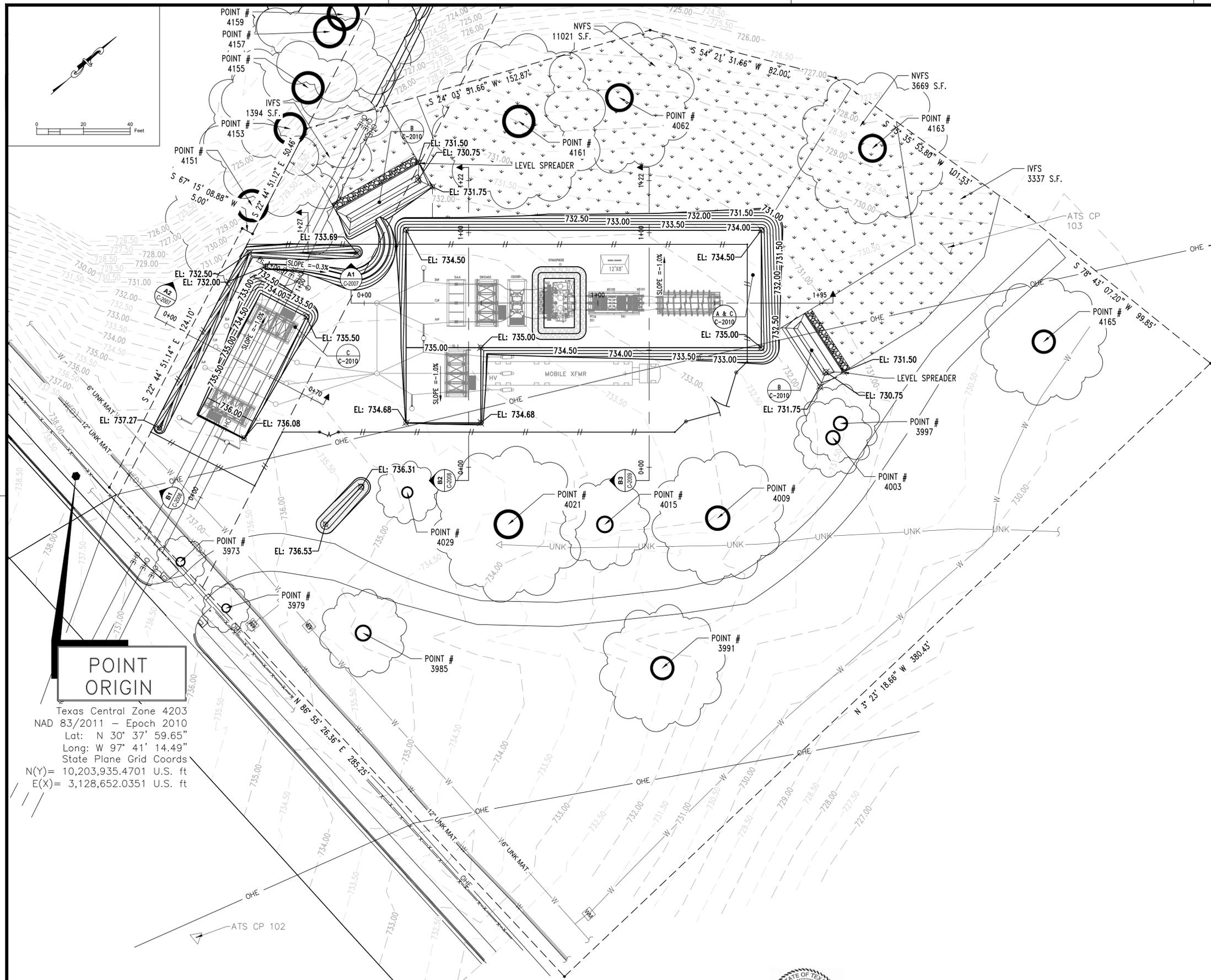


LCRA TRANSMISSION SERVICES CORPORATION
 AUSTIN, TEXAS
 LOCATION
 GEORGETOWN

CIVIL
 PROPOSED DRAINAGE AREA MAP

**ISSUED FOR PERMITTING
 NOT FOR CONSTRUCTION**

DATE
 11-20-2025
 SCALE
 1" = 20'
 DWG. NO.
 S131-C-2005



LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	PROPERTY LINE	●	POLE
-x-	PROPERTY FENCE	⊕	TRANSMISSION POLE
-x-x-	TEMPORARY CHAINLINK FENCE	⊕	GUY ANCHOR
- - - 735.00 - - -	EXISTING MAJOR CONTOUR 1'	⊕	H-FRAME TRANSMISSION POLE
- - - 734.50 - - -	EXISTING MINOR CONTOUR 0.5'	⊕	TRANSMISSION TOWER
- - - 735.00 - - -	PROPOSED MAJOR CONTOUR 1'	⊕	TELEPHONE JUNCTION BOX
- - - 734.50 - - -	PROPOSED MINOR CONTOUR 0.5'	⊕	ELECTRIC JUNCTION BOX
- - -	SILT FENCE	⊕	SOIL BORING
- - -	MULCH SEDIMENT LOG	⊕	8" IRON ROD W/ ALUM. CAP
- - -	OVERHEAD ELECTRIC LINE	⊕	STAMPED "LCRA"
- - -	COMMUNICATIONS LINE	⊕	PROPOSED TL POLE
- - -	(QUALITY LEVEL B)	⊕	TREE WITH DRIPLINE
- - -	BASELINE	⊕	VEGETATED FILTER STRIP
- - -	REMOVED FENCE		
- - -	LIMITS OF CONSTRUCTION		

- GRADING NOTES**
- REMOVE TOP 6" OF ORGANIC MATERIAL FROM 0.36± ACRE SUBSTATION CONSTRUCTION AREA: 290± CU. YDS. (STOCKPILE ON SITE FOR SITE RESTORATION PHASE. SEE SHEET S131-C-2012 FOR DETAILS) (M5)
 - CUT: 26± CU. YDS. (11± CU. YDS. OF HAUL OFF) (M5)
 - FILL: 784± CU. YDS. (784± CU. YDS. OF HAUL IN) (M5)
 - CONSTRUCT SUBSTATION PADS WITH MIN. 12" TxDOT ITEM 247, GRADE 2, TYPE A COMPACTED FLEXIBLE BASE MATERIAL: 784± CU. YDS. (M5)
 - GRAVEL ENTIRE SUBSTATION PADS AND 5' TO 6' OUTSIDE OF TEMPORARY CHAINLINK FENCE WITH 3" YARD FINISH ROCK ASTM C33, NO. 57 CRUSHED LESTONE 1/2" TO 1 1/2" (FINISH ROCK): 116± CU. YDS. (M15)
 - 6" DEEP, RIPRAP 3" TO 5" OPEN GRADED ANGULAR MATERIAL: 85± CU. YDS. (M20)
 - CONSTRUCT EARTHEN BERM 12" TALL X 5' WIDE X 130' LONG: 12± CU. YDS. (M5)
 - CONSTRUCT EARTHEN BERM 12" TALL X 8' WIDE X 22' LONG: 3± CU. YDS. (M5)
 - CONSTRUCT LEVEL SPREADER 12' WIDE X 30' LONG; LINE BOTTOM WITH 4" OF TOPSOIL: 5± CU. YDS. HYDRO SEED & COVER WITH COCONUT JUTE MATTING WITH SOD STAPLES; EDGE WITH 6" X 6" SALT TREATED TIMBER X 30' LONG AND 3' WIDE OF FINISH ROCK ASTM C33, NO. 57 CRUSHED LESTONE 1/2" TO 1 1/2": 1± CU. YDS. WRAPPED IN WIRE MESH = 1. SEE SHEET S131-C-2010 FOR DETAILS.
 - CONSTRUCT LEVEL SPREADER 12' WIDE X 41' LONG; LINE BOTTOM WITH 4" OF TOPSOIL: 6± CU. YDS. HYDRO SEED & COVER WITH COCONUT JUTE MATTING WITH SOD STAPLES; EDGE WITH 6" X 6" SALT TREATED TIMBER X 30' LONG AND 3' WIDE OF FINISH ROCK ASTM C33, NO. 57 CRUSHED LESTONE 1/2" TO 1 1/2": 1± CU. YDS. WRAPPED IN WIRE MESH = 1. SEE SHEET S131-C-2010 FOR DETAILS.
 - ALL ESTIMATED MATERIAL QUANTITIES ARE IN-PLACE QUANTITIES AND DO NOT INDICATE ALL MATERIALS REQUIRED TO COMPLETE CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND MATERIALS AS INDICATED ON DRAWINGS.
 - ELEVATIONS SHOWN ARE AFTER THE ADDITION OF BASE MATERIAL.
 - ALL ROADS ARE 14'-0" WIDE UNLESS OTHERWISE NOTED.
 - ALL ROADS CENTERLINE RADII ARE 100'-0" UNLESS OTHERWISE NOTED.
 - ALL CUT/FILL SLOPES ARE 2.5:1 UNLESS OTHERWISE NOTED.
 - ALL CUT/FILL SLOPES ARE TO BE COVERED IN RIPRAP 6" DEEP UNO OVER GEOTEXTILE FABRIC MIRAFI FW700 OR APPROVED EQUAL: 15,531± SQ. FT.
 - REFER TO THE GEOTECHNICAL REPORT FOR MORE INFORMATION ABOUT SITE SOIL CONDITIONS.
 - ALL TREES ON ANDADJACENT TO THE PROJECT SITE SHALL BE PROTECTED AGAINST DAMAGE TO TRUNKS/LIMBS AND DISTURBANCE OF THE ROOT ZONES WITHIN THE TREE DRIPLINES. SEE SHEET S131-C-2014.

POINT ORIGIN
 Texas Central Zone 4203
 NAD 83/2011 - Epoch 2010
 Lat: N 30° 37' 59.65"
 Long: W 97° 41' 14.49"
 State Plane Grid Coords
 N(Y) = 10,203,935.4701 U.S. ft
 E(X) = 3,128,652.0351 U.S. ft

C				F				DRAWN: J. KING	1032805
B				E				CHECKED: C. WEN	
A				D				APPROVED: C. WEN	
Ltr.	Date	Revision	By	Chkd.	Appd.	Ltr.	Date	Revision	By



LCRA TRANSMISSION SERVICES CORPORATION
 AUSTIN, TEXAS
 LOCATION
 GEORGETOWN

CIVIL
 GRADING LAYOUT

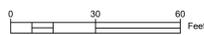
**ISSUED FOR PERMITTING
 NOT FOR CONSTRUCTION**

DATE
 11-20-2025
 SCALE
 1" = 20'
 DWG. NO.
 S131-C-2006



PROFILE VIEW SCALES

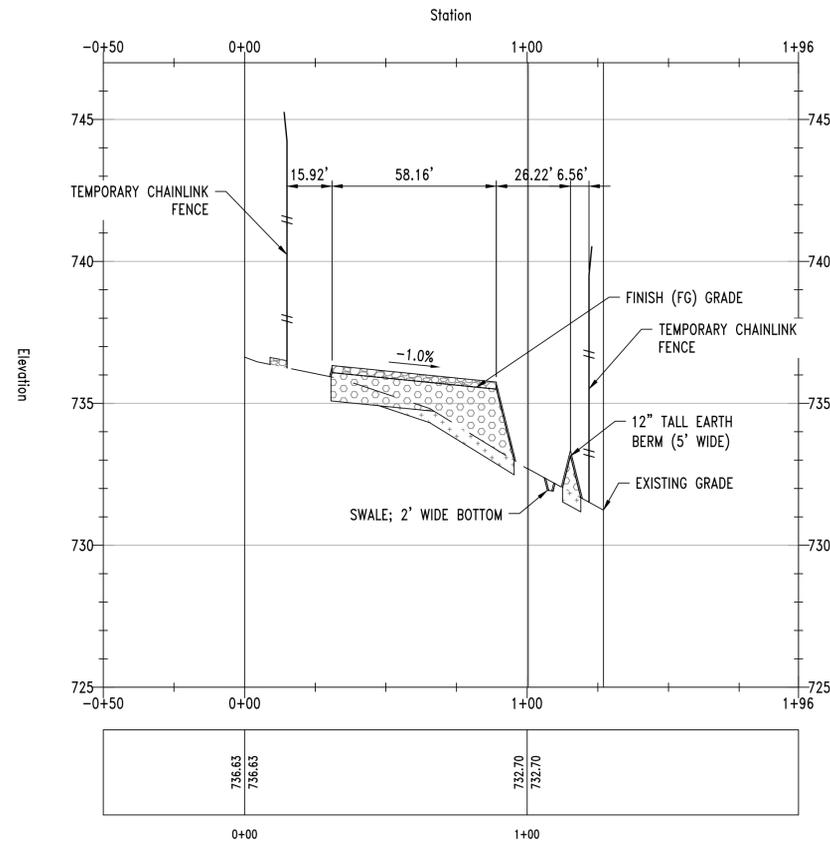
HORIZONTAL



VERTICAL



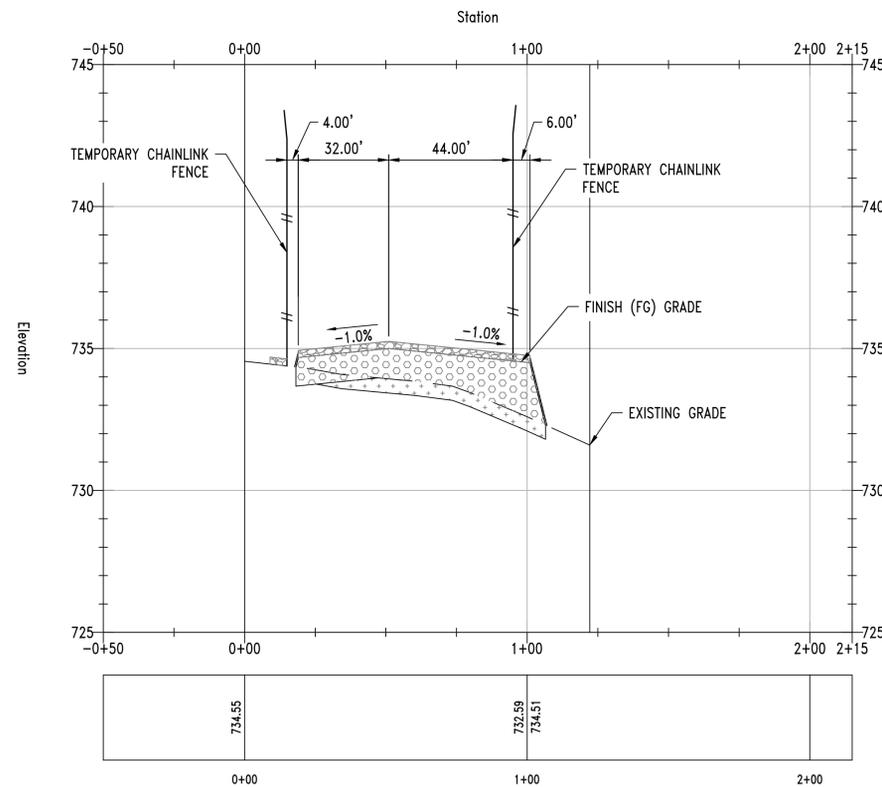
SECTION B1-B1 PROFILE



LEGEND

SYMBOL	DESCRIPTION
	4" TO 6" RIP-RAP OVER GEOTEXTILE FABRIC (MIRAFI FW700 OR APPROVED EQUAL)
	3" YARD FINISH ROCK
	12" BASE TXDOT ITEM 247 TYPE A GRADE 1-2 (COMPACT TO 95% TEX-114-E)
	6" ORGANICS REMOVAL

SECTION B2-B2 PROFILE



**ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION**

C					F															
B					E															
A					D															
Ltr.	Date	Revision	By	Chkd.	Appd.	Ltr.	Date	Revision	By	Chkd.	Appd.	Ltr.	Date	Revision	By	Chkd.	Appd.	Ltr.	Date	Revision

DRAWN: J. KING 1032805
 CHECKED: C. WEN
 APPROVED: C. WEN



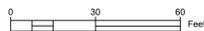
LCRA TRANSMISSION SERVICES CORPORATION
 AUSTIN, TEXAS
 LOCATION
 GEORGETOWN

CIVIL
 GRADING CROSS
 SECTIONS B1 & B2

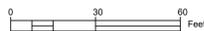
DATE
 11-20-2025
 SCALE
 HORZ: 1" = 30' VERT: 1" = 3'
 DWG. NO.
 S131-C-2008

PROFILE VIEW SCALES

HORIZONTAL



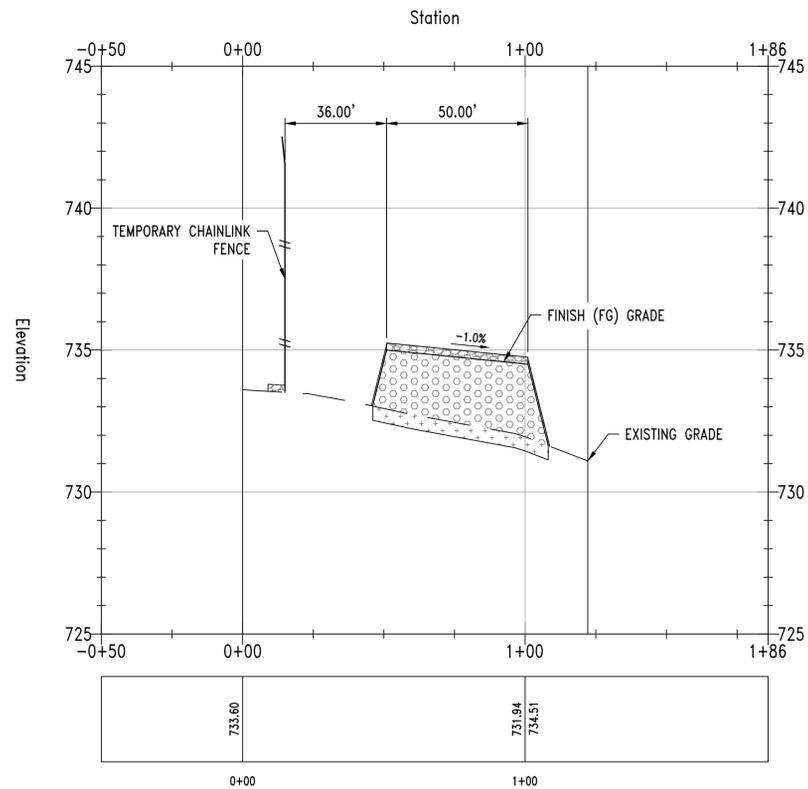
VERTICAL



LEGEND

SYMBOL	DESCRIPTION
	4" TO 6" RIP-RAP OVER GEOTEXTILE FABRIC (MIRAFI FW700 OR APPROVED EQUAL)
	3" YARD FINISH ROCK
	12" BASE TXDOT ITEM 247 TYPE A GRADE 1-2 (COMPACT TO 95% TEX-114-E)
	6" ORGANICS REMOVAL

SECTION B3-B3 PROFILE



**ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION**

Ltr.	Date	Revision	By	Chkd.	Appd.	Ltr.	Date	Revision	By	Chkd.	Appd.
C						F					
B						E					
A						D					

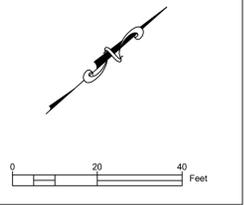
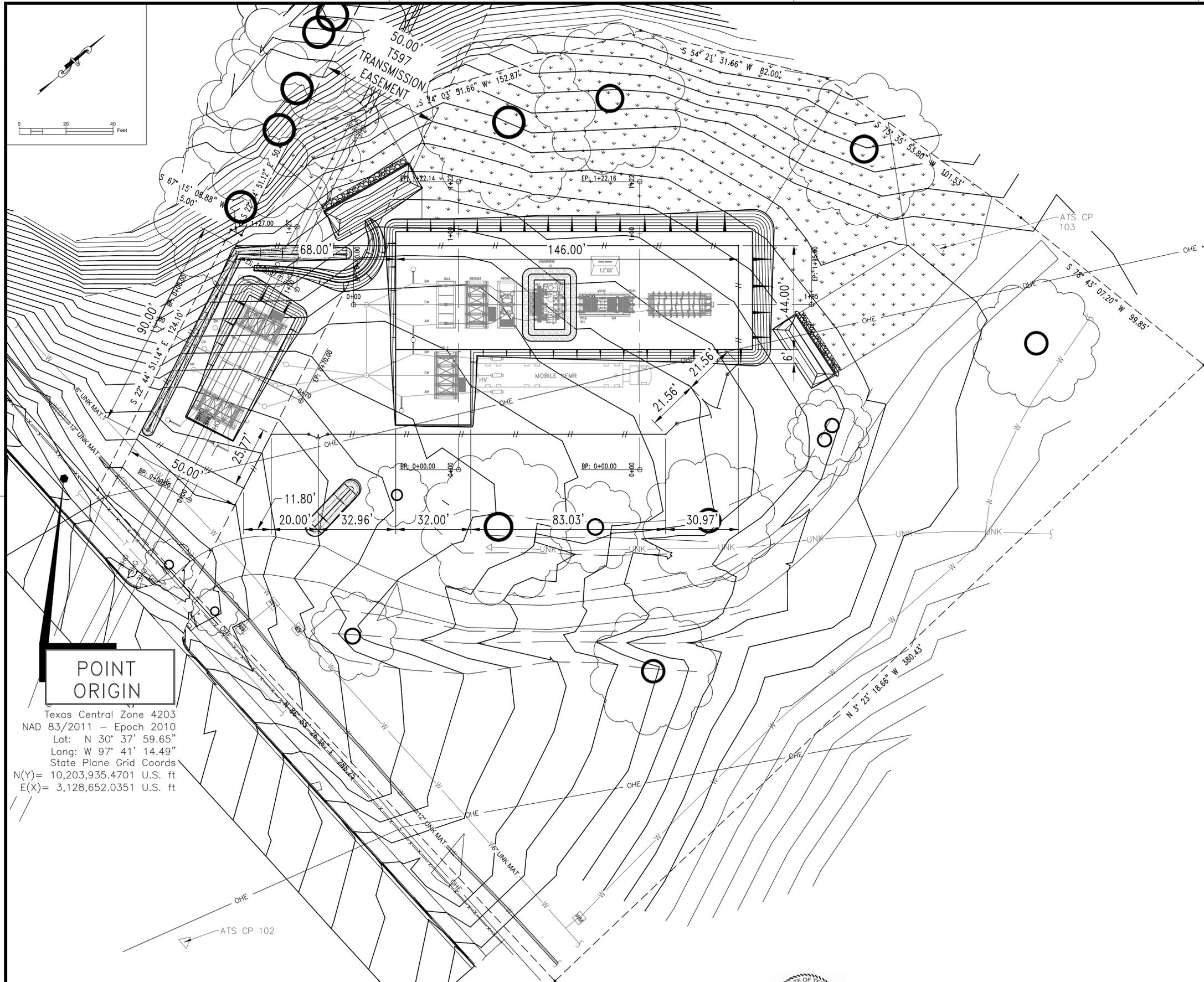
DRAWN: J. KING 1032805
 CHECKED: C. WEN
 APPROVED: C. WEN



LCRA
 ENERGY-WATER-COMMUNITY SERVICES
 LCRA TRANSMISSION SERVICES CORPORATION
 AUSTIN, TEXAS
 LOCATION
 GEORGETOWN

CIVIL
 GRADING CROSS
 SECTION B3

DATE
 11-20-2025
 SCALE
 HORZ: 1" = 30' VERT: 1" = 3'
 DWG. NO.
 S131-C-2009



LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	PROPERTY LINE	●	POLE
-x-	PROPERTY FENCE	⊙	TRANSMISSION POLE
-x-x-	TEMPORARY CHAINLINK FENCE	⊕	GUY ANCHOR
- - - 735.00	EXISTING MAJOR CONTOUR 1'	⊕	H-FRAME TRANSMISSION POLE
- - - 734.50	EXISTING MINOR CONTOUR 0.5'	⊕	TRANSMISSION TOWER
- - - 735.00	PROPOSED MAJOR CONTOUR 1'	⊕	TELEPHONE JUNCTION BOX
- - - 734.50	PROPOSED MINOR CONTOUR 0.5'	⊕	ELECTRIC JUNCTION BOX
- - -	SILT FENCE	⊕	SOIL BORING
- - -	MULCH SEDIMENT LOG	⊕	5" IRON ROD W/ ALUM. CAP
- - -	OVERHEAD ELECTRIC LINE	⊕	STAMPED "LCRA"
- - -	COMMUNICATIONS LINE (QUALITY LEVEL B)	⊕	PROPOSED TL POLE
- - -	BASELINE	⊕	TREE WITH DRIPLINE
- - -	REMOVED FENCE	⊕	VEGETATED FILTER STRIP
- - -	LIMITS OF CONSTRUCTION		

NOTES

- HORIZONTAL DATUM: NAD 83/2011 - EPOCH 2010
- VERTICAL DATUM: NAVD 88 - GEOID12A
- SUBSTATION FENCE IS PARALLEL & PERPENDICULAR TO PROPERTY LINE.
- EXISTING UTILITY LOCATIONS ARE APPROXIMATED. HORIZONTAL AND VERTICAL ELEVATIONS SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION OR EXCAVATION ACTIVITY.
- ALL ESTIMATED MATERIALS QUANTITIES ARE IN-PLACE QUANTITIES AND DO NOT INDICATE ALL MATERIALS REQUIRED TO COMPLETE THE CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES AND MATERIALS REQUIRED AS INDICATED ON THE DRAWINGS.

TEMPORARY CHAINLINK FENCE NOTES

- INSTALL 603± LINEAR FEET OF 8'-0" TALL TEMPORARY CHAIN LINK FENCE.
- INSTALL 1 8' DOUBLE SWING WALK-IN GATE(S).
- INSTALL 1 30' DOUBLE SWING GATE(S).
- INSTALL 4" OF SECURITY CHAIN FOR EACH GATE OPENING. PROVIDED BY LCRA.
- INSTALL ONE (1) PADLOCK FOR EACH GATE OPENING. PROVIDED BY LCRA.

FENCING CONTRACTOR PICK-UP

FENCING MATERIALS	STOCK#
8' ~ CHAIN, SECURITY, 3/8", SQUARE LINK, CASE-HARDENED ALLOY, 4'/GATE	2809007120
2 ~ PADLOCK, BRASS BODY, HARDENED SS 2" SHACKLE, STAMPED "LCRA/SUB"	2807042240

POINT ORIGIN
 Texas Central Zone 4203
 NAD 83/2011 - Epoch 2010
 Lat: N 30° 37' 59.65"
 Long: W 97° 41' 14.49"
 State Plane Grid Coords
 N(Y)= 10,203,935.4701 U.S. ft
 E(X)= 3,128,652.0351 U.S. ft

C				F				DRAWN: J. KING	1032805
B				E				CHECKED: C. WEN	
A				D				APPROVED: C. WEN	
Ltr.	Date	Revision	By	Chkd.	Appd.	Ltr.	Date	Revision	By

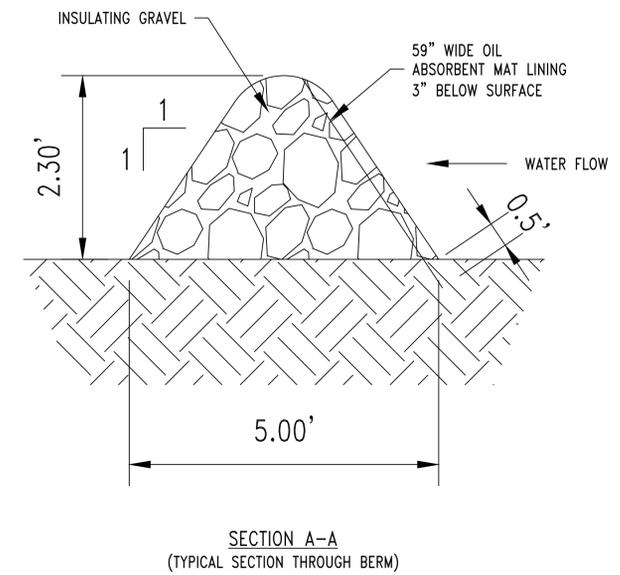
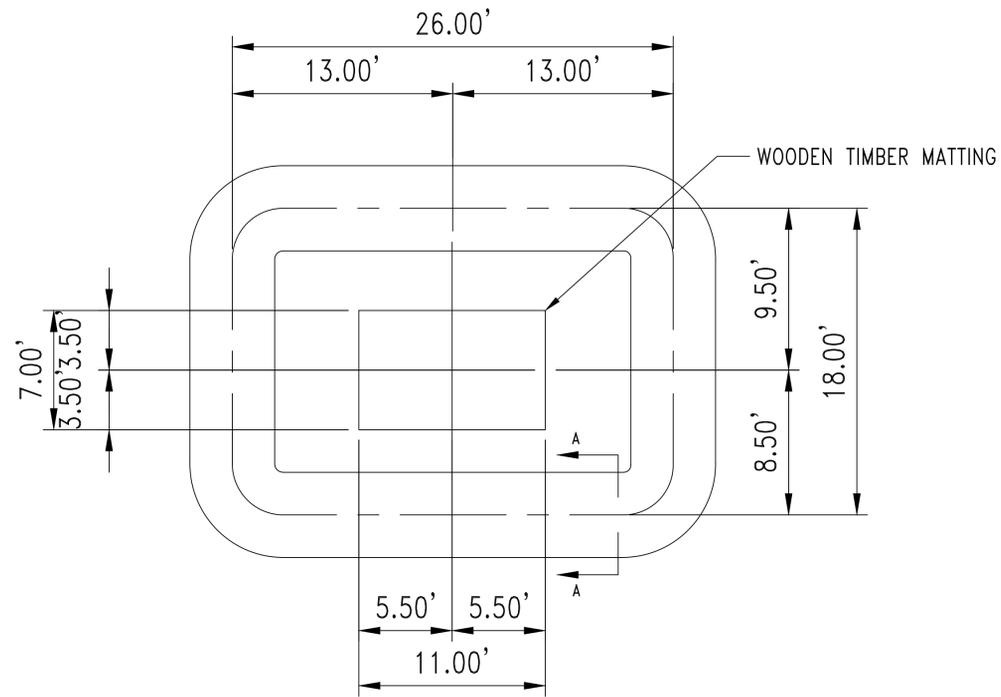


LCRA
 ENERGY-WATER-COMMUNITY SERVICES

LCRA TRANSMISSION SERVICES CORPORATION
 AUSTIN, TEXAS
 LOCATION
 GEORGETOWN

CIVIL	DATE
	11-20-2025
	SCALE
	1" = 20'
	DWG. NO.
	S131-C-2011

**ISSUED FOR PERMITTING
 NOT FOR CONSTRUCTION**



- NOTES:
1. CONSTRUCT BERM AS SHOWN ON DETAILS, ADJUST AS NECESSARY.
 2. USE 1/2"Ø TO 1 1/2"Ø CLEAN, CRUSHED, LIMESTONE FOR BERM CONSTRUCTION AS SHOWN IN SECTION A-A.
 3. INSTALL OIL ABSORBENT MAT MIN 6" DEEP TO PREVENT WATER FROM UNDERMINING BARRIER.
 4. WRAP WITH OIL ABSORBENT MAT MIN 6" DEEP AROUND EXISTING CONDUITS.
 5. WOODEN TIMBER MATTING AND TRANSFORMER SHALL BE SET IN PLACE PRIOR TO SECONDARY CONTAINMENT CONSTRUCTION.
 6. REMOVE EXISTING INSULATING GRAVEL TO COMPACT AND LEVEL EXISTING ROAD BASE SURFACE BEFORE PLACING WOODEN TIMBER MATTING.

ISSUED FOR
PERMITTING
NOT FOR CONSTRUCTION

C					F					DRAWN: J. KING	1032805
B					E					CHECKED: C. WEN	
A					D					APPROVED: C. WEN	
Ltr.	Date	Revision	By	Chkd.	Appd.	Ltr.	Date	Revision	By	Chkd.	Appd.



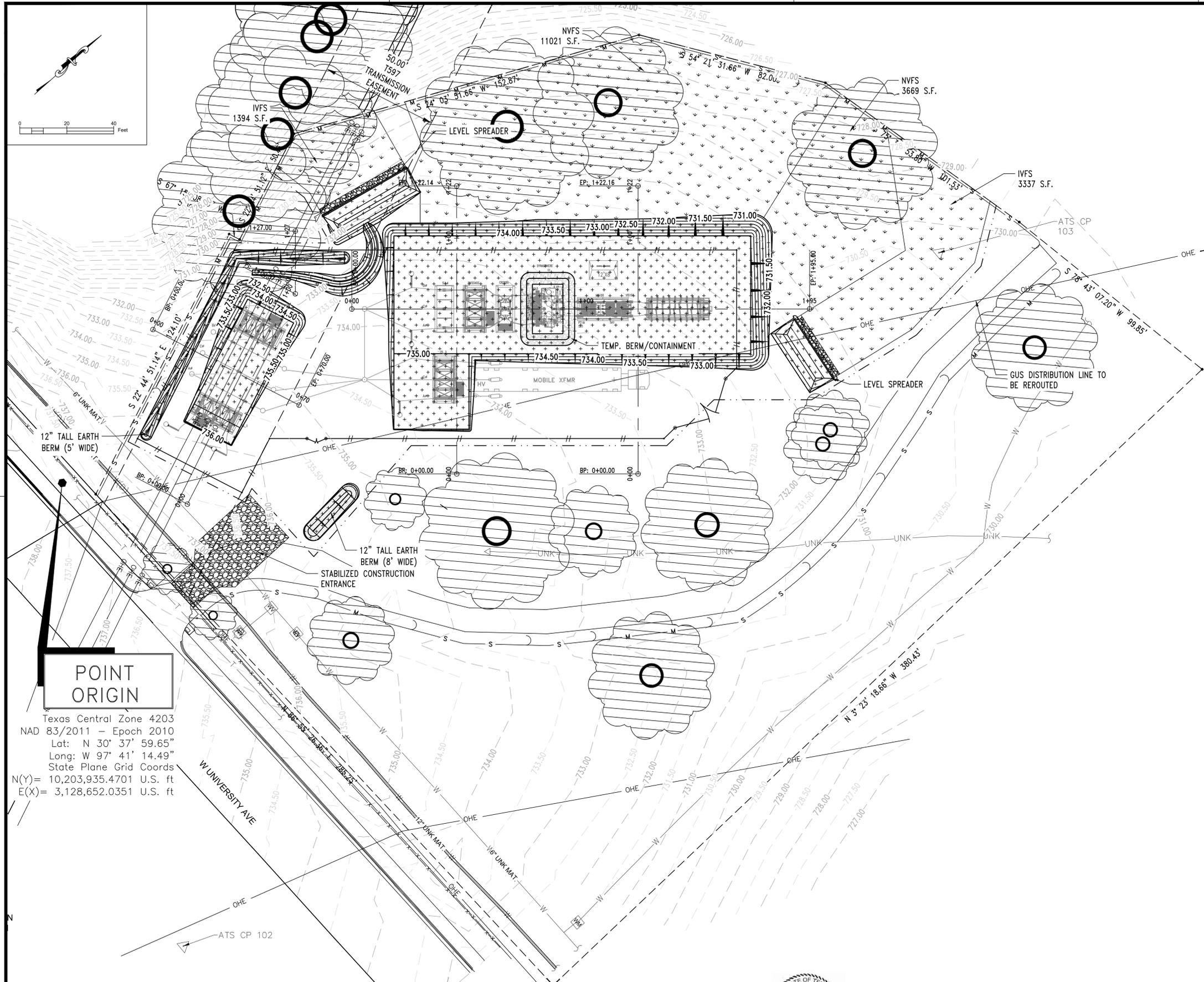
LCRA
ENERGY-WATER-COMMUNITY SERVICES

LCRA TRANSMISSION SERVICES CORPORATION
AUSTIN, TEXAS
LOCATION
GEORGETOWN

CIVIL

TEMPORARY MOAT DETAILS

DATE
11-20-2025
SCALE
NOT TO SCALE
DWG. NO.
S131-C-2013



POINT ORIGIN
 Texas Central Zone 4203
 NAD 83/2011 - Epoch 2010
 Lat: N 30° 37' 59.65"
 Long: W 97° 41' 14.49"
 State Plane Grid Coords
 N(Y) = 10,203,935.4701 U.S. ft
 E(X) = 3,128,652.0351 U.S. ft

LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
---	PROPERTY LINE	●	POLE
-x-	PROPERTY FENCE	○	TRANSMISSION POLE
-x-x-	TEMPORARY CHAINLINK FENCE	○	GUY ANCHOR
-735.00-	EXISTING MAJOR CONTOUR 5'	○	H-FRAME TRANSMISSION POLE
-734.50-	EXISTING MINOR CONTOUR 1'	○	TRANSMISSION TOWER
-735.00-	PROPOSED MAJOR CONTOUR 5'	○	TELEPHONE JUNCTION BOX
-734.50-	PROPOSED MINOR CONTOUR 1'	○	ELECTRIC JUNCTION BOX
-s-	SILT FENCE	○	SOIL BORING
-m-	MULCH SEDIMENT LOG	○	5" IRON ROD W/ ALUM. CAP
-OP-	OVERHEAD ELECTRIC LINE	○	STAMPED "LCRA"
-CB-	COMMUNICATIONS LINE (QUALITY LEVEL B)	○	PROPOSED TL POLE
---	BASELINE	○	SITE IMPROVEMENTS TO BE REMOVED & AREAS GRADED/ REVEGETATED
-x-x-	REMOVED FENCE	○	TREE PROTECTION AREAS; ROUTE HEAVY EQUIPMENT AND VEHICLES OUTSIDE THESE AREAS
-x-x-	LIMITS OF CONSTRUCTION	○	TREE WITH DRIFLINE

SITE RESTORATION NOTES:

- BEFORE WORK OR EQUIPMENT IS TO BE BROUGHT ONTO SITE, A MINIMUM OF 2"-3" OF EXISTING TOPSOIL WILL NEED TO BE REMOVED AND STOCKPILED (LOCATION TBD) FOR LATER USE DURING VEGETATION RESTORATION EFFORTS.
- REMOVAL OF ROAD BASE (0.5 ACRES) ONCE CONSTRUCTION IS COMPLETED.
 - MECHANICALLY REMOVE ALL COMPACTED ROAD BASE MATERIAL.
 - HAUL OFF DEBRIS TO AN APPROVED DISPOSAL SITE.
- TOPSOIL ADDITION: APPLY 2" INCHES OF 'CERTIFIED CLEAN TOPSOIL' SPREAD EVENLY WHERE TEMPORARY SUBSTATION WAS STAGED; THEN BLEND IN THE TOPSOIL THAT WAS REMOVED BEFORE WORK BEGAN TO THE AREA.
 - TOPSOIL MUST BE SOURCED FROM A LOCATION FREE OF INVASIVE SPECIES AND CONTAMINANTS; AND CREEK/RIVERBED SCREENED MATERIAL IS NOT ALLOWED.
 - DISKING: DISK THE CERTIFIED CLEAN TOPSOIL WITH STOCKPILED SITE-REMOVED TOPSOIL WITHOUT COMPACTION TO ALLOW WATER INFILTRATION.
 - INCORPORATE ORGANIC MATTER IF AVAILABLE TO ENHANCE SOIL FERTILITY.
- HYDROSEEDING: USE FLEXTERRA XP-FGM HYDROSEEDING MATERIAL @ A RATE OF 3000-3500 LBS/ACRE (ALONG WITH JUMPSTART @ 2.5 GALS/ACRE, 400 LBS OF TRIPLE 13 FERTILIZER, AND WITH THE SPECIFIC SEED MIX FOR SITE LOCATION WHICH CAN BE OBTAINED FROM NATIVE AMERICAN SEED ([HTTPS://SEEDSOURCES.COM/](https://seedsources.com/)) FOR THE BLACKLAND PRAIRIE AND EDWARDS PLATEAU ECO-REGIONS.
- IF RESTORATION WORK IS TO BE PERFORMED DURING THE FALL/WINTER SEASON; THE ADDITIONAL MIX OF OATS, WHEAT, AND CEREAL RYE @ RATE OF 50 LBS/ACRE WILL BE ADDED TO NATIVE SUMMER MIX APPLICATION.
- TIMING: BEST TIME TO SEED: LATE FALL (OCTOBER-NOVEMBER) OR EARLY SPRING (FEBRUARY-MARCH). FALL SEEDING ALLOWS FOR NATURAL STRATIFICATION AND SPRING GERMINATION.
- WATERING SCHEDULE
 - WEEKS 1-4: WATER 2-3 TIMES PER WEEK TO MAINTAIN CONSISTENT MOISTURE.
 - WEEKS 5-8: REDUCE TO ONCE WEEKLY UNLESS RAINFALL IS INSUFFICIENT.
 - AFTER 2 MONTHS: WATER ONLY DURING EXTENDED DRY PERIODS.
- USE OF WATER TRUCK WILL BE REQUIRED WITH USE OF MIST/SPRINKLER HEAD NOZZLE TO PREVENT EROSION OF RESTORATION SITE.
- EROSION CONTROLS: SILT FENCE AND 12" DIAMETER SEDIMENT MULCH LOGS WILL REMAIN IN PLACE UNTIL 70% STABILIZATION OF SITE HAS BEEN ACCOMPLISHED. ONCE ACHIEVED, SEDIMENT LOGS WILL BE CUT OPEN, AND MULCH WILL BE SPREAD OUT FOR THE ORGANIC MATERIAL TO DECOMPOSE AND LOG NETTING WILL BE DISPOSED OF.

**ISSUED FOR PERMITTING
NOT FOR CONSTRUCTION**

C					F					11/20/2025	1032805	APPROVED: C. WEN
B					E							CHECKED: C. WEN
A					D							
Ltr.	Date	Revision	By	Chkd.	Appd.	Ltr.	Date	Revision	By	Chkd.	Appd.	



LCRA
 ENERGY-WATER-COMMUNITY SERVICES

LCRA TRANSMISSION SERVICES CORPORATION
 AUSTIN, TEXAS
 LOCATION
 GEORGETOWN

CIVIL

SITE RESTORATION PLAN

DATE	11-20-2025
SCALE	1" = 20'
DWG. NO.	S131-C-2015

Temporary Stormwater Section

Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(A), (B), (D)(I) and (G); Effective June 1, 1999

To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.

Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.

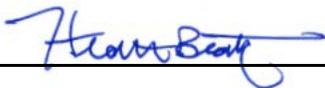
Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Temporary Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Print Name of Customer/Agent: Heather Beatty

Date: 12/5/2025

Signature of Customer/Agent:



Regulated Entity Name: Georgetown Temporary Substation

Project Information

Potential Sources of Contamination

Examples: Fuel storage and use, chemical storage and use, use of asphaltic products, construction vehicles tracking onto public roads, and existing solid waste.

1. Fuels for construction equipment and hazardous substances which will be used during construction:

The following fuels and/or hazardous substances will be stored on the site: diesel, gasoline, lubricants, concrete curing compound

These fuels and/or hazardous substances will be stored in:

- Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year.

- Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.
- Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.
- Fuels and hazardous substances will not be stored on the site.
- 2. **Attachment A - Spill Response Actions.** A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.
- 3. Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.
- 4. **Attachment B - Potential Sources of Contamination.** A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

Sequence of Construction

- 5. **Attachment C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.
 - For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.
 - For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.
- 6. Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: South Fork San Gabriel River

Temporary Best Management Practices (TBMPs)

Erosion control examples: tree protection, interceptor swales, level spreaders, outlet stabilization, blankets or matting, mulch, and sod. Sediment control examples: stabilized construction exit, silt fence, filter dikes, rock berms, buffer strips, sediment traps, and sediment basins. Please refer to the Technical Guidance Manual for guidelines and specifications. All structural BMPs must be shown on the site plan.

- 7. **Attachment D – Temporary Best Management Practices and Measures.** TBMPs and measures will prevent pollution of surface water, groundwater, and stormwater. The construction-phase BMPs for erosion and sediment controls have been designed to retain sediment on site to the extent practicable. The following information is attached:

- A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.
 - A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
 - A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
 - A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.
8. The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.
- Attachment E - Request to Temporarily Seal a Feature.** A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
 - There will be no temporary sealing of naturally-occurring sensitive features on the site.
9. **Attachment F - Structural Practices.** A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.
10. **Attachment G - Drainage Area Map.** A drainage area map supporting the following requirements is attached:
- For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
 - For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
 - For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
 - There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

- There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.
11. **Attachment H - Temporary Sediment Pond(s) Plans and Calculations.** Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.
- N/A
12. **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
13. All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
14. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).
15. Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.
16. Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

Soil Stabilization Practices

Examples: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, or preservation of mature vegetation.

17. **Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices.** A schedule of the interim and permanent soil stabilization practices for the site is attached.

18. Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
19. Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

Administrative Information

20. All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.
21. If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.
22. Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

GEORGETOWN TEMPORARY SUBSTATION

Temporary Stormwater Section

ATTACHMENT A - Spill Response Actions

The contractor will utilize a mobile service for fueling and mechanical support at the site. No storage tank usage is anticipated given the limited work space. Fuel transfers will utilize drip pans to the extent practical, in order to minimize incidental drips onto the ground.

The measures to be taken to contain spills of hydrocarbons or hazardous substances are as follows:

- If it is safe to do so, identify the source and stop the leak or spill.
- Eliminate ignition sources, including engines.
- Establish containment around the spill or ensure that established containment is secure (i.e., place booms, dirt or sorbent, or any other activity that is safe and will keep the release material from spreading).
- Call for outside help, if necessary.
- Review the TCEQ website: *Spills, Discharges and Releases* (<https://www.tceq.texas.gov/response/spills>).
- If the volume released exceeded the reportable quantity (25 gallons to land or a sheen to water), call the National Response Center (800-424-8802) and the Texas Emergency Oil Spill and Hazardous Substance Reporting (24-Hour) (800-832-8224).
- Supervise containment, repairs and remediation activities.
- Ensure that all wastes are properly collected and disposed.
- Conduct sampling, if necessary, to document the removal of all spilled materials.
- Document the event and remediation in the Storm Water Pollution Prevention Plan (SWPPP).

GEORGETOWN TEMPORARY SUBSTATION Temporary Stormwater Section

ATTACHMENT B - Potential Sources of Contamination

The potential sources of contamination of stormwater from construction operations include: sediment from exposed soils after minor excavation, topsoil stockpiling, exposed berms, and work staging areas. Other potential sources of pollution are accidental spills of fuels, lubricants, or antifreeze. Activities that have a limited potential to contaminate stormwater would include:

- Storage, staging and lay-down of equipment;
- Concrete used for fence footings;
- Areas used to perform maintenance on construction equipment;
- Fuel, lubricant, and antifreeze leaks and spills from construction equipment or dump trucks;
- Oil/condensate leaks to the surrounding environment due to construction accidents; and
- Trash and debris.

In addition, the contractor will be responsible for preparing and implementing the Storm Water Pollution Prevention Plan (SWPPP) which describes all measures that will be taken to address environmental requirements, including erosion/sediment controls, equipment maintenance, fueling practices, handling of materials and waste, employee training, etc. Contractor responsibilities will also be clearly specified in the general construction contract.

GEORGETOWN TEMPORARY SUBSTATION Temporary Stormwater Section

ATTACHMENT C - Sequence of Major Activities

For all activities in the sequence of construction listed below, erosion and sediment control measures have been included in the construction plans to lessen the impact of soil disturbance during construction. Please refer to the construction plans for more detailed information.

Erosion and sediment controls will be placed prior to any soil disturbance, and will be adjusted as construction proceeds to ensure that they operate as required. Existing vegetation will be preserved wherever possible.

There will be two main periods of major activities: 1) construction of the temporary substation, and 2) de-commissioning or removal of equipment and restoration of the site. These two periods would be separated by an operational period of approximately 18 months.

Construction Sequence

1. Survey staking to establish the limits of disturbance and footprint of the grade pad.
2. Install tree protection measures and other temporary BMPs. Stabilized construction entrance and/or FODS Trackout Mat will be installed as appropriate before construction. Less than 1 acre will be disturbed during this activity.
3. Prepare the site with minimal soil disturbance and grading. Approximately 6 inches of soil is to be removed. Approximately 1 acre will be disturbed during this activity.
4. Place rock surface for grade pad. Spread and compact aggregate materials to specified thickness. Less than 1 acre will be disturbed during this activity.
5. Construct earthen berms for drainage control.
6. Excavate through rock foundation as necessary; backfill and re-compact rock. Less than 1 acre will be disturbed during this activity.
7. Set electrical equipment and fencing. Much less than 1 acre will be disturbed during this activity for fence footings.
8. Revegetate disturbed areas. No soil will be disturbed during this activity.

Decommissioning (Removal of Equipment) and Site Restoration Sequence

1. Erosion and sediment controls will be replaced prior to commencement of this phase.
2. Remove electrical equipment and fencing. No soil will be disturbed during this activity.
3. Remove grade pad and earthen berms. Less than 1 acre will be disturbed during this activity.
4. Replace topsoil across the site.
5. Hydroseed disturbed areas.

GEORGETOWN TEMPORARY SUBSTATION Temporary Stormwater Section

ATTACHMENT D - Temporary Best Management Practices and Measures

Various temporary control best management practices (BMPs) and measures will be utilized in order to prevent the discharge of sediment from the site. Temporary BMPs will include a stabilized construction entrance, tree protection, as well as silt fence and mulch socks will be used on the site during construction until vegetation is re-established in disturbed areas. These temporary BMPs and measures are discussed below and in further detail in the construction plans.

Stabilized construction entrance – either a 50-foot long 3 by 5-inch rock entrance and/or an equivalent FODS Trackout Mat will be installed adjacent to the existing paved driveway into the site. This will help to minimize sediment tracking onto State Highway 29.

Tree protection measures – trees on the site have been surveyed. Protection measures will consist of fencing per the City of Georgetown requirements. They will function to prevent inadvertent damage to trees during construction.

Silt fence will be installed and maintained in non-tree areas and **mulch sediment logs** will be used within tree driplines in order to prevent damage to roots. These BMPs function as perimeter sediment controls. Topsoil or material stockpiles will be stored within the site perimeter that establishes the limits of construction.

Perimeter sediment controls, stabilized entrances/exits, FODS Trackout Mat, and tree protection will remain throughout construction until permanent re-vegetation is established. Additionally, vegetation will be established promote soil stabilization and act as vegetated filter strips for stormwater treatment.

The contractor will be responsible for implementing the Storm Water Pollution Prevention Plan which describes all measures that will be taken to address environmental requirements, including erosion/sediment controls, equipment maintenance, fueling practices, handling of materials and waste, employee training, etc. Contractor responsibilities will also be clearly specified in the general construction contract.

There are no sensitive features on the site. Excavation activities will be limited; however, if a potential karst void is encountered during excavation activities, work within 50 ft. of the feature will cease until an evaluation is completed. The feature will be evaluated by a Professional Geoscientist. TCEQ notification and void mitigation protocols will be followed.

GEORGETOWN TEMPORARY SUBSTATION

Temporary Stormwater Section

ATTACHMENT F - Structural Practices

The following structural practices will be used for the project:

1. Earthen berms that will be 12-inches tall are designed to direct stormwater runoff to vegetated areas.
2. Grass lined level spreaders will be placed on the upgradient side of interim vegetated filter strips (IVFS). A natural vegetated filter strip (VFS) will also be designated. The level spreaders and filter strips are specified according to the TCEQ guidance in RG-348. The purpose of these controls is to promote sheet flow across vegetated areas to remove total suspended solids in stormwater runoff.

Vegetated Filter Strip Summary

Designation	Structural Control Type	Treatment Area (square feet)
VFS1	IVFS	1,252
VFS2	Natural VFS	14,763
VFS3	IVFS	3,712

As explained in Attachment D, silt fence and mulch sediment logs will be used as sediment controls to detain runoff while suspended solids settle out. They will be maintained throughout construction until permanent vegetation is established.

Fencing will be used to protect trees on site for the duration of construction. A stabilized construction entrance and/or FODS Trackout Mat will be installed adjacent to the paved driveway apron to limit tracking onto State Highway 29. Details on these structural practices are shown in the standards and specifications included in the construction plans.

**GEORGETOWN TEMPORARY SUBSTATION
Temporary Stormwater Section**

ATTACHMENT G - Drainage Area Map

All stormwater flows originating within the site limits of construction will be managed with the temporary BMPs described in Attachment D. Please see the drainage area map in the construction plans.

GEORGETOWN TEMPORARY SUBSTATION
Temporary Stormwater Section

ATTACHMENT I - Inspection and Maintenance for BMPs

Temporary BMPs will be inspected and maintained throughout construction to provide the highest protection to surface waters. The contractor will be responsible for record-keeping and ensuring that a qualified individual conducts the inspections as required. Inspection documentation will be kept electronically or in a binder onsite.

If a repair is necessary, it will be done at the earliest date possible, but no later than 7 calendar days after the surrounding exposed ground has dried sufficiently to prevent further damage from heavy equipment.

Temporary Construction Entrance/Exit

- The temporary construction entrance will be inspected every 7 days and maintained in a condition that will prevent tracking or flow of sediment onto State Highway 29. Maintenance activities may require periodic top dressing with additional stone as conditions demand. A FODS Trackout Mat is requires little maintenance based on construction monitoring at other projects.
- All sediment spilled, dropped, washed or tracked onto State Highway 29 will be removed immediately in wet weather conditions, or as soon as practical in dry weather.
- When necessary, wheels should be cleaned to remove sediment prior to entrance onto State Highway 29.

Tree Protection

- The tree protection measures and fences will be inspected periodically.
- Insufficiencies will be repaired.

Silt Fence and Mulch Sediment Logs

- Silt fence and mulch sediment logs will be inspected after installation.
- Controls will be inspected every 7-days and replaced or repaired, if necessary.
- Controls will be replaced if they are compressed to less than half of their original height.
- Sediment retained by the silt fence and mulch sediment logs shall be removed when it has reached a depth of 6 inches.

Temporary Vegetation

1. Temporary vegetation should be inspected weekly to locate and repair any erosion.
2. Erosion from storms or other damage should be repaired as soon as practical.
3. If the vegetated cover is less than 80%, the area should be re-seeded.

**GEORGETOWN TEMPORARY SUBSTATION
Temporary Stormwater Section**

**ATTACHMENT J - Schedule of Interim and Permanent
Soil Stabilization Practices**

Temporary vegetation will be established following minor excavation and grading within 7 days in all areas where work is temporarily halted unless work is resumed within 30 days. Permanent vegetation will be installed in all non-drivable surface areas not covered by the grade pad, rip rap or other aggregate within 14 days of final grading. Permanent vegetative stabilization will consist of native grasses that will be seeded as needed. Vegetation details are provided on the restoration plan sheet included in the construction plans.

Agent Authorization Form
For Required Signature
Edwards Aquifer Protection Program
Relating to 30 TAC Chapter 213
Effective June 1, 1999

I, KRISTIAN M. KOELLNER ,
Print Name

VICE PRESIDENT AND CHIEF OPERATIONS OFFICER,
Title - Owner/President/Other

of LOWER COLORADO RIVER AUTHORITY, TRANSMISSION SERVICES CORPORATION,
Corporation/Partnership/Entity Name

have authorized HEATHER BEATTY, PG _____
Print Name of Agent/Engineer

of CAMBRIAN ENVIRONMENTAL
Print Name of Firm

to represent and act on the behalf of the above named Corporation, Partnership, or Entity for the purpose of preparing and submitting this plan application to the Texas Commission on Environmental Quality (TCEQ) for the review and approval consideration of regulated activities.

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to \$10,000 per day per violation.
2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.
3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.
4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.
5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.

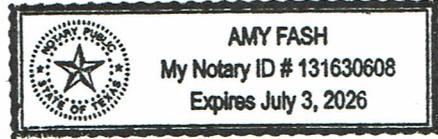
SIGNATURE PAGE:



Kristina M. Koeller
Applicant's Signature

Nov 13, 2025
Date

THE STATE OF Texas §
County of TRAVIS §



BEFORE ME, the undersigned authority, on this day personally appeared Kristina M. Koeller known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 18 day of November 2025

[Signature]
NOTARY PUBLIC
Amy Fash
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 7/3/2026

Application Fee Form

Texas Commission on Environmental Quality

Name of Proposed Regulated Entity: Georgetown Temporary Substation

Regulated Entity Location: 921 W. University. Georgetown, Texas 78626

Name of Customer: LCRA Transmission Services Corporation

Contact Person: Mike Almendarez Phone: 512-354-5646

Customer Reference Number (if issued): CN 601708639

Regulated Entity Reference Number (if issued): RN _____

Austin Regional Office (3373)

Hays

Travis

Williamson

San Antonio Regional Office (3362)

Bexar

Medina

Uvalde

Comal

Kinney

Application fees must be paid by check, certified check, or money order, payable to the **Texas Commission on Environmental Quality**. Your canceled check will serve as your receipt. **This form must be submitted with your fee payment.** This payment is being submitted to:

Austin Regional Office

San Antonio Regional Office

Mailed to: TCEQ - Cashier

Overnight Delivery to: TCEQ - Cashier

Revenues Section

Mail Code 214

P.O. Box 13088

Austin, TX 78711-3088

12100 Park 35 Circle

Building A, 3rd Floor

Austin, TX 78753

(512)239-0357

Site Location (Check All That Apply):

Recharge Zone

Contributing Zone

Transition Zone

<i>Type of Plan</i>	<i>Size</i>	<i>Fee Due</i>
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	1 Each	\$ 500.00
Extension of Time	Each	\$

Signature: _____ 

Date: 11/20/2025

**Water Pollution Abatement Plans and Modifications
Contributing Zone Plans and Modifications**

Project	Project Area in Acres	Fee
One Single Family Residential Dwelling	< 5	\$650
Multiple Single Family Residential and Parks	< 5	\$1,500
	5 < 10	\$3,000
	10 < 40	\$4,000
	40 < 100	\$6,500
	100 < 500	\$8,000
	≥ 500	\$10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1	\$3,000
	1 < 5	\$4,000
	5 < 10	\$5,000
	10 < 40	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

Organized Sewage Collection Systems and Modifications

Project	Cost per Linear Foot	Minimum Fee- Maximum Fee
Sewage Collection Systems	\$0.50	\$650 - \$6,500

Underground and Aboveground Storage Tank System Facility Plans and Modifications

Project	Cost per Tank or Piping System	Minimum Fee- Maximum Fee
Underground and Aboveground Storage Tank Facility	\$650	\$650 - \$6,500

Exception Requests

Project	Fee
Exception Request	\$500

Extension of Time Requests

Project	Fee
Extension of Time Request	\$150



TCEQ Use Only

TCEQ Core Data Form

For detailed instructions regarding completion of 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 601708639		RN

SECTION II: Customer Information

4. General Customer Information		5. Effective Date for Customer Information Updates (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).			
6. Customer Legal Name (If an individual, print last name first: eg: Doe, John)		If new Customer, enter previous Customer below:	
LCRA Transmission Services Corporation			
7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number (if applicable)
11. Type of Customer:	<input checked="" type="checkbox"/> Corporation	<input type="checkbox"/> Individual	Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> State <input type="checkbox"/> Other	<input type="checkbox"/> Sole Proprietorship	<input type="checkbox"/> Other:	
12. Number of Employees		13. Independently Owned and Operated?	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
14. Customer Role (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner		<input type="checkbox"/> Operator	
<input type="checkbox"/> Occupational Licensee		<input checked="" type="checkbox"/> Owner & Operator	
<input type="checkbox"/> Responsible Party		<input type="checkbox"/> Voluntary Cleanup Applicant	
<input type="checkbox"/> Other:			
15. Mailing Address:			
City	State	TX	ZIP
			ZIP + 4
16. Country Mailing Information (if outside USA)		17. E-Mail Address (if applicable)	
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 below this form should be accompanied by a permit application)	
<input checked="" type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input type="checkbox"/> Update to Regulated Entity Information	
The Regulated Entity Name submitted may be updated in order to meet TCEQ Agency Data Standards (removal of organizational endings such as Inc, LP, or LLC).	
22. Regulated Entity Name (Enter name of the site where the regulated action is taking place.)	
Georgetown Temporary Substation	

23. Street Address of the Regulated Entity: <i>(No PO Boxes)</i>	921 W. University Ave							
	City	Georgetown	State	TX	ZIP	78626	ZIP + 4	
24. County	Williamson							

Enter Physical Location Description if no street address is provided.

25. Description to Physical Location:								
26. Nearest City					State	Nearest ZIP Code		
Georgetown					TX	78626		
27. Latitude (N) In Decimal:	30.633809°			28. Longitude (W) In Decimal:	-97.687037°			
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)			
4911			22112					
33. What is the Primary Business of this entity? <i>(Do not repeat the SIC or NAICS description.)</i>								
Electric Services								
34. Mailing Address:								
	City		State		ZIP		ZIP + 4	
35. E-Mail Address:								
36. Telephone Number			37. Extension or Code		38. Fax Number <i>(if applicable)</i>			
() -					() -			

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 checked="" 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 type="checkbox"/> Waste Water	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

SECTION IV: Preparer Information

40. Name:	Heather Beatty		41. Title:	Professional Geologist	
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address		
(512) 470-4013		() -	hbeatty@cambrianenvironmental.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:	LCRA Electric Transmission Services	Job Title:	Environmental Field Services Manager		
Name <i>(In Print)</i> :	Mike Almendarez	Phone:	(512) 354-5646		

Signature:

Ale Alvarez

Date:

21 November 2025