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: N. Austin MUD #1					**2. Regulated Entity No.:**				
3. Customer Name: N. Austin MUD #1					**4. Customer No.:**				
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):**			1.998. a
9. Application Fee:	$500		**10. Permanent BMP(s):**						
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**						
13. County:	Williamson		**14. Watershed:**						

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.)	__	__	_X_
Region (1 req.)	__	__	__
County(ies)	__	__	__
Groundwater Conservation District(s)	__Edwards Aquifer Authority __Barton Springs/ Edwards Aquifer __Hays Trinity __Plum Creek	__Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	__Austin __Buda __Dripping Springs __Kyle __Mountain City __San Marcos __Wimberley __Woodcreek	__Austin __Bee Cave __Pflugerville __Rollingwood __Round Rock __Sunset Valley __West Lake Hills	__Austin _XCedar Park __Florence __Georgetown __Jerrell __Leander __Liberty Hill __Pflugerville __Round Rock

San Antonio Region					
County:	**Bexar**	**Comal**	**Kinney**	**Medina**	**Uvalde**
Original (1 req.)	__	__	__	__	__
Region (1 req.)	__	__	__	__	__
County(ies)	__	__	__	__	__
Groundwater Conservation District(s)	__ Edwards Aquifer Authority __Trinity-Glen Rose	__Edwards Aquifer Authority	__Kinney	__EAA __Medina	__EAA __Uvalde
City(ies) Jurisdiction	__Castle Hills __Fair Oaks Ranch __Helotes __Hill Country Village __Hollywood Park __San Antonio (SAWS) __Shavano Park	__Bulverde __Fair Oaks Ranch __Garden Ridge __New Braunfels __Schertz	NA	__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. in os ins
Print Name of Customer/Authorized Agent Kevin Hoskins 11-4-24
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/ Kevin Hoskins

Agent: Date 11-4-24

Signature of Customer/Agent:

Kevin Hoskins

Project Information

1. Regulated Entity Name: N. Austin MUD1
2. County: Williamson
3. Stream Basin: _____
4. Groundwater Conservation District (If applicable):_____
5. Edwards Aquifer Zone:

   [x] Recharge Zone
   [ ] Transition Zone

6. Plan Type:

   [ ] WPAP
   [ ] SCS
   [ ] Modification
   [ ] AST
   [ ] UST
   [x] Exception Request

7. Customer (Applicant): North Austin MUD 1
   Contact Person: Andrew Hunt
   Entity: _____
   Mailing Address: 2601 Forrest Creek Dr.
   City, State: Round Rock TX 78665 Zip:
   Telephone: 512-246-1400 FAX: _____
   Email Address: ahunt@crossroadsus.com

8. Agent/Representative (If any):
   Contact Person: Kevin Hoskins
   Entity: Absolute Communications & Network Solutions Inc.
   Mailing Address: 152 Windy Meadow Dt.
   City, State: Schertz Zip: 78154
   Telephone:210 892-3800 FAX: _____
   Email Address: kevin hoskins@callabsolute.com

9. Project Location:

   [X] The project site is located inside the city limits of Austin-6809 Dallas Drive, Austin, TX 78729
   [ ] 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. [x] 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.
    The property is located on the SE side of Dallas Dr. approximately 200 ft. from Palmer Ln.

11. [X] **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. [x] **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:

    [X] Project site boundaries.
    [X] USGS Quadrangle Name(s).
    [X] Boundaries of the Recharge Zone (and Transition Zone, if applicable).
    [X] Drainage path from the project site to the boundary of the Recharge Zone.

13. [x] **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.

    [X] Survey staking will be completed by this date: **9-6-24**

14. [X] **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:

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

15. Existing project site conditions are noted below:

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

Prohibited Activities

16. [X] 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. [X] 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:

- [X] 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.
- [X] 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.

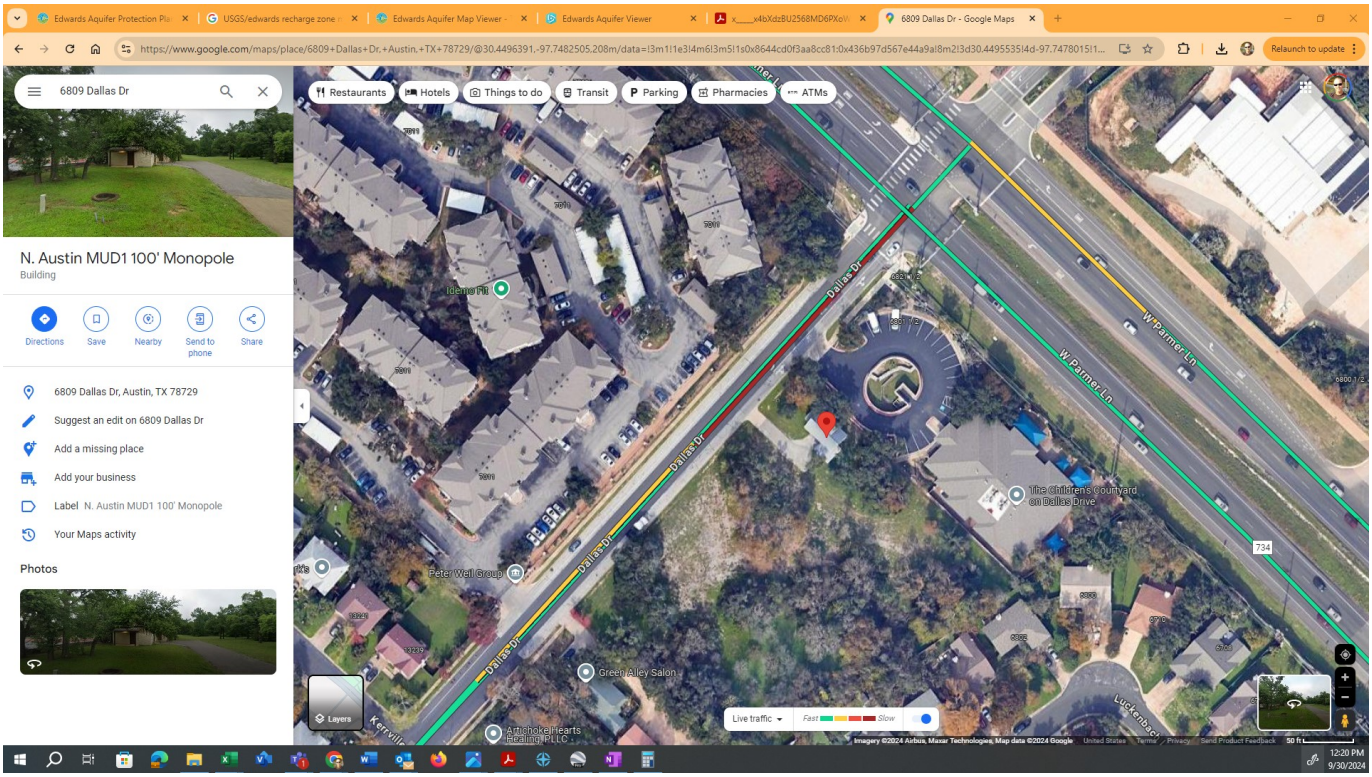
19. [X] Application fees are due and payable at the time the application is filed. If the correct fee is not submitted, the TCEQ is not required to consider the application until the correct fee is submitted. Both the fee and the Edwards Aquifer Fee Form have been sent to the Commission's:

- [X] 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. [X] 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. [X] 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.

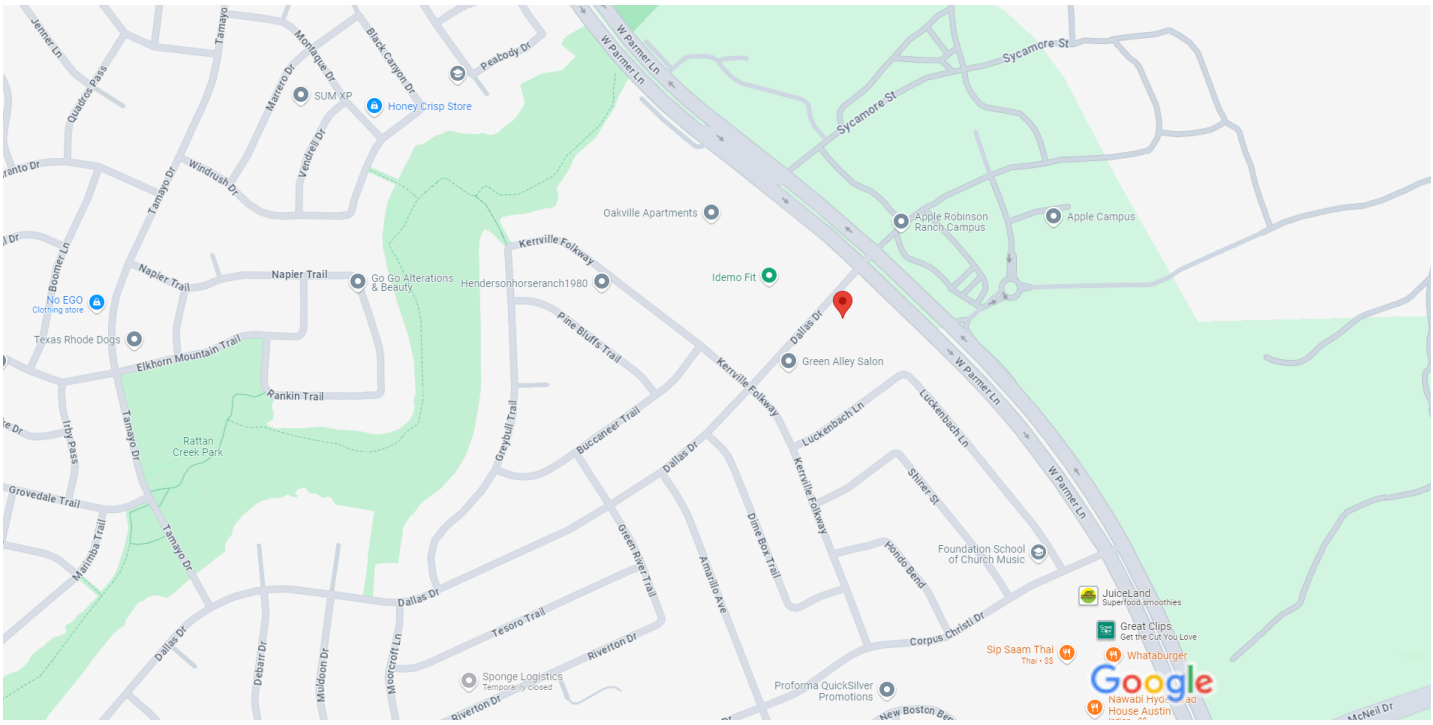
Attachment A – Road Map



Google Maps

6809 Dallas Dr

N. Austin MUD 100 Ft. Mono Pole Road Map



Map data ©2024 200 ft

N. Austin MUD1 100' Monopole

Building

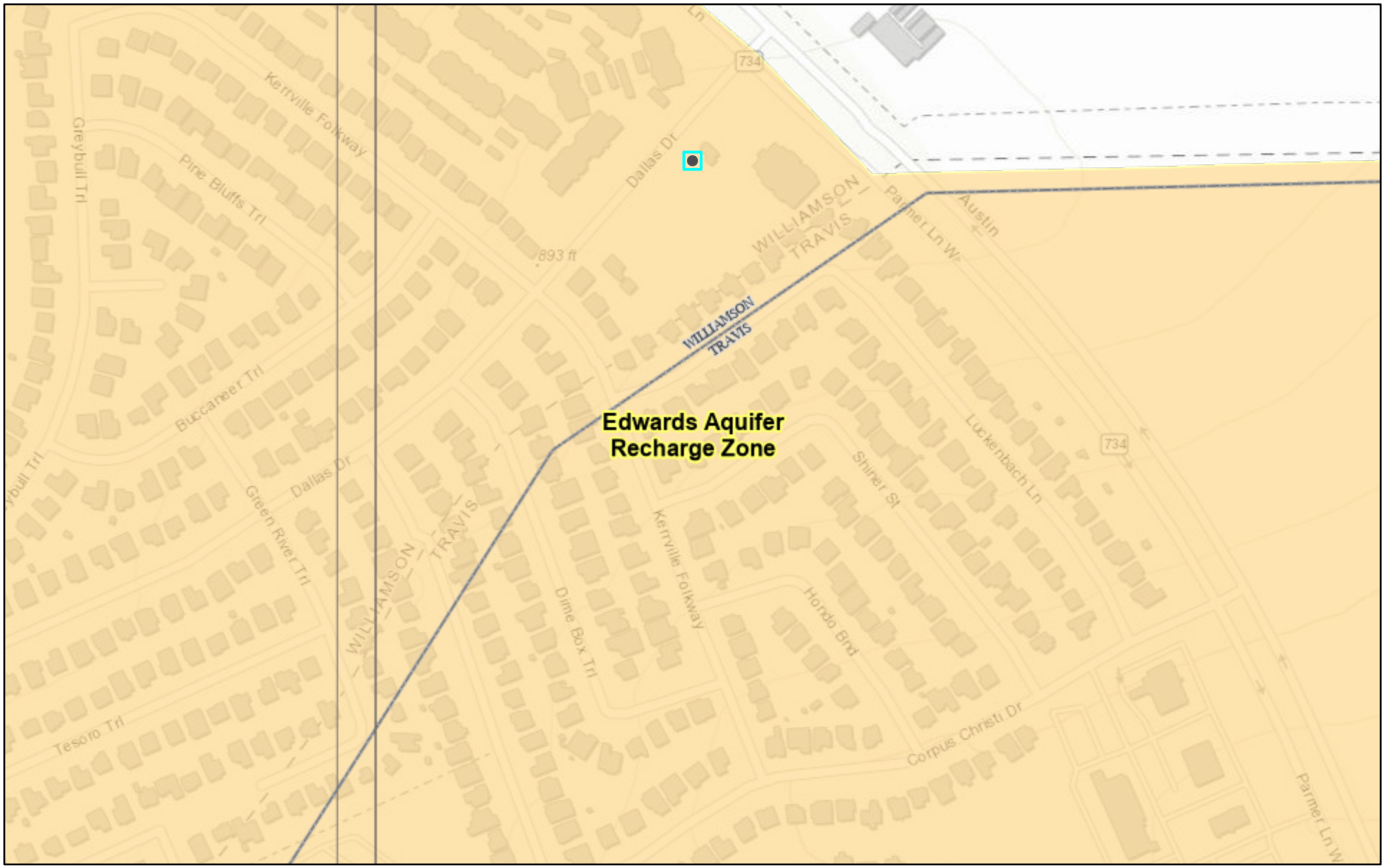
Directions Save Nearby Send to phone Share

6809 Dallas Dr, Austin, TX 78729

Attachment B – USGS-Edwards Recharge Zone Map

See Official TECQ_Edwards Recharge Zone Map with Dallas Dr. Location below:

Edwards Aquifer Viewer Custom Print



9/30/2024, 11:58:39 AM

1:4,514

0 0.03 0.07 0.13 mi

0 0.05 0.1 0.2 km

Edwards Aquifer Label

City/Place

TX Counties

7.5 Minute Quad Grid

TCEQ_EDWARDS_OFFICIAL_MAPS

Austin Community College, City of Austin, County of Williamson, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA, TCEQ

Web AppBuilder for ArcGIS

Attachment C – Project Description.

Area of the Siteea of the site

The area of the site is approximatelyy42 in. diameter.

Off Site Areasffsite areas

There are no off site areas.

Impervision Covermpervious over

There will not be any installed or additional impervision covers installed in or around the foundational pier for the monopole.

Permanent BMP(s)Permanent BMP(s)

This construction consists of drilling a 42 inch Diameter by 20 foot Deep pier and installing a precast-hardend concrete pier base into the hole and back filling around the pier with approximately 4.4 yards of standard 3000 psi. concrete to provide proper ground contact adhesion of the base for support ballast.

Proposed Site UseProposed site use

The site will serve as the location for installing a 100 Ft. tall galvanized steel utility monopole that will be outfitted with a single omni antenna at the top of the monopole that will be connected to base unit radio mounted at the base of the pole. All spoils from the pier will be removed from the site and taken to a local land fill. There will not be any additional surface materials added to the area as a result of the Monopole installation other than the Monopole itself and the foundational pier base that is installed and drilled into the ground where the target installation is indicated on the GIS Maps that are attached.

Site Historyite history

The site is the property of N. Austin MUD1 and used as a well site that is going to support this new Base Station Monopole as part of the City's new Water Automation System.m

Previous Developmentrevious development

None

Areas to be demolishedrea(s) to be demolished

There are no areas of demolition as part of this project.

SCI ENGINEERING, INC.
EARTH • SCIENCE • SOLUTIONS
GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

August 5, 2024

Kevin Hoskins, RCDD PMCP| SVP-COO
Absolute Communications
152 Windy Meadows Drive
Schertz, Texas 78154

RE: Geological Assessment
Dallas Drive Base Station
Austin, Texas
SCI No. 2024-1102.1G

Dear Kevin Hoskins:

As requested, SCI Engineering, Inc. (SCI) conducted a Geologic Assessment (GA) at 6809 Dallas Drive in Austin, Texas. Our services were provided in general accordance with our proposal, dated June 18, 2024, and authorized on June 25, 2024.

The GA was completed in compliance with the Texas Commission on Environmental Quality (TCEQ) requirements for regulated developments located within the Edwards Aquifer Recharge Zone (EARZ). As the site is in the EARZ, the GA must be completed and signed by a Professional Geoscientist licensed in the State of Texas. This letter addresses those requirements and describes the surficial geologic units and identifies the location and extent of geologic features present within the development area.

We have included the following items, which are required for a GA in accordance with *30 TAC 213.5(b)(3)*, Effective June 1, 1999:

- Geologic Assessment Form (TCEQ-0585) – Attachment A;
- Geologic Assessment Table (TCEQ-0585-Table) – Attachment A;
- Stratigraphic Column – Attachment B;
- Narrative Description of Geology and Soils – Attachment C;
- Overview Maps – Attachment D;
- Site Geologic Map – Attachment D; and
- Site Photographs – Attachment E.

PROJECT DESCRIPTION

The project site is approximately 1.7 acres and is mostly grass covered with a few mature trees spread throughout. A small building with a driveway is located in the northern portion of the site. The topography of the site is relatively flat. Based on the information provided, we understand that a Musco brand, 100-foot monopole tower and base station pad will be installed in the northern portion of the site.

The proposed project site lies within the Edwards Aquifer Recharge Zone (EARZ) and the 2014 USGS Karst dataset indicates that the site is located within a Carbonate Karst Zone. The site is situated within Karst Zone 1 (defined as an area known to contain endangered cave fauna), and within 2 miles of a Jollyville Plateau Salamander Critical Habitat, as identified by the U.S. Fish and Wildlife Service.

As the proposed project meets the 30 TAC 213 definition of a regulated activity, the GA will be required to be submitted to the TCEQ in conjunction with the Water Pollution Abatement Plan (WPAP), prepared by others, and approved prior to the beginning of construction activities.

SITE INVESTIGATION

The site investigation was conducted on July 13, 2024, by an SCI Staff Scientist under the supervision of a State of Texas Licensed Professional Geoscientist (PG). Vegetation consisted of grasses with deciduous and coniferous trees and scrub-shrub. There were multiple stands of vegetation throughout the property, including older cedar elms, live oaks, and red cedar, with scrub/shrubs around older stands and smaller growth sections throughout the property. Light gray limestone outcrops and surficial limestone were observed. The limestone bedrock is classified as the Edwards Limestone (Ked) formation of the Fredericksburg group according to United States Geological Survey (USGS) data.

A small building with an asphaltic concrete driveway with a concrete apron is located in the northern portion of the site. The remainder of the site is mostly grass covered with a few mature trees spread throughout. The site is bordered by residential properties to the north, east, and south, and to the west by Dallas Drive. The topography of the site is relatively flat.

The investigation was performed in maximum 50-foot transects to evaluate the property for potential sensitive/recharge features. One sensitive feature (ex. caves, sinkholes, faults, or fractures) was identified within the northern portion of the project site. The sensitive feature was identified as a solution cavity. The solution cavity (SC-001) was approximately 2 feet by 2 feet and 1 foot in depth and appeared to have extended south with signs of animal burrowing. Additional exploration is recommended to determine the extent of this feature.

SUMMARY

One sensitive feature, a solution cavity, SC-001 was identified within the northern portion of the site, as shown in Attachment D, Figure 4, and there is a potential that the feature found on the property could provide rapid recharge to underlying formations. It is possible that other features within the property may be covered by soil, organic debris, or vegetation. If additional features are found during excavation or construction, further investigation may be required to determine the extent of these features and their influence on groundwater aquifers. Additional details regarding features found within the project site may be referenced in the *Geologic Table* in Attachment A and in the *Geologic Narrative* in Attachment C. A recommended buffer zone for the sensitive features is referenced in Attachment D, Figure 4.

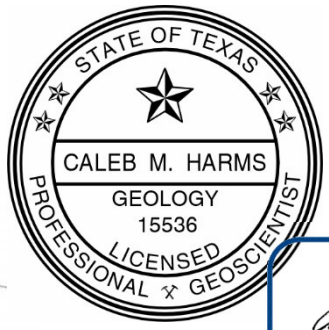
LIMITATIONS

This report has been prepared for the exclusive use of Absolute Communications. SCI is not responsible for independent conclusions or recommendations made by others. The findings of this report are valid as of the present date of the assessment. SCI is not responsible for surveys, calculations, or plans that were prepared by others.

We appreciate the opportunity to be of service to you on this project. If you have any questions or comments, please do not hesitate to contact us.

Respectfully,

SCI ENGINEERING, INC.
Texas Engineering Firm F-7870



Caleb M. Harms, P.G., R.G.
Staff Geologist

DocuSigned by:
E0ACDB5698074E3...
8/5/2024

Timothy J. Barrett, P.E., CFM
Geotechnical Services Manager

CMH/LJV/TJB/snp/mas

Enclosures
- Attachment A - Geologic Assessment Form and Table
- Attachment B - Stratigraphic Column
- Attachment C - Site Geology Narrative
- Attachment D - Site Maps
- Attachment E - Photographic Summary

Attachment A

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: Caleb M. Harms Telephone: 512-996-9199

Date: 07/02/2024 Fax: 844-462-0439

Representing: SCI Engineering, Inc. - TBPG 13035

(Name of Company and TBPG or TBPE registration number)

Signature of Geologist:

Regulated Entity Name: Absolute Communications

Project Information

1. Date(s) Geologic Assessment was performed: 07/13/2024
2. Type of Project:
   - ☒ WPAP
   - ☐ SCS
   - ☐ AST
   - ☐ 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)

Soil Name	Group*	Thickness(feet)
GsB - Georgetown stony clay loam, 1 to 3 percent slopes	D	0 to 2.9'

** 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" = 100'
   Site Geologic Map Scale: 1" = 100'
   Site Soils Map Scale (if more than 1 soil type): 1" = _____'

9. Method of collecting positional data:

   ☒ Global Positioning System (GPS) technology.
   ☐ Other method(s). Please describe method of data collection: _____

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 _____ (#) 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 TABLE

PROJECT NAME: Dallas Drive Base Station

LOCATION			FEATURE CHARACTERISTICS												EVALUATION			PHYSICAL SETTING		
1A	1B *	1C*	2A	2B	3	4			5	5A	6	7	8A	8B	9	10		11		12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)		TOPOGRAPHY
						X	Y	Z		10						<40	>40	<1.6	>1.6	
CD-001	30.44929123	-97.74776007	CD	5	Ked	5	4	-2	N/S	0			V	5	10	X		X		Hilltop
MB-001	30.44921393	-97.74844553	MB	30	Ked	1	1	0	N/A	0			X	5	35	X		X		Hilltop
MB-002	30.4492008	-97.74846082	MB	30	Ked	2	2	0	N/A	0			X	5	35	X		X		Hilltop
MB-003	30.44965084	-97.74795345	MB	30	Ked	1	1	0	N/A	0			X	5	35	X		X		Hilltop
MB-004	30.44965084	-97.74795345	MB	30	Ked	1	1	0	N/A	0			X	5	35	X		X		Hilltop
SC-001	30.44937761	-97.74801971	SC	20	Ked	2	2	-1	S	0			C	25	50		X	X		Hilltop

* DATUM: WGS 84

2A TYPE	TYPE	2B POINTS
C	Cave	30
SC	Solution cavity	20
SF	Solution-enlarged fracture(s)	20
F	Fault	20
O	Other natural bedrock features	5
MB	Manmade feature in bedrock	30
SW	Swallow hole	30
SH	Sinkhole	20
CD	Non-karst closed depression	5
Z	Zone, clustered or aligned features	30

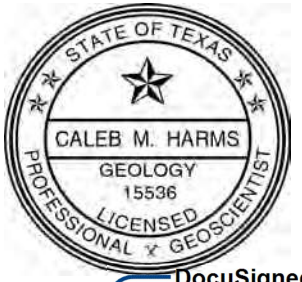
8A INFILLING	
N	None, exposed bedrock
C	Coarse - cobbles, breakdown, sand, gravel
O	Loose or soft mud or soil, organics, leaves, sticks, dark colors
F	Fines, compacted clay-rich sediment, soil profile, gray or red colors
V	Vegetation. Give details in narrative description
FS	Flowstone, cements, cave deposits
X	Other materials: Engineered Fill

12 TOPOGRAPHY
Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed

I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field.

My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Date: 07/02/2024



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8/5/2024

TCEQ-0585-Table (Rev. 10-01-04)

Attachment B

Attachment B - Stratigraphic Column

AGE	GROUP	STRATIGRAPHIC FORMATION	THICKNESS (ft)	LITHOLOGY	
Upper Cretaceous	Buda	**Buda Limestone (Kbu)**	~ 45	Fine grained, bioclastic, commonly glauconitic, pyritiferous, hard, massive, poorly bedded to nodular, thinner bedded and argillaceous near upper contact, light gray to pale orange; weathers dark gray to brown, burrows filled with chalky marl. Abundant pelecypods.	
	Grayson	**Del Rio Clay (Kdr)**	40 to 70	Calcareous and gypsiferous clay, blocky, medium gray, weathers light gray to yellowish gray; some thin lenticular beds of highly calcareous siltstone. Marine mega fossils include abundant Exogyra arietina and other pelecypods.	
	Washita	**Georgetown Formation (Kgt)**	~ 90	Unit consists of thick bedded nodular limestone with interbedded chalky, argillaceous limestone and light gray to buff shale. Interbedded, thin, chalky limestone and light gray marl can be present near the bottom of the formation.	**Edwards Aquifer**
Lower Cretaceous	Fredericksburg	**Edwards Formation (Ked)**	~ 210	Formation consists of massive limestone bed with chert nodules and dolomite. The limestone is aphanitic to fine-grained, massive to thin bedded, hard, brittle, some rudistid biostromes, and milliollid biosparite. Zones of recrystallized weathering and vuggy porosity.	
	Fredericksburg	**Comanche Peak Formation (Kcp)**	~ 65	Unit consists of fine to very fine grained, fairly hard, nodular, light gray weathers to white. Extensively burrowed, irregularly interbedded with marl.	
	Fredericksburg	**Walnut Formation (Kwa)**	70 to 90	Limestone and claystone interbedded. Argillaceous, nodular, thin to medium bedded, iron stained, and burrowed. unit consist of marly limestone alternating with harder more crystalline limestone.	

Note: Stratigraphic Column adapted from; Housh, Todd B. 2007, Bedrock Geology of Round Rock and Surrounding areas, Williamson and Travis Counties, Texas.

*Blue shading represents lithology underling the project site.

Attachment C

Attachment C - Site Geology Narrative

INTRODUCTION

This Geologic Assessment Narrative accompanies the TCEQ Geologic Assessment Form TCEQ-0585 completed for the approximately 1.7-acre property located at 6809 Dallas Drive in Austin, Travis County, Texas. The site location is depicted on the *Vicinity and Topographic Map,* Attachment D, Figure 1.

GEOLOGIC SETTING

The site is located on the east edge of the Edwards Plateau, within the Balcones Escarpment. With the region's semi-arid climate, precipitation is approximately 36 inches per year, with temperate grasslands, savannas, and shrublands. While no rock outcrops were observed, weathered limestone was present on the site. Based on geotechnical drilling performed on July 12, the bedrock consisted of light gray weathered limestone consistent with the Cretaceous aged limestone belonging to the Edwards Limestone of the Fredericksburg Group. The project site is located within the Edwards Aquifer Recharge Zone.

Soils:

Information regarding the following soil description is derived from the *Soil Survey of Williamson County* published by the Soil Conservation Service via the Web Soil Survey (WSS) application. The WSS shows the project site is located within the Georgetown stony clay loam unit (GsB). The soils are classified as Hydrologic Soil Group D which have a medium infiltration rate (medium potential) when thoroughly wet, and water movement through the soil is moderately low or moderately high. The Georgetown series soils occur on ridges and consist of stony clay loams typically 35 inches in thickness. The Georgetown series soils are underlain by limestone bedrock.

Table 1 – Soil Description

Map Symbol and Map Unit Name	Component/ Local Phase	Component Percent	Landform	Depth to Restrictive Feature	Depth to Water Table	Hydrologic Soil Group
GsB – Georgetown stony clay loam, 1 to 3 percent slopes	Georgetown stony clay loam	100	Ridges	20 to 40-inches to lithic bedrock	>80 inches	D

Stratigraphy:

The bedrock lithology underlying the site consists of the Edwards Limestone (Ked), and the tract is located entirely within the Edwards Aquifer Recharge Zone as shown on the *Geologic Formation Map,* Attachment D, Figure 2. The Edwards Limestone is a cretaceous age limestone within the Fredericksburg Group of the Comanchean - Albian series. The limestone is aphanitic to fine grained, massive to thin bedded, hard, brittle, in part rudistid biostromes, many miliolid biospartie. Exposed outcrops are generally susceptible to chemical weathering, and secondary porosity may vary from microscopic to megascopic in scale.

A *Stratigraphic Column* illustrating the generalized stratigraphy of the Edwards and Trinity Aquifers, underlaying the subject site is provided in Attachment B. The Barton Springs Edwards Aquifer Conservation District (2022) defines the generalized stratigraphy and aquifers around the subject site, accessed from https://bseacd.org/aquifer-science/about-the-aquifers.

Attachment C - Site Geology Narrative

Structure:

The Balcones Escarpment is a geologic fault zone several miles wide consisting of several faults. The Balcones fault zone ultimately controls the structural geology of the region, displacing eastward dipping strata of the Early and Late Cretaceous as much as 1,000 feet down to the east through north to northeast-trending normal faults. It is thought that this displacement occurred primarily during the late Oligocene or early Miocene; however, others have argued instead that movement during the Late Cretaceous and Pliocene is plausible. No faults are documented at the site, nor were any observed during the course of our work.

In general, aquifer recharge occurs where formations are exposed at or near the surface, but it may also occur in the presence of faults, fractures, and karst features. Exposure of the Edwards Formation is often correlated to karst development within the region. Karst features are commonly found along fractures, joints, and bedding planes within the Edwards Formation.

SITE SUMMARY

The site investigation was conducted on July 13, 2024, by an SCI Staff Scientist under the supervision of a State of Texas Licensed Professional Geoscientist (PG). Vegetation consisted of grasses with deciduous and coniferous trees and scrub-shrub. There were multiple vegetation stands throughout the property of older cedar elms, live oaks, and red cedar, with scrub/shrubs around older stands and smaller growth sections throughout the property. Light gray limestone outcrops and surficial limestone were observed.

A small building with a driveway is located on the northern portion of the site. The remainder of the site is mostly grass covered with a few mature trees spread throughout. The site is bordered by residential properties to the north, east, and south, and to the west by Dallas Drive. The topography is relatively flat.

Based on historical aerials the site area has remained unchanged since 2008. The building and drive on the northern side of the site was constructed between 2004 and 2008. The site was previously undeveloped and heavily wooded.

The site investigation was performed in maximum 50-foot transects to evaluate the property for potential sensitive/recharge features. Five features were documented and evaluated for recharge potential, one of those features was identified as sensitive (ex. caves, sinkholes, faults/fractures) within the 1.7-acre lot. The features are discussed below and shown on the *Geological Formation Map*, Attachment D, Figure 3, and in the *Site Photographs*, Attachment E.

Feature Description:

CD-001: Feature CD-1 is a closed depression that is approximately 5 feet by 4 feet in diameter and approximately 2 feet deep. The depression consisted of a limestone boulder mouth with soil and limestone fragment infilling. The depression is most likely the result of tree fall. Probing with tool indicated that the feature was closed with no visible opening. Further evaluation suggests that CD-1 was formed independent of karst processes.

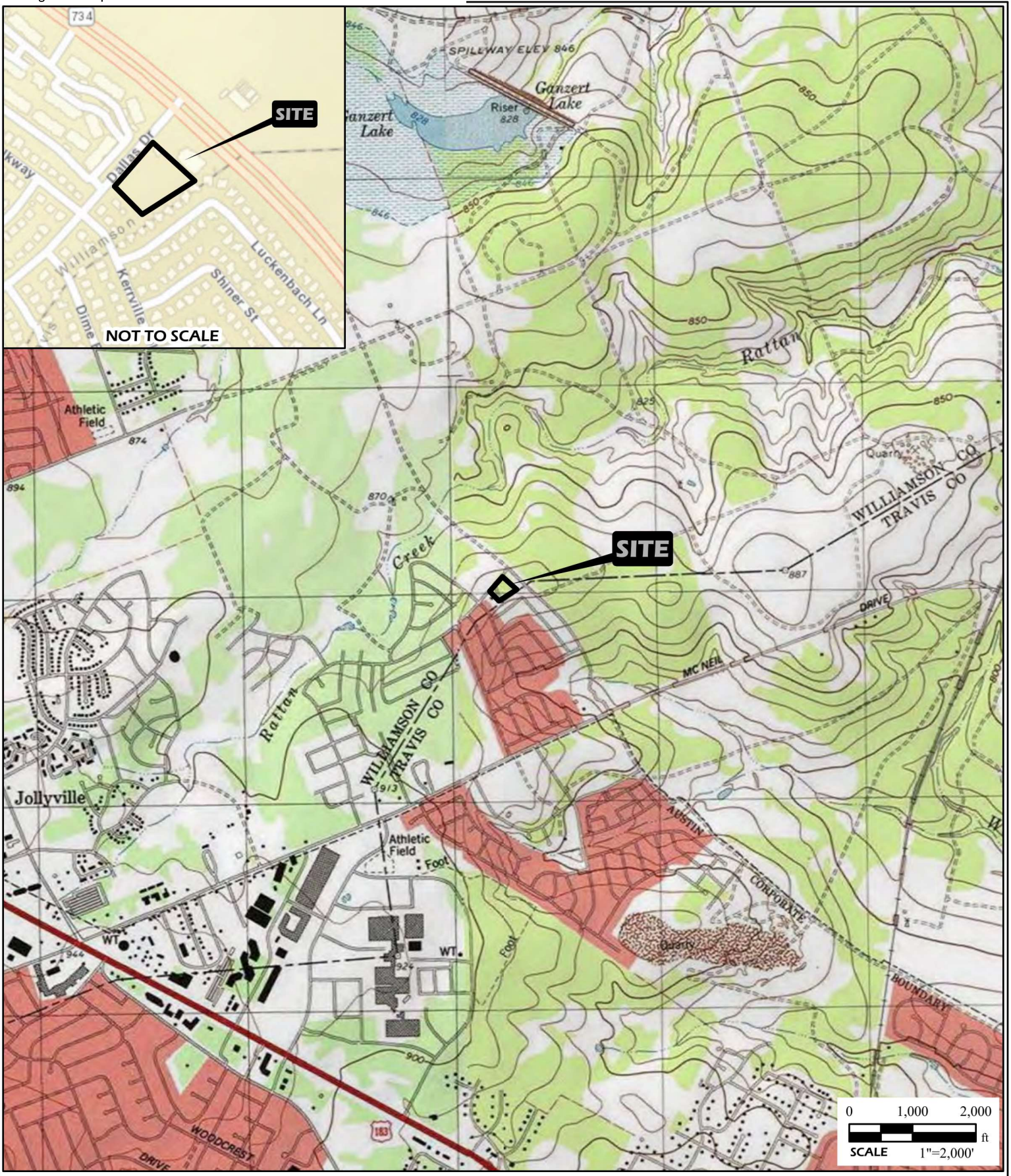
SC-001: Feature SC-1 is a solution cavity approximately 2 feet by 2 feet in diameter and approximately 1 foot in depth. The solution cavity appeared to have a south directional trend along with signs of animal burrowing. A visible opening was present within hollow limestone. **In accordance with TDEQ a recommended buffer of 200 feet or the extent of drainage area, whichever is less, should be put in place. The recommended buffer area is shown on Figure 4. Further investigation is recommended to determine if SC-1 was formed independently of karst processes.**

Attachment C - Site Geology Narrative

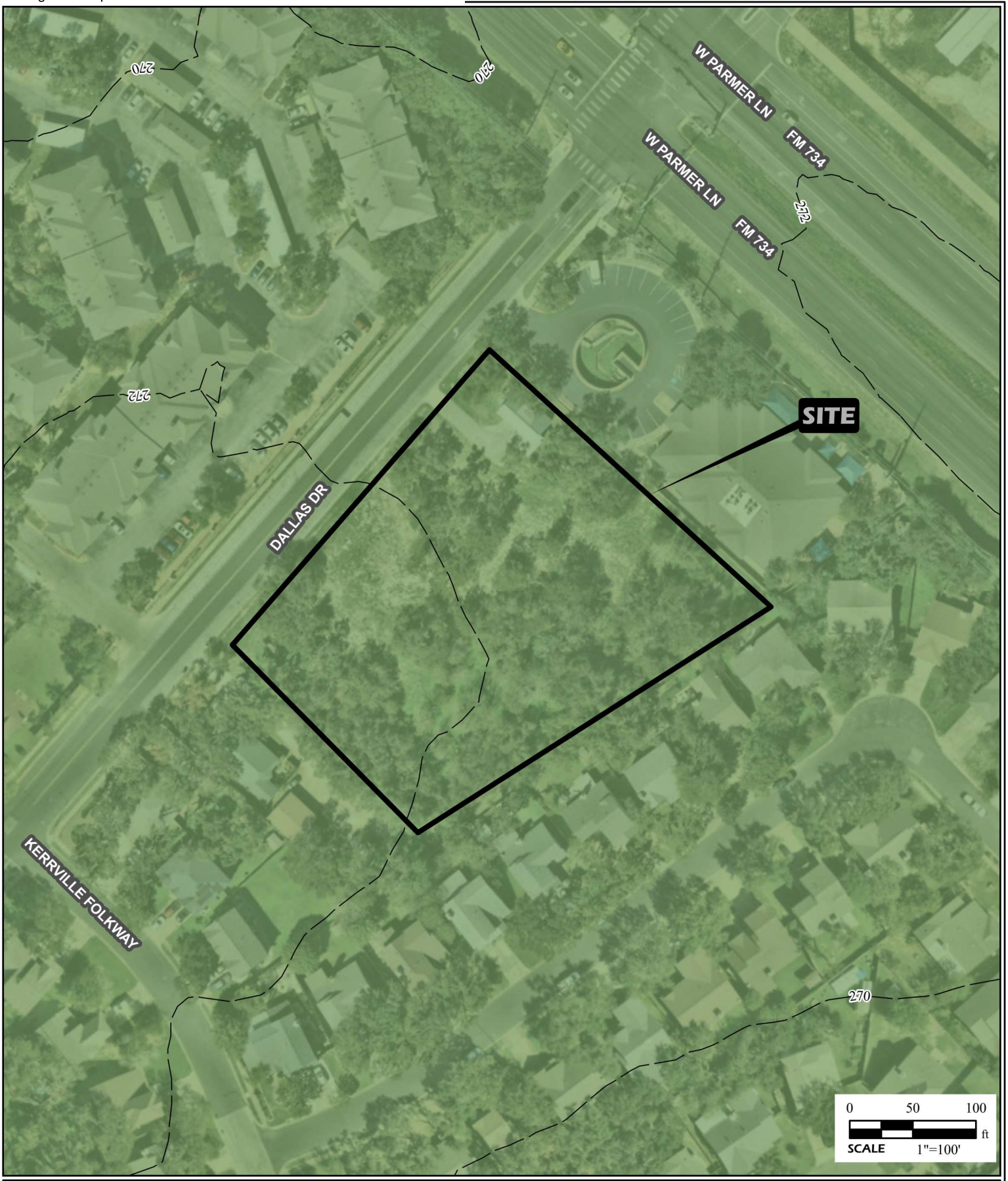
Manmade Features:

Due to the site being previously developed, infrastructure exists in the northern and western portions of the site. Features consisted of a water shutoff, MB-001, a fire hydrant, MB-002, an underground telephone and utility right-of-way, MB-003, and an underground electric utility access, MB-004, were present on site. We did not observe any signs of recent grading or disturbance associated with underground utilities within the site. Based on our observations, the utilities appear to be performing as intended and there was no indication of increased infiltration at the utility locations.

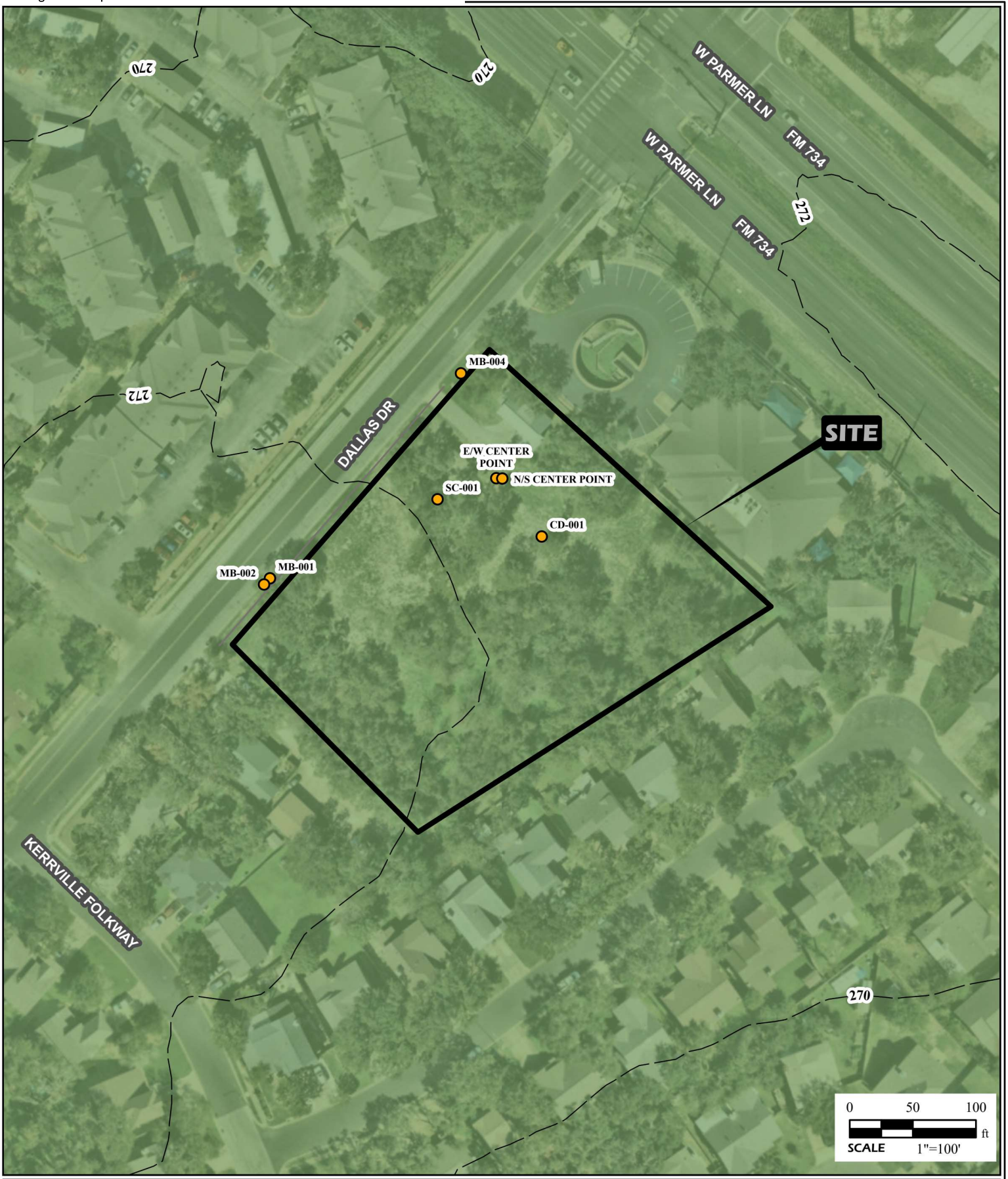
Attachment D



PROJECT NAME: DALLAS DRIVE BASE STATION, AUSTIN, TEXAS				GENERAL NOTES/LEGEND: USGS TOPOGRAPHIC MAP, PFLUGERVILLE WEST TEXAS QUADRANGLE, DATED 1987, 10' CONTOURS
VICINITY AND TOPOGRAPHIC MAP				STREET MAP HTTP://GOTO.ARCGISONLINE.COM/MAPS/WORLD_STREET_MAP
DRAWN BY	MAV	FIGURE DATE	JOB NUMBER	FIGURE 1
CHECKED BY	CMH	07/26/2024	2024-1102.1G	



SCI	PROJECT NAME: DALLAS DRIVE BASE STATION, AUSTIN, TEXAS	GENERAL NOTES/LEGEND: KED - EDWARDS LIMESTONE		N / W / E / S
	GEOLOGIC FORMATION MAP	AERIAL PHOTOGRAPH OBTAINED FROM ARCGIS ONLINE, WORLD IMAGERY.		
	DRAWN BY: MAV; CHECKED BY: CMH	FIGURE DATE: 07/26/2024	JOB NUMBER: 2024-1102.1G	DIMENSIONS AND LOCATIONS ARE APPROXIMATE; ACTUAL MAY VARY. DRAWING SHALL NOT BE USED OUTSIDE THE CONTEXT OF THE REPORT FOR WHICH IT WAS GENERATED.
				FIGURE 2



PROJECT NAME: DALLAS DRIVE BASE STATION, AUSTIN, TEXAS				GENERAL NOTES/LEGEND
GEOLOGICAL FORMATION MAP				KED - EDWARDS LIMESTONE APPROXIMATE FEATURE LOCATIONS
DRAWN BY: MAV	FIGURE DATE: 07/26/2024	JOB NUMBER: 2024-1102.1G		AERIAL PHOTOGRAPH OBTAINED FROM ARCGIS ONLINE, WORLD IMAGERY. DIMENSIONS AND LOCATIONS ARE APPROXIMATE; ACTUAL MAY VARY. DRAWING SHALL NOT BE USED OUTSIDE THE CONTEXT OF THE REPORT FOR WHICH IT WAS GENERATED.
CHECKED BY: CMH				FIGURE 3

SCI	PROJECT NAME: DALLAS DRIVE BASE STATION, AUSTIN, TEXAS			GENERAL NOTES/LEGEND: APPROXIMATE FEATURE LOCATIONS	N / W / E / S
	BUFFER ZONE MAP			AERIAL PHOTOGRAPH OBTAINED FROM ARCGIS ONLINE, WORLD IMAGERY. DIMENSIONS AND LOCATIONS ARE APPROXIMATE; ACTUAL MAY VARY. DRAWING SHALL NOT BE USED OUTSIDE THE CONTEXT OF THE REPORT FOR WHICH IT WAS GENERATED.	
	DRAWN BY: MAV	FIGURE DATE: 07/26/2024	JOB NUMBER: 2024-1102.1G		FIGURE: 4
	CHECKED BY: CMH				

Attachment E

Photo 1. General area on east side of site

Photo 2. General wooded area on east side of site

Photo 3. General wooded area on west side of site

Photo 4. General area on west side of site

Photo 5. North corner of site, facing southeast

Photo 6. North corner of site, facing west

Photo 7. East corner of site, facing east

Photo 8. East corner of site, facing northwest

Photo 9. South corner of property, facing northeast

Photo 10. South corner of site, facing northwest

Photo 11. West corner of site, facing northeast

Photo 12. West corner of site, facing southeast

Photo 13. Existing structure on site

Photo 14. CD-001, facing northeast

Photo 15. CD-001, facing southwest

Photo 16. SC-001, facing south

Photo 17. SC-001, facing southwest

Photo 18. SC-001, facing west

Photo 19. MB-001 and MB-002, hydrant and shut off, facing southwest

Photo 20. MB-001, water shut off, adjacent to MB-002

Photo 21. MB-003 and MB-004, facing northeast

Photo 22. MB-004 and MB-003 ROW, facing southwest

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: Kevin Hoskins
Date: 11-4-24
Signature of Customer/Agent:

Kevin Hoskins

Regulated Entity Name: 6809 Dallas Drive, Austin, TX 78729- North Austin MUD #1

Exception Request

1. ☒ **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.
2. ☒ **Attachment B - Documentation of Equivalent Water Quality Protection**. Documentation demonstrating equivalent water quality protection for the Edwards Aquifer is attached.

Administrative Information

3. ☒ 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.
4. ☒ The applicant understands that no exception will be granted for a prohibited activity in Chapter 213.
5. ☒ The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.

Attachment A - Nature of Exception.

Qr_rckclr md Umpi

Rmucp @sgjb-6809 Dallas Dr. Austin, TX 78729

🕐 @sgjb _lb glqr_jj mlc lcu FB E_jt_lgxcb Ksqam /..¦ Kmlm+Nmjc _r rfc 46.7 B_jj_q Bp, jma_rgml, Rfgq ugjj amlqgqr md bpgjjgle _ ngcp n_b rf_r gq _nnpmvgk_rcjw a 20gl bg_kcrcp _pc_ rf_r ugjj _nnpmvgk_rcjw 0. dr, bccn, Rfc kmlmnmjc gq bcqgelcb jgic _ dclac nmqr, Rfc amlqrpsargml gq _ k_rrcp md bpgjjgle msr _ 20 gl, `w 0.¦ dr, fmjc _lb bpmnngle _ f_pbclcb npc+a_qr 02¦ gl, `w 05¦ dr, jmle dmslb_rgml nmqr glrm rfc bpgjjcb fmjc, Rfc fmjc ugjj `c `_ai dgjjcb ugrf 2,2 w_pbq md pcbg+ kgv 1... nqg amlapcrc mlac rfc dmslb_rgml ngcp gq jctcjcb _lb qcaspcb, Rfc qnmgjq dpmk rfc bpgjjgle ugjj `c gk kcbg_rcjw jm_bcb _q cva_t_rcb ml rm _ bs kn rp_gjcp u fcpc rfcw ugjj `c f_sjcb mdd rfc npmncprw rm _ jma_j j_lb dgjj rm `c npmncpjw bgqnmqcb md, ? lw nmqqg`jc qgjr mp qjsppw kgv md qmgj _lb u_rcp rf_r kgefr nmqqg`jw cqa_nc rfc ngcp dmslb_rgml ugjj `c amlrpmjjcb `w _ /-/4 v 1¦ glqr_jjcb qgjr dclac qsppmslbgle rfc dmslb_rgml, Gd rfcpc gq _lw qjsppw-qmjgb kgv rf_r cqa_ncq rfc ngcp gr ugjj `c amjjcarcb ml _ qgjr dclac qrwjc slbcp j_kclr _lb pckmtcb dpmk rfc npmncprw, Uc ugll not be disturbing any of the surface of the property other than 42' circle that represents the pier area.

We will not be removing or damaging any trees.

We sill not be removing any top soil or surface foliage as part of the project.

We will not be changing the natural coutures or slopes or runoffs of the property as a result of our servers.

We will not be creating anything that obstructs the current property runoff.

We will not be raising the soil level or taking away from the existing soil level.

We will not be drilling into any cavern areas or underground water pockets as a result of this project.

We will not be creating any areas where water will stand or pool as a result of the project.

Attachment B - Documentation of Equivalent Water Quality Protection.

The local vegetation is helping provide equivalent water quality protection for the minor impervious cover.

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: Kevin Hoskins

Date: 11/4/24

Signature of Customer/Agent:

Kevin Hoskins

Regulated Entity Name: North Austin MUD #1

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: None-Nothing to be store on

   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: _____

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.

Sequence of Construction- Attachment C- Sequence of Major activities:

1. **Install 25' x 25' x 4' silt fence around the construction area, which will be a target 10' x 10' area, with the central construction impact are being a 48" in diameter hole/pier.**
2. **Set up drilling truck-rig within 5' of the target drilling point near the well house on the property. No impact to the property- Outriggers will be set down on surface pads to avoid creating major impressions int he soil.**
3. **Commencing Drilling with a 48" augur bit and drill the 48" x 20' pier for the monopole. All spoils from the drilling to be immediately loaded onto a dump trailer up completion of the drilling which will take approximately 6 hours.**
4. **While drilling is in progress ground team will assemble the 100' Galvanized Steel Monopole and prep/stage it to be inserted into the new 48" pier.**
5. **Insert the new 100' Monopole into the new 48" pier and secure/level it with the leveling wedges. This will be accomplished by rigging with a 180' 100 Ton crane and lifting the pole into the new pier hole.**
6. **Backfill around the new Monopole, inside the new 48" pier with standard 3000 PSI concrete up to standard ground level, with a 3-4" reveal at the base of the monopole to prevent any standing water at the base of the pole.**
7. **Remove all excavated earth spoils and restore surface to grass finish.**
8. **Total project timing from the setup of the silt fence to restoring the grass will be one week.**

Attachment F- Structural Practices:

1. **There are no anticipate flow disruptions to the natural flow of run off water during this installation as there will not be any significant ground disruption or structural changes to the topological area that the tower will be installed in.**

Attachment I- Inspection and Maintenance of BMPs

1. **All silt fence will be inspected for structural integrity and deformations daily and repaired as necessary.**
2. **All spoils from drilling will be removed completely as they are removed from the drilling site.**
3. **Any spoils from the concrete back fill which is only 3 yards of concrete going to the pier will be cleaned and completely removed from the site.**
4. **Any debris and or construction trash will be managed actively in trash bins and removed from the site daily during the one week construction process.**

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: 6809 Dallas Dr., Austin, TX 78729
Regulated Entity Location: 6809 Dallas Dr., Austin, TX 78729
Name of Customer: North Austin MUD #1
Contact Person: Kevin Hoskins Phone: (210)-892-3800
Customer Reference Number (if issued):CN _____
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
☒ Mailed to: TCEQ - Cashier
Revenues Section
Mail Code 214
P.O. Box 13088
Austin, TX 78711-3088

☐ San Antonio Regional Office
☐ Overnight Delivery to: TCEQ - Cashier
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

Type of Plan	***Size***	***Fee Due***
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	Each	$ $500.00
Extension of Time	Each	$

Signature: Kevin Hoskins Date: 12/4/24

Application Fee Schedule

Texas Commission on Environmental Quality
Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

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 5 < 10 10 < 40 40 < 100 100 < 500 ≥ 500	$1,500 $3,000 $4,000 $6,500 $8,000 $10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1 1 < 5 5 < 10 10 < 40 40 < 100 ≥ 100	$3,000 $4,000 $5,000 $6,500 $8,000 $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 on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

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

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

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

2. Customer Reference Number *(if issued)*: CN 600890065

Follow this link to search for CN or RN numbers in Central Registry**

3. Regulated Entity Reference Number *(if issued)*: RN 102953726

SECTION II: Customer Information

4. General Customer Information | **5. Effective Date for Customer Information Updates** (mm/dd/yyyy): 11/6/2024

☐ New Customer ☒ Update to Customer Information ☐ Change in Regulated Entity Ownership

☐ Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)

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

6. Customer Legal Name *(If an individual, print last name first: eg: Doe, John)*: North Austin MUD #1

If new Customer, enter previous Customer below:

7. TX SOS/CPA Filing Number	8. TX State Tax ID (11 digits)	9. Federal Tax ID (9 digits)	10. DUNS Number *(if applicable)*
n/a	n/a	74-2543082	n/a

11. Type of Customer: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☐ City ☐ County ☐ Federal ☒ Local ☐ State ☐ Other ☐ Sole Proprietorship ☐ Other:

12. Number of Employees: ☒ 0-20 ☐ 21-100 ☐ 101-250 ☐ 251-500 ☐ 501 and higher

13. Independently Owned and Operated?: ☐ Yes ☒ No

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

☒ Owner ☐ Operator ☐ Owner & Operator ☐ Other:

☐ Occupational Licensee ☐ Responsible Party ☐ VCP/BSA Applicant

15. Mailing Address: 2601 Forest Creek Drive

City	State	ZIP	ZIP + 4
Round Rock	TX	78665	1232

16. Country Mailing Information *(if outside USA)*	17. E-Mail Address *(if applicable)*
n/a	n/a

18. Telephone Number	19. Extension or Code	20. Fax Number *(if applicable)*
(512) 246-1400	n/a	(512) 246-1900

SECTION III: Regulated Entity Information

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

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

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

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

North Austin MUD #1

23. Street Address of the Regulated Entity: *(No PO Boxes)*	6809 Dallas Drive						
	City: Austin	State: TX		ZIP: 78729		ZIP + 4: 7865	
24. County	Williamson						

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

25. Description to Physical Location:					
26. Nearest City			**State**		**Nearest ZIP Code**

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

27. Latitude (N) In Decimal:	30.44952		28. Longitude (W) In Decimal:	-97.74785	
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)
~~4941~~ 4941			

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

Water Utility

34. Mailing Address:	2601 Forest Creek Drive						
	City: Round Rock	State: TX		ZIP: 78665		ZIP + 4: 1232	
35. E-Mail Address:	ahmed@crossroadsus.com						

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
(512) 246-1400	n/a	(512) 246-1900

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

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

SECTION IV: Preparer Information

40. Name:	Andrew Hunt	41. Title:	General Manager

42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 246-1400	n/a	(512) 246-1400	ahunt@crossroadsus.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:	North Austin MUD #1	Job Title:	General Manager
Name *(In Print)*:	Andrew Hunt	Phone:	(512) 246-1400
Signature:		Date:	11/8/24