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: Behrens Ranch Metro Park						**2. Regulated Entity No.:**			
3. Customer Name: City of Round Rock						**4. Customer No.:** CN600413181			
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):**		228.4	
9. Application Fee:			**10. Permanent BMP(s):**						
11. SCS (Linear Ft.):			**12. AST/UST (No. Tanks):**						
13. County:	Williamson		**14. Watershed:**					Brushy Creek	

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.)	__	__	__
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 __Cedar Park __Florence __Georgetown __Jerrell __Leander __Liberty Hill __Pflugerville X 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. Jen Henderson
Print Name of Customer/Authorized Agent
Signature of Customer/Authorized Agent — Date: 12/20/2023

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: Jen Henderson

Date: 02/09/2024

Signature of Customer/Agent:

Rachel J. Culp for Jen Henderson

Project Information

1. Regulated Entity Name: Behrens Ranch Metro Park
2. County: Williamson
3. Stream Basin: Brushy Creek
4. Groundwater Conservation District (If applicable): _____
5. Edwards Aquifer Zone:

   ☒ Recharge Zone
   ☐ Transition Zone

6. Plan Type:

   ☐ WPAP
   ☐ SCS
   ☐ Modification
   ☐ AST
   ☐ UST
   ☒ Exception Request

7. Customer (Applicant):

   Contact Person: Brooks Bennett
   Entity: City of Round Rock
   Mailing Address: 221 E Main St
   City, State: Round Rock, TX Zip: 78664
   Telephone: (512) 218-7070 FAX: _____
   Email Address: bbennett@roundrocktexas.gov

8. Agent/Representative (If any):

   Contact Person: Jen Henderson, P.E.
   Entity: Henderson Professional Engineers
   Mailing Address: 600 Round Rock West Dr, Suite 604
   City, State: Round Rock, TX Zip: 78681
   Telephone: (5120 350-6228 FAX: _____
   Email Address: HPE@hendersonpe.com

9. Project Location:

   ☒ The project site is located inside the city limits of Round Rock.
   ☐ 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.

    FM 3406 Round Rock, TX 78681

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.
    ☒ USG5 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: _____

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: Land (Parks and Recreation)

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.

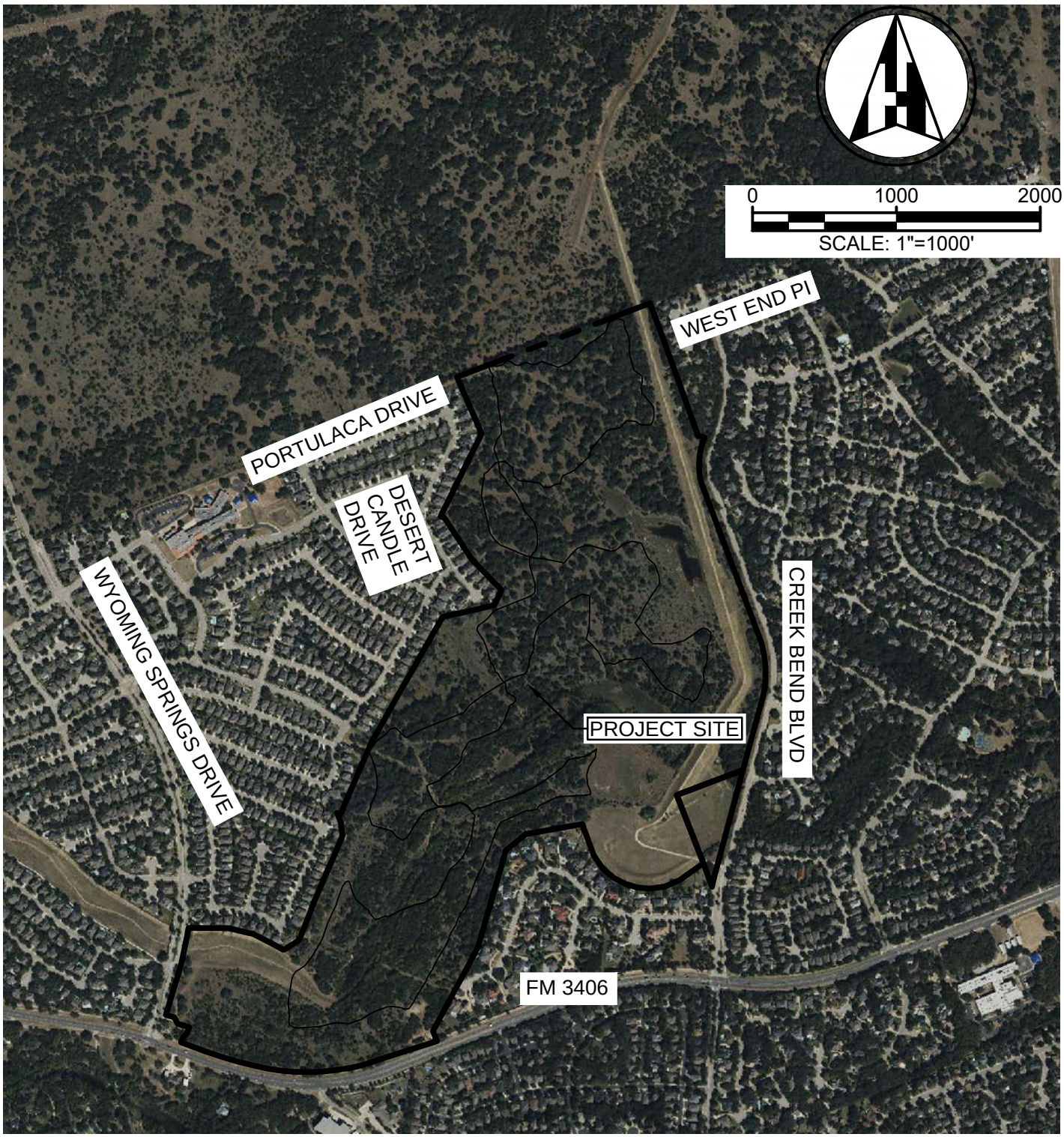


EXHIBIT
TO SERVE

BEHRENS RANCH

FM 3406
ROUND ROCK, TX, 78681

ROAD MAP

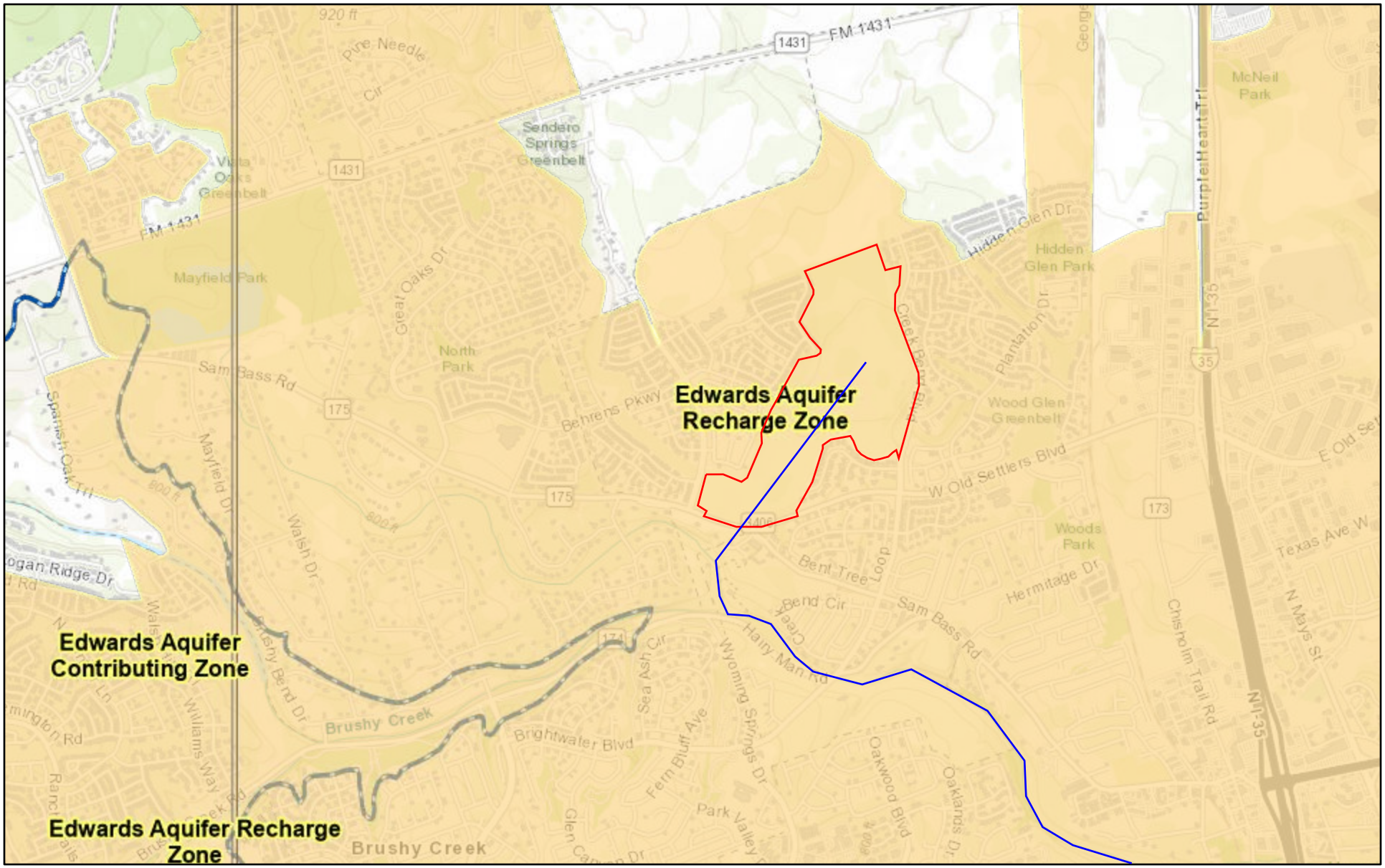
Henderson Professional Engineers

HPE Civil Engineering

600 ROUND ROCK WEST DRIVE, SUITE 604
ROUND ROCK, TX 78681
512.350.6228
PELS FIRM #F-22208
www.hendersonpe.com

WBE210166 | HUB 1853873845300

Edwards Aquifer Viewer Custom Print



9/12/2023, 4:11:08 PM

1:36,112

0 0.28 0.55 1.1 mi

0 0.42 0.85 1.7 km

Edwards Aquifer Label

Edwards Aquifer Boundary

Edwards Aquifer Boundary central line

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, METI/NASA, EPA,

Web AppBuilder for ArcGIS

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

HPE
Civil Engineering

Project Description

The project site is 228.4 acres located north of FM 3406 and between Wyoming Springs Drive and Creek Bend Boulevard. The address, according to Williamson Central Appraisal District, is FM 3406, Round Rock, TX 78681. The project site is located within the city limits of the City of Round Rock, Williamson County, Texas.

The majority of the project site is under 782’ of elevation and is designated as a 100-year floodplain, which equates to a 1% chance it floods in any given year. The higher elevations of 782’ - 784’ are designated as a 500-year floodplain, meaning a 0.2% chance of it flooding during any given year. The highest few feet of the property, typically along the property lines, are out of the floodplain entirely, although under 784.3’ is still in the Inundation Easement. Most of the project site lies within FEMA map panel 48491C0487F, with the southwest portion intruding into an intersection of four panels, including 48491C0486F, 48491C0488F, and 48491C0489F, all of which are effective December 20, 2019.

The project site is located within the Edwards Aquifer Recharge Zone. Hydrologic soil group information came from digital information served by the United States Department of Agriculture Natural Resources Conservation Service through the Web Soil Survey 2.0 portal. The project site is entirely type ‘D’ soil.

The project site is currently used for parks and recreation. Many trees are apparent throughout the entire property. The existing impervious cover of the project site is 0% and the proposed is 0%.

The proposed development of this project currently is to create additional trails throughout the property by packing down the soil sourced from on-site in a specific manner to create a tread, with no change to impervious cover. Future additions not part of this project may include a parking lot, a playground, and a pumptrack area. There are no permanent BMPs on the site. No demolition is planned with this project.

December 30, 2022

GEOLOGIC ASSESSMENT

Behrens Ranch Park
Sam Bass Road at Wyoming Springs Drive.
Round Rock, Texas

Submitted to:
City of Round Rock, Texas
Parks and Recreation Department
301 Bagdad Avenue
Round Rock, Texas 78664

PROJECT NUMBER:
178356.01.01

PROJECT CONTACT:
Steve McVey
EMAIL:
steve.mcvey@powereng.com
PHONE:
512-879-6625

POWER ENGINEERS

Geologic Assessment

PREPARED FOR: *CITY OF ROUND ROCK*

PREPARED BY: *STEVE MCVEY, PG*
512-879-6625
STEVE.MCVEY@POWERENG.COM

GEOLOGIC ASSESSMENT FOR BEHRENS RANCH PARK

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

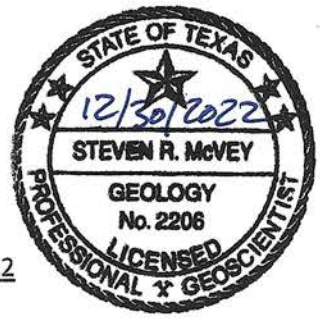
To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Print Name of Geologist: Steve McVey Telephone: 512-879-6625

Date: 12/30/2022 Fax: 512-329-8253

Representing: POWER Engineers, Inc., Firm Registration No. 50585 (Name of Company and TBPG or TBPE registration number)

Signature of Geologist:



Regulated Entity Name: City of Round Rock

Project Information

1. Date(s) Geologic Assessment was performed: 7/8,10/21 & 12/30/2022
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)
Georgetown stony clay loam, 1 to 3 percent slopes (GsB)	D	3-5
Eckrant stony clay, 0 to 3 percent slopes, stony (EaB)	D	<1
DAM, 1 to 8 percent slopes	D	0-18
Eckrant stony clay, 1 to 8 percent slopes (EaB)	D	<1

** 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" = 300'
   Site Geologic Map Scale: 1" = 300'
   Site Soils Map Scale (if more than 1 soil type): 1" = 300'

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 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.

ATTACHMENT A GEOLOGIC ASSESSMENT TABLE

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: Behrens Ranch Park Round Rock, Texas

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	
P-1	30.533080	-97.722270	MB	30	Ked	7035	5	5	--	--	--	--	C	8	38	X		X		Hillside
P-2	30.533071	-97.719745	MB	30	Ked	90	5	5	--	--	--	--	C	8	38	X		X		Drainage
P-3	30.524262	-97.716613	CD	5	Ked	6	6	1	--	--	--	--	O	15	20	X		X		Hillside
P-4	30.532562	-97.718197	MB	30	Ked	1150	4	4	--	--	--	--	C	8	38	X		X		Hillside
P-5	30.535079	-97.715152	CD	5	Ked	7	6	0.8	--	--	--	--	O	15	20	X		X		Hillside
P-6	30.536707	-97.71722	MB	30	Ked	10	10	2	--	--	--	--	C	5	35	X		X		Streambed
P-7	30.53669	-97.717431	MB	30	Ked	300	4	4		--	--	--	C	8	38	X		X		Hillside
P-8	30.535111	-97.710367	MB	30	Ked	?	2	4	--	--	--	--	C	8	38	X		X		Hillside
P-9	30.535814	-97.712868	Z	30	Ked	0.9	0.4	0.7		--	--	--	O	25	55		X		X	Floodplain
P-9a	30.535806	-97.712691	Z	30	Ked	1.3	0.3	0.8	--	--	--	--	O	25	55		X		X	Floodplain
P-9b	30.535894	-97.712691	Z	30	Ked	1.0	0.4	1.0	--	--	--	--	O	25	55		X		X	Floodplain
P-9c	30.535943	-97.712685	Z	30	Ked	1.0	0.5	0.3	--	--	--	--	O	25	55		X		X	Floodplain
P-9d	30.535859	-97.71267	Z	30	Ked	2.0	0.6	0.4	--	--	--	--	O	25	55		X		X	Floodplain
P-10	30.53702	-97.713691	CD	5	Ked	9.0	9.0	1.5	--	--	--	--	F	15	20	X		X		Hillside
P-11	30.539512	-97.713056	CD	5	Ked	9.5	7.5	1.0	140	0	--	--	F	15	20	X		X		Hillside
P-12	30.539532	-97.714317	SF	20	Ked	5.0	4.0	2.0	130	0	--	--	O	30	55		X	X		Hillside

* 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

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.

Steven McVey

Date December 30, 2022

Sheet 1 of 2

STATE OF TEXAS
12/30/2022
STEVEN R. McVEY
GEOLOGY
No. 2206
LICENSED
PROFESSIONAL GEOSCIENTIST

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

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: Behrens Ranch Park Round Rock, Texas

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	
P-13	30.544799	-97.712321	SC	20	Ked	15	4	7	340	--	NA	NA	NO	34	54		X	X		Hillside
P-14	30.54235	-97.71261	CD	30	Ked	6	6	1	--	--	NA	NA	C	8	38	X		X		Hillside

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

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

Date: December 30, 2022

Sheet 2 of 2

STATE OF TEXAS
12/30/2022
STEVEN R. McVEY
GEOLOGY
No. 2206
LICENSED
PROFESSIONAL GEOSCIENTIST

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

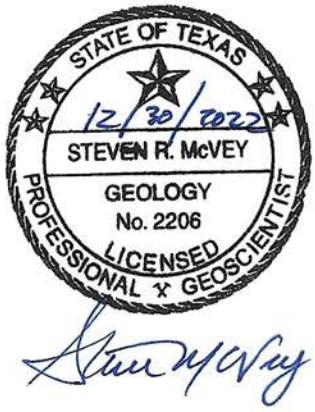
ATTACHMENT B STRATIGRAPHIC COLUMN

ATTACHMENT B
STRATIGRAPHIC COLUMN

Age	Unit	Description	Max Thickness in Feet
Cretaceous	Del Rio Clay and Georgetown Formation	Del Rio Clay- med. grey, blocky, calcareous and gypsiferous clay with thin silty lenses, pyrite nodules and marine megafossils; Georgetown Limestone- fine grained, lt. grey argillaceous limestone and marl, thick bedded and soft with marine megafossils common.	70-150
Cretaceous	Edwards Limestone (Ked)	Limestone, dolomite, and chert ranging from aphanitic to fine-grained, massive to thin bedded, hard, brittle, fossiliferous.	Variable

Data Sources: USGS Mineral Resources On-Line Spatial Data

Note: The shaded unit respresents the lithology that outcrops in the Project Site



ATTACHMENT C NARRATIVE OF SITE-SPECIFIC GEOLOGY

NARRATIVE OF SITE-SPECIFIC GEOLOGY

1.0 INTRODUCTION

A geologic assessment of the proposed Behrens Ranch Park (Property) was conducted by POWER Engineers, Inc. pursuant to Texas rules for regulated activities on the Edwards Aquifer Recharge Zone (EARZ) (30 TAC 213).

1.1 Project Description

The Property is located on the northeast corner of the intersection of Sam Bass Road and Wyoming Springs Drive, Round Rock, Williamson County, Texas. The Property is a 225+/- acre tract of land that is predominantly undeveloped, with the exception of a Natural Resources Conservation Service (NRCS) dam (No. 12). The Property is occupied by two unnamed tributaries of Onion Branch. The majority of the Property that is upstream from the dam structure is mapped as the 100- and 500-year floodplain.

The proposed development of the Property is to construct a walking path (3.5 miles) that will connect to the Behrens Ranch Greenbelt Trail. The Property is bound by residential lots except along the northern boundary which is undeveloped. The approximate geographic coordinates of the approximate center of the Property are latitude 30.537111° and longitude -97.714369°.

The geologic assessment was conducted to meet regulations for land located within the recharge zone of the EARZ.

1.2 Geologic Assessment Scope

The geologic assessment included the following data collection and evaluation tasks:

- Published geological and/or hydrological reports for Williamson County and the Round Rock area were reviewed.
- The Geologic Assessment for Behrens' Ranch at FM 3406 Williamson County, Texas prepared by Horizon Environmental Services, Inc., March 1999.
- Texas Water Development Board groundwater well reports and submitted driller's reports were reviewed for information about wells at the site and local formation descriptions and thicknesses.
- A field survey was conducted by registered professional geoscientists, Steve McVey, P.G. (TX License No. 2206) and Robert von Czoernig (TX PG License No. 11407), on select days between July 8 through December 30, 2022. The survey was conducted by walking transects (less than 50 feet), east to west, across the entire site.
- Historical aerial imagery and United States Geological Survey (USGS) topographic maps were reviewed to understand the surficial nature and history of the site.

2.0 SITE GEOLOGY

The project site is located within the EARZ, as defined by the Texas Commission on Environmental Quality (TCEQ). The EARZ collects rainfall and funnels it through streams, fractures, and faults for

direct infiltration into the aquifer. The Property is situated on an outcrop of the Edwards Limestone (Ked) of the Cretaceous Fredericksburg Group (see Attachment D-1: Site Geology and Soils Map)(GDbT). Most of the Project site has a thick soil profile with isolated, small areas of exposed bedrock. The surface of the eastern portion of the site has been disturbed with the construction of the NRCS dam and emergency spillway. The dam is constructed of fill material ranging from large boulders to fine grained limestone and clay. Selected areas adjacent to the dam contain a mixture of concrete and limestone debris compacted with fine-grained material.

The Project site is mapped by Housh at the southern end of the Onion-Three Mile fault series. The Onion Fault lies a few hundred feet to the west and the Three Mile Fault lies one-half of a mile or more to the east of the project site. The vertical displacement along these two northeast-trending normal faults range from a maximum of 170 feet to the north to approximately 50 feet at its southern end.

The lithology of the Edwards Limestone is characterized as limestone, dolostone, and chert. The limestone is described as aphanitic to fine grained; the bed thickness ranges from thin to massive, hard, brittle, and fossiliferous. The dolostones are fine to very fine grained with a porous matrix that ranges from medium gray to grayish brown. This unit often contains chert, nodules and erodes to plates. The Edwards ranges in thickness from 60-350 feet and thins northward. The underlying Comanche Peak Limestone is characterized as a fine to very fine grained porous (burrowed) limestone. This lithologic unit is fairly hard and nodular and weathers to a light gray to white. The Comanche Peak may be as much as 80 feet thick. The Comanche Peak was not observed on the Project area.

2.1 Topography and Surface Drainage

The topography of the project site ranges from a high of near 790 feet mean sea level (msl) near the southwest corner to a low of 768 feet msl at the riser of the dam. The ground surface slopes from west to east and forms several small drainages that drain westward to collect and form two larger streams that are impounded by the dam. The impoundment drains to Onion Branch and eventually into Brushy Creek south of US Highway 79 at Georgetown Street. The only notable topographic feature is the NRCS dam that is about 20 feet high at its highest point and is 4,850 feet long (see Attachment D-1).

2.2 Structural Geology and Stratigraphy

The inactive Balcones Fault Zone dictates the structural geology of the region. As previously stated, the project site lies on a fault block defined by two down-to-the-east northeast-trending faults. The normal fault appears to have minimal displacement (50 feet) as early Upper Cretaceous formations outcrop on both side of the fault. The upthrown side of the Onion Fault exposes the Comanche Peak along Brushy Creek.

2.3 Geologic and Manmade Features

Eight geologic features and six manmade features were identified on the Property during the site reconnaissance. Visual evidence of natural fractures or voids promoting rapid infiltration were observed at the site. The following provides a brief description of each of the features identified on the Property.

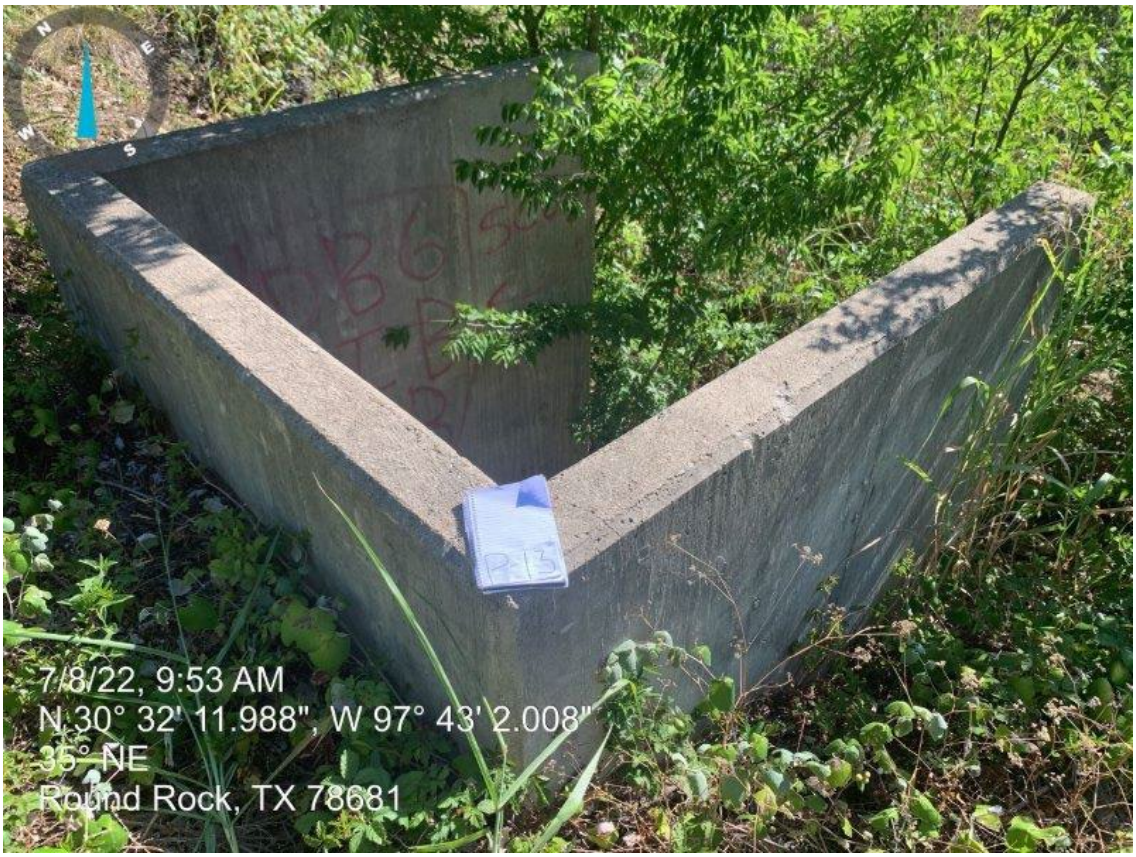
P-1 – Manmade Feature in Bedrock – This feature is a wastewater main that traverses the southern-half of the Property. The system consists of a 24-inch diameter concrete interceptor line and three 10-inch diameter PVC collector lines. The estimated buried utility within the Property boundary is about 7,000 feet long and can be visually located on the ground by numerous manholes. The pipe is assumed to be installed in bedrock but was not excavated during the field survey. It is located on a gentle slope with a limited catchment. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

P-2 – Manmade Feature in Bedrock –This feature is a buried stormwater discharge pipe that daylights at an outfall 90 feet east of the property boundary. It is composed of a 36-inch diameter concrete pipe that enter the Property along the western property boundary and services the adjoining Behrens' Ranch residential subdivision. It is assumed to be installed in bedrock but was not excavated during the field survey. It is located on a gentle slope with a limited catchment from within the neighborhood. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

P-3 – Non-Karst Closed Depression – This feature is a non-karst closed depression. The soil filled depression is about 1 foot deep and 6 feet in diameter. The surrounding area is characterized as thick soil with loose rock within a dense motte of juniper and oak. It is located on a hillside with a minimal catchment area. This feature is not located on the dominant trend of the area. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

P-4 – Manmade Feature in Bedrock – This feature is a buried potable water supply pipeline that traverses the Property in the south and provides services to Mira Vista and the Behrens' Ranch residential subdivisions. It is composed of a 12-inch diameter pipe that enters the Property along the western property boundary, adjacent to P-3, and exits along the eastern property boundary. The pipe is assumed to be installed in bedrock but was not excavated during the field survey. It parallels small drainage and traverses a larger drainage. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

P-5 – Non-Karst Closed Depression – This feature is a non-karst closed depression that measures 6-7 feet in diameter and 0.8 feet deep. It is located on a hillside with a minimal catchment area. This feature is not located on the dominant trend of the area. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).



P-6 – Manmade Feature in Bedrock – This feature is an outfall structure for a stormwater discharge pipe. The concrete structure is installed in bedrock and is provides a flow dissipater for the stormwater discharge. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

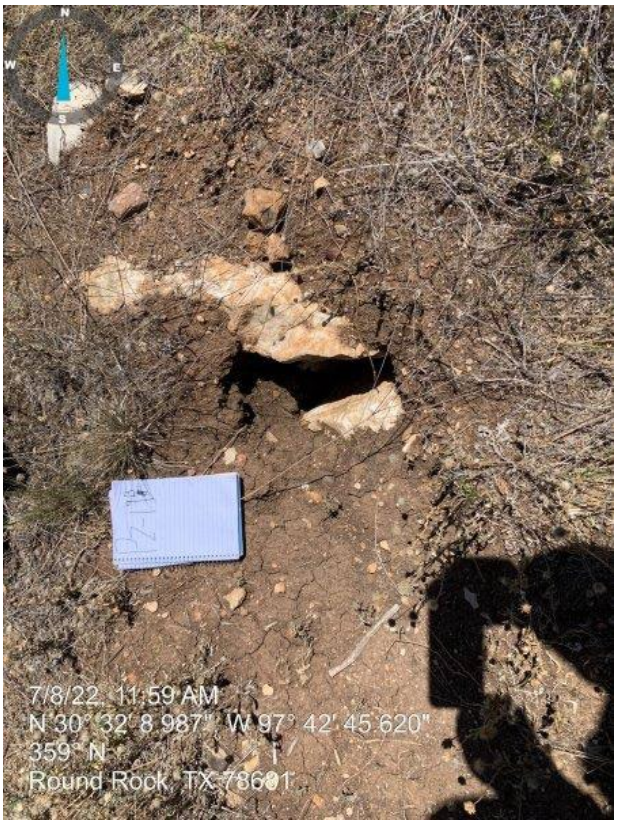
P-7 – Manmade Feature in Bedrock – This feature is a buried stormwater discharge pipe that daylights at an outfall previously described as feature P-6. It is composed of a 54-inch diameter reinforced concrete pipe that enters the Property along the western property boundary and services the adjoining Behrens' Ranch residential subdivision. The pipe is assumed to be installed in bedrock but was not excavated during the field survey. It is located on a gentle slope with a limited catchment from within the neighborhood. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

P-8 – Manmade Feature in Bedrock – This feature is a buried natural gas supply pipeline (operated by Atmos Energy) that parallels a portion of the eastern property boundary. The pipe is assumed to be installed in bedrock but was not excavated during the field survey. It lies downstream to the dam. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

P-9 - P-9d – Zone/Cluster – Each of these five features that are in a general trend (N 10°) that is about 50 feet long. Each feature is essentially identical and has characteristics typical of a solutioned-enlarged fracture, but the rock appears to be in boulders within a thick layer of soil and fine-grained material. The area is located upstream from the dam and adjacent to the emergency spillway. The location, proximity, and appearance suggest the surface and subsurface is not undisturbed bedrock but has been manipulated and regraded to facilitate proper drainage in the event of a flood. Regardless of potential mechanical manipulation, each of these features have a high probability to rapidly transmit water to the subsurface. This feature is rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

P-9a

P-9b


7/8/22, 11:59 AM
N 30° 32' 8.987", W 97° 42' 45.620"
359° N
Round Rock, TX 78681

P-9c


7/8/22, 12:02 PM
N 30° 32' 9.488", W 97° 42' 45.649"
331° NW
Round Rock, TX 78681

P-9d


N
E
W
S
7/8/22, 12:05 PM
N 30° 32' 9.488", W 97° 42' 45.649"
33° NE
Round Rock, TX 78681

P-10 – Closed Depression – This feature is a non-karst closed depression that measures about 9 feet in diameter and 1.5 feet deep. It is located on a hillside with a minimal catchment area. This feature is not located on the dominant trend of the area. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

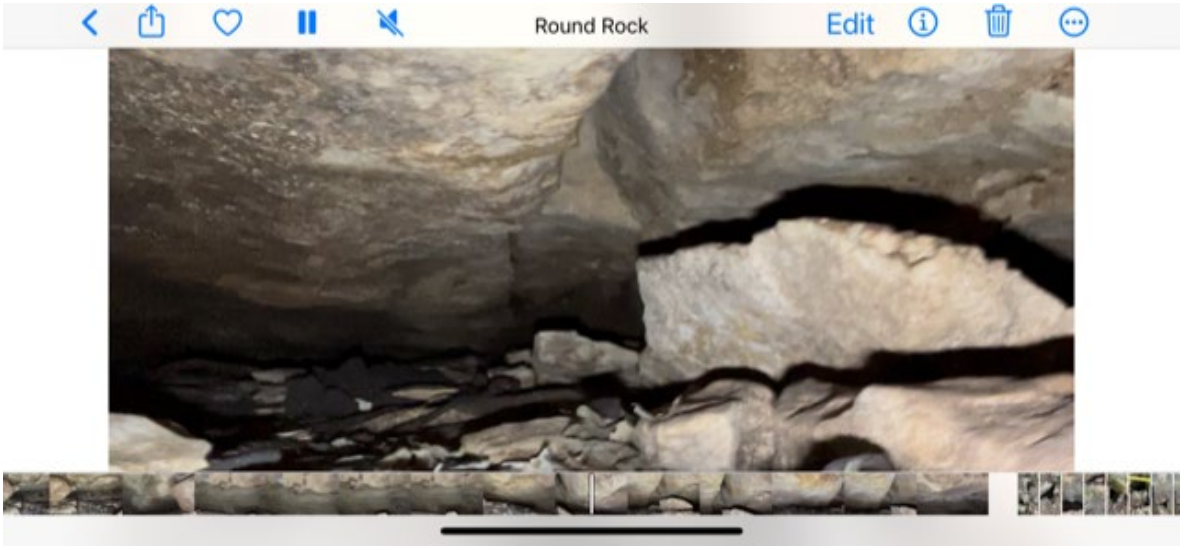
P-11 – Closed Depression – This feature is a non-karst closed depression that measures 9 feet in diameter and 1.5 feet deep. It is located on a hillside with a minimal catchment area. This feature is not located on the dominant trend of the area. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

P-12 – Solutioned-Enlarged Fracture – This feature is a surficial vertical fracture that has formed along secondary trend (N130°) and has been solutioned to form a vertical opening about 2 feet deep. The maximum dimension along the facture is 5 feet and the maximum width is 4 feet. The interior was filled with loose dry soil, leaves, and organic soil and terminated on hard unfractured bedrock. It is located on a hillside with a minimal catchment area. This feature is not located on the dominant trend of the area.

P-12 – Post Excavation – Hand excavation was performed on this feature to determine if any subsurface developed had occurred. Loose rock, soil, and leaf litter was removed to find competent unfractured bedrock underneath a narrow (0-2 inches) bedding plane void. However, this feature has a higher probability to rapidly transmit water to the subsurface. This feature is rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

P-13 – Solutioned-Enlarged Cavity – This feature is a vertical solutioned-enlarged cavity of undetermined dimensions. The dimensions of the vertical opening 2.5 ft long by 1.75 feet wide. The measured accessible depth is 7 feet below grade. There are indications of rapid infiltration with litter and debris blocking off visual inspection from the surface. No air flow was detected but the extents of the subsurface void are larger than can be inspected at the surface. The feature is located at the toe of the upstream side of the dam and under normal conditions has a minimal catchment area. This feature is not located on the dominant trend of the area. Excavation was not performed on the feature. This feature has a high probability to rapidly transmit water to the subsurface. This feature is rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

P-13 Interior - View from surface looking straight to floor which is about 7 feet below grade. The vertical sides of the solution cavity are fluted and have been worn smooth by surface water.



P-13 Interior - View from floor of void looking north into a narrow bedding plane void. A camera was lowered into the void on a telescoping pole. This image, taken from the floor, shows limited vertical development but the horizontal development appears to be 15 feet or more along the vertical fracture (north and south direction). The floor was uneven and contained some collapsed rock but appeared competent indicating recharge flow to likely move horizontally north or south.

P-14 – Non-Karst Closed Depression – This feature is a non-karst closed depression that measures 6 feet in diameter and 0.75 feet deep. It is located on a hillside with a minimal catchment area. This feature is not located on the dominant trend of the area. Excavation was not performed on the feature. This feature has a low probability to rapidly transmit water to the subsurface. This feature is not rated as sensitive according to the Edwards Aquifer Rules (30 TAC §213.5(b)(3)).

3.0 CONCLUSIONS

The research and site reconnaissance conducted for this Geologic Assessment discovered a total of 14 features. Eight of the features are geologic in nature and the remaining 6 are manmade. Three of the features (geologic) have been assessed to have a high probability for rapid infiltration. Features 9, 12, and 13 were observed to have solutioned-enlarged voids at ground surface that enables surface flow to enter the subsurface directly. Feature 9 is classified as a cluster and consists of five small surface openings on a surface that has been regraded and includes boulders and fine-grained materials. While these three features are considered sensitive each has a limited catchment area and is not located adjacent to a drainage or stream. Additionally, the features are located at higher elevations making the likelihood of inundation resulting from impoundment of flood water from the NRCS dam unlikely. The remaining features identified at this site were assessed as having a low probability for rapid infiltration to the Edwards Aquifer.

4.0 REFERENCES

Google Earth Pro V 7.1.5.1557. (imagery dated March 2022) Round Rock, Texas. 30.531167°, -97.671896°, eye alt 980 feet.

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United States Geologic Survey (USGS). 2007. Geologic Database of Texas (GDbT) - Vector digital data published by the Texas Water Development Board. https://mrdata.usgs.gov/geology/state/state.php?state

ATTACHMENT D-1 SITE GEOLOGIC PLAN

Legend

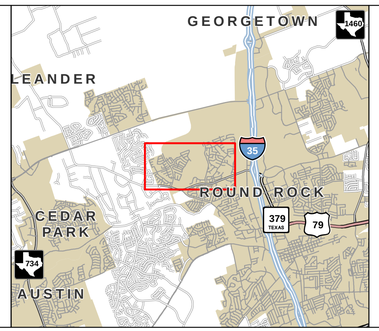
- Project Area
- P-9 — Geologic or Manmade Feature
- Buried Water Utilities
- Fault Line
- Geologic Formation Boundary

Ked - Edwards Formation
Kdg - Del Rio & Georgetown Formations

0 125 250 500 750 1,000
Feet
1 inch = 300 feet

12/30/2022

STATE OF TEXAS
STEVEN R. McVEY
GEOLOGY
No. 2206
LICENSED
PROFESSIONAL GEOSCIENTIST



CITY OF ROUND ROCK

GEOLOGIC ASSESSMENT
FOR BERHRENS RANCH PARK

ATTACHMENT D-1
SITE GEOLOGIC MAP

ROUND ROCK, TEXAS

POWER ENGINEERS

Date: 12/29/2022

Path: G:\Projects\178356_CityofRoundRock_BehrensPark\Apps\Geologic_Assessment.mxd

ATTACHMENT D-2 SITE SOIL MAP

EDWARDS AQUIFER RECHARGE ZONE

ErE
EeB
EeB
EeB
CfB
GsB
GsB
W
W
DAM
EeB
EaD
DnC
EaD
ErE
CfB
FaA
CfB
ErE

ADAGIO PL
ANGELO LN
CANGELO WAY
SENDERO SPRINGS DR
CURTIS DR
EAGLE WAY
RANCH PARK TRL
BRIAR OAK LN
CARYA CT
POINTE PL
GOLDENOAK CIR
ARBOR DR
WALSH RANCH BLVD
EDGECREEK PL
STONECREEK PL
CEDAR SPRINGS PL
CRESTFIELD PL
BEHRENS PKWY
BASALT CV
MARCASITE DR
ALEXANDRITE WAY
SAM BASS RD
LAZY OAK CV
TEXANA CT
ARBOR PATH
MASONWOOD WAY
ARBOR CT
TONKAWA TRL
STONECREEK DR
CHAROLAIS CT
PORTULACA DR
DALEA ST
SAWGRASS LN
DESERT CANDLE DR
WYOMING SPRINGS DR
COVINGTON PL
SUMAC CT
BEHRENS PKWY
MIRASOL LOOP
AGAVE LOOP
NOLINA LN
MIRASOL DR
CREEK BEND BLVD
COURT DEL REY
CAMINO DEL VERDES PL
RED OAK CIR
SMOKE TREE TRL
SAVANNAH DR
TARLETON LN
PLANTATION DR
PLANTATION CV
WOODS BLVD
CHAPARRAL DR
OAK PL
OAK HOLLOW DR
LACEY OAK LOOP
WOODSTON DR
WOOD GLEN DR
INVERNESS DR
KIMBROOK DR
FALKIRK CV
FALKIRK DR
BRUNSON CT
BERWICK DR
DONNER PATH
HENLEY DR
WOLKIN CV
LONCOLA CT
BECCA TEAL RL
RESNICK DR
LOYAGA DR
CHATELLE DR
CUERO CV
LAUREL GROVE WAY
CELTIC CV
MESA VERDE DR
W END PL
HIDDEN GLEN DR
NUELTIN CT
VIBAR CV
LAS COLINAS WAY
NATIVE GARDEN CV
CORONADO CV
VAQUERA CT
WHITEHURST DR
3406

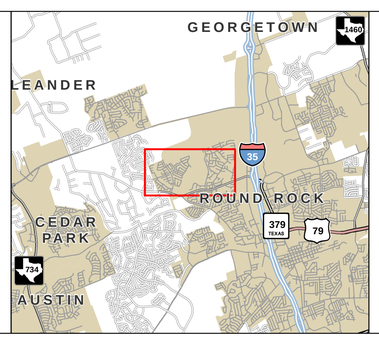
Legend

- Project Area
- SSURGO Soil

DAM - Dams, 1 to 8 percent slopes
EaD - Eckrant cobbly clay, 1 to 8 percent slopes
EaB - Eckrant stony clay, 0 to 3 percent slopes, stony
GsB - Georgetown stony clay loam, 1 to 3 percent slopes
W - Water

0 125 250 500 750 1,000
Feet

1 inch = 300 feet



CITY OF ROUND ROCK

GEOLOGIC ASSESSMENT
FOR BERHRENS RANCH PARK

ATTACHMENT D-2
SITE SOIL MAP

ROUND ROCK, TEXAS

POWER ENGINEERS

Date: 12/29/2022

Path: G:\Projects\178356_CityofRoundRock_BehrensPark\Apps\Soil_Assessment.mxd

Recharge and Transition Zone Exception Request Form

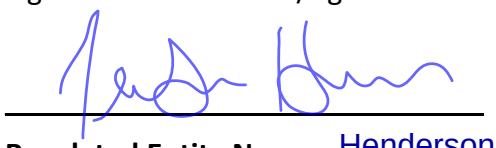
Texas Commission on Environmental Quality
30 TAC §213.9 Effective June 1, 1999

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: Jen Henderson
Date: 12/20/2023
Signature of Customer/Agent:



Regulated Entity Name: Henderson Professional Engineers

Exception Request

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

Administrative Information

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

Nature Of Exception

30 TAC §213 Subchapter A, Rule §213.9 (a):

(a) Granting of exceptions. Exceptions to any substantive provision of this chapter related to the protection of water quality may be granted by the executive director if the requestor can demonstrate equivalent water quality protection for the Edwards Aquifer. No exception will be granted for a prohibited activity. Prior approval under this section must be obtained from the executive director for the exception to be authorized.

The proposed development for the property does not add any impervious cover, thus would not negatively affect discharge from the site.

Equivalent Water Quality Protection

The construction activities associated with the Behrens Ranch plan of development could result in additional Total Suspended Solids (TSS) loads during the construction of the site improvements. This potential increased locating will be mitigated with the use of silt fencing that is to be placed downgradient of the active construction areas and the placement of stabilized construction entrances at the entrance of the project, located on FM 3406. Rock berms may be used in areas of concentrated flows during construction activities.

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: Jen Henderson

Date: 02/12/2024

Signature of Customer/Agent:

Randy - C/P for Jen Henderson

Regulated Entity Name: Behrens Ranch Metro Park

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: _____

   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: Brushy Creek

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.

Attachment A – Spill Response Actions

The first steps that should be taken in the event of a spill are keeping people safe, identifying what has been spilled, and determining if warning signs are needed. The next step is to call the State of Texas Spill-Reporting Hotline and the SERC: 1-800-832-8224 no later than 24 hours after the discovery of the spill or discharge. The local TCEQ office shall also be contacted at 512-339-2929. All clean-up will follow the Spill Prevention and Control guidance outlined in Chapter 327 of the Texas Administrative Code.

Reasonable Response Actions:

1. Arrival of the responsible person or response personnel hired by the responsible person at the time of the discharge/spill
2. Make an effort to stop the spill or discharge
3. Minimizing the impact of the spill on public health and the environment
4. Neutralizing the effects of the incident
5. Removing the discharged or spilled substances
6. Managing the wastes

HPE
Civil Engineering

Kind of spill	Where discharged	Reportable quantity	Rule, statute, or responsible agency
Hazardous substance	onto land	"Final RQ" in Table 302.4 in **40 CFR 302.4** (PDF)	**30 TAC 327**
	into water	"Final RQ" or 100 lbs, whichever is **less**	
Any oil	coastal waters	as required by the Texas General Land Office	**Texas General Land Office**
Crude oil, oil that is neither a petroleum product nor used oil	onto land	210 gallons (five barrels)	**30 TAC 327**
	directly into water	enough to create a sheen	
Petroleum product, used oil	onto land, from an exempt PST facility	210 gallons (five barrels)	**30 TAC 327**
	onto land, or onto land from a non-exempt PST facility	25 gallons	
	directly into water	enough to create a sheen	
Associated with the exploration, development and production of oil, gas, or geothermal resources	under the jurisdiction of the Railroad Commission of Texas	as required by the Railroad Commission of Texas	**Railroad Commission of Texas**
Industrial solid waste or other substances	into water	100 lbs	**30 TAC 327**
From petroleum storage tanks, underground or aboveground	into water	enough to create a sheen on water	**30 TAC 334** .75-81
From petroleum storage tanks, underground or aboveground	onto land	25 gallons or equal to the RQ under **40 CFR 302**	**30 TAC 327**
Other substances that may be useful or valuable and are not ordinarily considered to be waste, but will cause pollution if discharged into water in the state	into water	100 lbs	**30 TAC 327**

https://www.tceq.texas.gov/response/spills/spill_rq.html

If a spill or accidental discharge is to occur it will be promptly contained by the responsible persons. Any spills will be excavated and properly disposed of.

Attachment C – Sequence of Major Activities

Below is a list of the major activities that will take place in order to create the proposed dirt trails within the park. The nearest receiving water is Brushy Creek.

1. There will be clearing and grubbing along the areas where the trails will be built. Approximately 2.5 acres of the site will be cleared for the trails. Silt fence will be put in place downstream of the disturbance to ensure that any soil loosened in the process will be contained on the site in the event of a storm. The proposal aims to avoid tree removal, so tree protection will be installed.
2. Trail creation will take place after the clearing and grubbing. Approximately 2.5 acres of land will be used to allow for the packing of soil to create tread. The silt fence will still be in place from the initial installation and will be inspected to ensure it is still intact. Any damaged portions will be removed and replaced. A stabilized construction entrance will be used to prevent track out from the site.

Attachment D – Temporary Best Management Practices and Measures

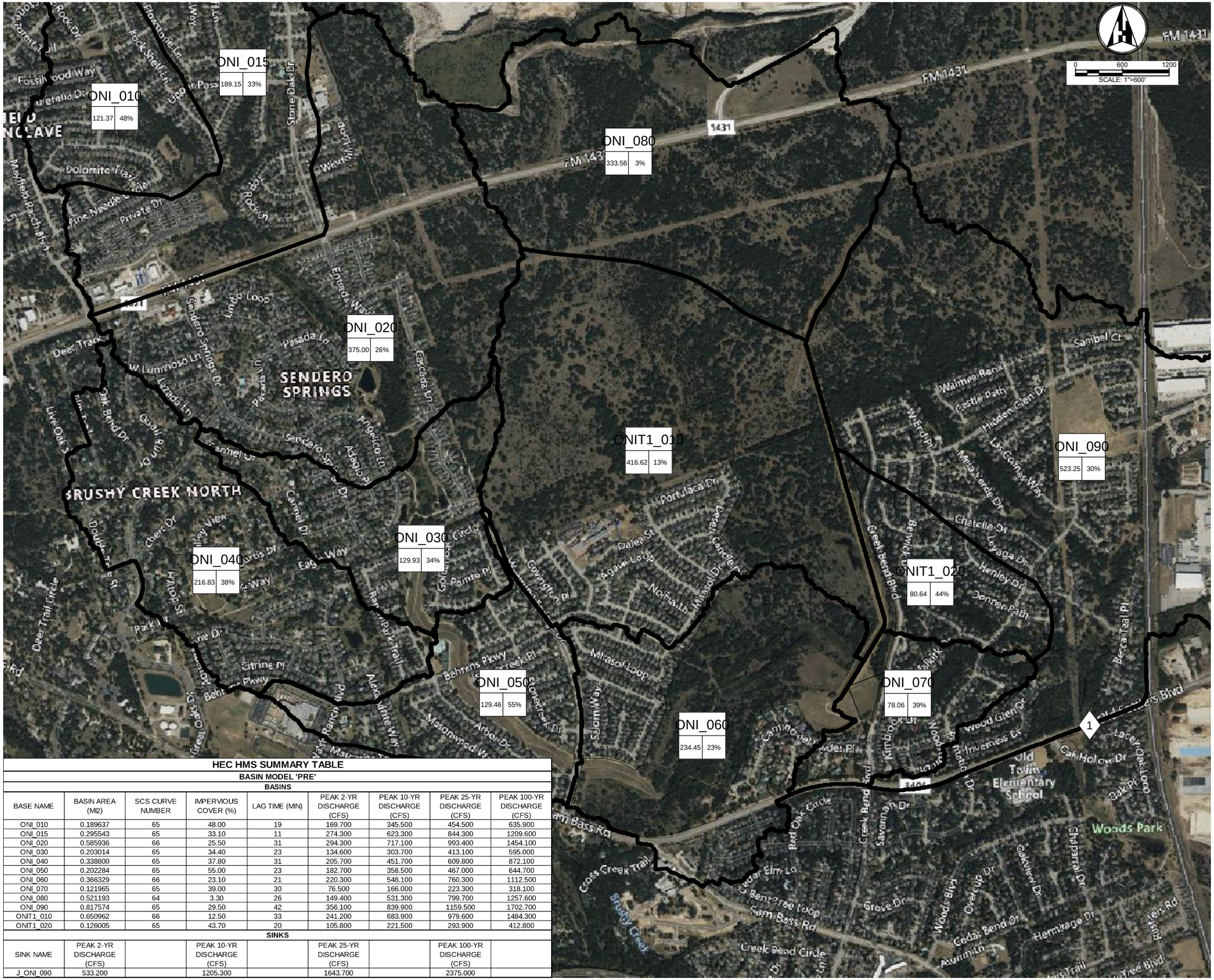
Several temporary BMPs will be utilized on the project site. A silt fence will be placed downstream of the site to prevent flows from picking up sediment and discharging from the site. A stabilized construction entrance will also be provided in order to prevent any vehicles entering or exiting the site from tracking out sediment into the street. Flows from the site will be contained in order to prevent them from entering surface streams, sensitive features, or the aquifer. There are three naturally occurring sensitive features identified on the site, marked as P-9, P-12, and P-13 in the Geologic Assessment. There are five more naturally occurring features identified on the site, all of which are referred to as non-karst closed depressions, and all five of these are not considered sensitive. There are six manmade features identified on the site, all of which are not considered sensitive.

Attachment F – Structural Practices

There are not any structural practices proposed on the site.

HPE
Civil Engineering

Attachment G – Drainage Area Map



HEC HMS SUMMARY TABLE

BASIN MODEL 'PRE'

BASINS

BASE NAME	BASIN AREA (MI2)	SCS CURVE NUMBER	IMPERVIOUS COVER (%)	LAG TIME (MIN)	PEAK 2-YR DISCHARGE (CFS)	PEAK 10-YR DISCHARGE (CFS)	PEAK 25-YR DISCHARGE (CFS)	PEAK 100-YR DISCHARGE (CFS)
ONI_010	0.189637	65	48.00	19	169.700	345.500	454.500	635.900
ONI_015	0.295543	65	33.10	11	274.300	623.300	844.300	1209.600
ONI_020	0.585936	66	25.50	31	294.300	717.100	993.400	1454.100
ONI_030	0.203014	65	34.40	23	134.600	303.700	413.100	595.000
ONI_040	0.338800	65	37.80	31	205.700	451.700	609.800	872.100
ONI_050	0.202284	65	55.00	23	182.700	358.500	467.000	644.700
ONI_060	0.366329	66	23.10	21	220.300	548.100	760.300	1112.500
ONI_070	0.121965	65	39.00	30	76.500	166.000	223.300	318.100
ONI_080	0.521193	64	3.30	26	149.400	531.300	799.700	1257.600
ONI_090	0.817574	65	29.50	42	356.100	839.900	1159.500	1702.700
ONIT1_010	0.650962	66	12.50	33	241.200	683.900	979.600	1484.300
ONIT1_020	0.126005	65	43.70	20	105.800	221.500	293.900	412.800

SINKS

SINK NAME	PEAK 2-YR DISCHARGE (CFS)		PEAK 10-YR DISCHARGE (CFS)		PEAK 25-YR DISCHARGE (CFS)		PEAK 100-YR DISCHARGE (CFS)	
J_ONI_090	533.200		1205.300		1643.700		2375.000	

LEGEND

DA 1 / 0.90 / 0%	DRAINAGE AREA LABEL AREA NAME, AREA (ACRES), IMPERVIOUS COVER PERCENTAGE
X	ANALYSIS POINT

NOTES:
1. THIS DRAINAGE AREA MAP WAS DEVELOPED USING THE BEST AVAILABLE HYDROLOGIC MODEL DEVELOPED WITH THE HYDROLOGIC ENGINEERING CENTER - HYDROLOGIC MODELING SYSTEM V3.5 (HEC-HMS) WAS OBTAINED FROM THE CITY OF ROUND ROCK (CORR) FOR UPPER BRUSHY CREEK.

Henderson Professional Engineers
600 ROUND ROCK WEST DRIVE, SUITE 604
ROUND ROCK, TX 78681
512.350.6228
PELS FIRM #F-22208
www.hendersonpe.com
Civil Engineering
WBE210166 | HUB 1853873845300

No.	REVISION
1	
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3	
4	
5	

EXHIBIT TO SERVE
BEHRENS RANCH
FM 3406
ROUND ROCK, TX, 78681

PRE-DEVELOPMENT DRAINAGE AREA MAP

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW ONLY. PREPARED BY JENNIFER L. HENDERSON, P.E. 118883 ON 02/09/2024. IT IS NOT TO BE USED FOR CONSTRUCTION OR PERMIT PURPOSES.

PROJECT NO. 230906	
02/09/2024	
DRAWN BY: DB	
CHECKED BY: AR	
APPROVED BY: JH	

PROJECT NUMBER [CITY_CASE_NO]

Plotted by: DavidRobles, Plot date: 08/02/2024
File name: C:\Users\David\OneDrive - HPE Civil Engineering\Documents - HPE Civil Engineering\Data\02 Projects\2023\230301 Behrens Ranch\07 Sheet\Exhibits\230301 Pre-Development Drainage Area Map.dwg

HEC HMS SUMMARY TABLE

BASIN MODEL 'POST'

BASINS

BASE NAME	BASIN AREA (MI2)	SCS CURVE NUMBER	IMPERVIOUS COVER (%)	LAG TIME (MIN)	PEAK 2-YR DISCHARGE (CFS)	PEAK 10-YR DISCHARGE (CFS)	PEAK 25-YR DISCHARGE (CFS)	PEAK 100-YR DISCHARGE (CFS)
ONI_010	0.189637	65	48.00	19	169.700	345.500	454.500	635.900
ONI_015	0.295543	65	33.10	11	274.300	623.300	844.300	1209.600
ONI_020	0.585936	66	25.50	31	294.300	717.100	993.400	1454.100
ONI_030	0.203014	65	34.40	23	134.600	303.700	413.100	595.000
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ONI_090	0.817574	65	29.50	42	356.100	839.900	1159.500	1702.700
ONIT1_010	0.650962	66	12.50	33	241.200	683.900	979.600	1484.300
ONIT1_020	0.126005	65	43.70	20	105.800	221.500	293.900	412.800

SINKS

SINK NAME	PEAK 2-YR DISCHARGE (CFS)	DIFFERENCE IN 2-YR PEAK (CFS)	PEAK 10-YR DISCHARGE (CFS)	DIFFERENCE IN 10-YR PEAK (CFS)	PEAK 25-YR DISCHARGE (CFS)	DIFFERENCE IN 25-YR PEAK (CFS)	PEAK 100-YR DISCHARGE (CFS)	DIFFERENCE IN 100-YR PEAK (CFS)
J_ONI_090	533.200	**0.000**	1205.300	**0.000**	1643.700	**0.000**	2375.000	**0.000**

LEGEND

DA 1 0.90 | 0%	DRAINAGE AREA LABEL AREA NAME, AREA (ACRES), IMPERVIOUS COVER PERCENTAGE
X	ANALYSIS POINT

NOTES:
1. THIS DRAINAGE AREA MAP WAS DEVELOPED USING THE BEST AVAILABLE HYDROLOGIC MODEL DEVELOPED WITH THE HYDROLOGIC ENGINEERING CENTER - HYDROLOGIC MODELING SYSTEM V3.5 (HEC-HMS) WAS OBTAINED FROM THE CITY OF ROUND ROCK (CORR) FOR UPPER BRUSHY CREEK.

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No.	REVISION
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EXHIBIT
TO SERVE
BEHRENS RANCH
FM 3406
ROUND ROCK, TX. 78681

POST-DEVELOPMENT DRAINAGE AREA MAP

THIS DOCUMENT IS RELEASED FOR THE PURPOSE OF PRELIMINARY REVIEW UNDER THE AUTHORITY OF JENNIFER L. HENDERSON, P.E. 116863 ON 07/09/2024. IT IS NOT TO BE USED FOR CONSTRUCTION OR PERMIT PURPOSES.

PROJECT NO. 230906	
02/08/2024	
DRAWN BY: DB	
CHECKED BY: AR	
APPROVED BY: JH	

PROJECT NUMBER [CITY_CASE_NO]

Plotted by: DavidRobles, Plot date: 08/02/2024
File name: C:\Users\David\OneDrive - HPE Civil Engineering\Documents - HPE Civil Engineering\Data\02 Projects\2023\230301 Behrens Ranch\07 Sheet\Exhibits\230301 Post-Development Drainage Area Map.dwg

Attachment I – Inspection and Maintenance for BMPs

The following inspection plan has been laid out for each BMP:

1. Silt fence
    a. Silt fence will be inspected monthly and after large rainfall events to ensure there are not any compromised points. If it is found that the silt fence is damaged it will be removed and replaced with new fence.
2. Stabilized Construction Entrance
    a. A stabilized construction entrance will be provided for the site. The construction entrance will be inspected on a monthly basis. If the aggregate becomes damaged or no longer prevents track out, it will be removed and replaced with new aggregate.
3. Tree Protection
    a. Tree protection will be installed at the beginning of the project. All tree protection will be inspected on a monthly basis. If the protection is damaged at any point during the construction process it will be replaced with adequate protection.

Attachment J – Schedule of Interim and Permanent Soil Stabilization Practices

The following inspection plan has been laid out for each soil stabilization practices:

1. Tree Protection
    a. Tree protection will be installed at the beginning of the project. All tree protection will be inspected on a monthly basis. If the protection is damaged at any point during the construction process it will be replaced with adequate protection.
2. Permanent Vegetation
    a. At the conclusion of construction, all disturbed areas will be re-seeded with permanent grass/vegetation.
    b. Bare soils should be seeded or otherwise stabilized within 14 calendar days after final grading or where construction activity has temporarily ceased for more than 21 days.

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

I Brooks Bennett,
Print Name

Asst. City Manager,
Title - Owner/President/Other

of City of Round Rock,
Corporation/Partnership/Entity Name

have authorized Jen Henderson, P.E.
Print Name of Agent/Engineer

of Henderson Professional Engineers
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.

CM-2023-229

SIGNATURE PAGE:

Applicant's Signature

10/6/23
Date

THE STATE OF Texas §

County of Williamson §

BEFORE ME, the undersigned authority, on this day personally appeared Brooks Bennett 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 6th day of October, 2023.

NOTARY PUBLIC

MONIQUE ADAMS
My Notary ID # 126257913
Expires March 22, 2026

MONIQUE ADAMS
Typed or Printed Name of Notary

MY COMMISSION EXPIRES: 3/22/2026

Application Fee Form

Texas Commission on Environmental Quality
Name of Proposed Regulated Entity: Behrens Ranch Metro Park
Regulated Entity Location: FM 3406, Round Rock, TX 78681
Name of Customer: Brooks Bennett
Contact Person: Jen Henderson, P.E. Phone: 512.350.6228
Customer Reference Number (if issued):CN CN600413181
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
Extension of Time	Each	$

Signature: _____ Date: 12/20/2023

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 Core Data Form

TCEQ Use Only

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.)*

☒ 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)*	Follow this link to search for CN or RN numbers in Central Registry**	3. Regulated Entity Reference Number *(if issued)*
CN 600413181		RN

SECTION II: Customer Information

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

☐ 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)* | *If new Customer, enter previous Customer below:*

City of Round Rock

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: ☐ Corporation ☐ Individual Partnership: ☐ General ☐ Limited

Government: ☒ City ☐ County ☐ Federal ☐ 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

☐ Occupational Licensee ☐ Responsible Party ☐ Voluntary Cleanup Applicant ☐ Other:

15. Mailing Address: 221 East Main Street

City	Round Rock	State	TX	ZIP	78664	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)*
(512) 218-7070		( ) -

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)*

☒ 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 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.)*

Behrens Ranch Metro Park

23. Street Address of the Regulated Entity: *(No PO Boxes)*	FM 3406						
	City	Round.Rock	State	TX	ZIP	78681	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
27. Latitude (N) In Decimal:	30.53143		28. Longitude (W) In Decimal:	-97.72045	
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)

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

Parks and Recreation

34. Mailing Address:	301 West Bagdad Avenue, Suite 250							
	City	Round Rock	State	TX	ZIP	78664	ZIP + 4	
35. E-Mail Address:								

36. Telephone Number	37. Extension or Code	38. Fax Number *(if applicable)*
( ) -		( ) -

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	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☐ Other:

SECTION IV: Preparer Information

40. Name:	Jen Henderson, P.E.	41. Title:	President
42. Telephone Number	43. Ext./Code	44. Fax Number	45. E-Mail Address
(512) 350-6228		( ) -	HPE@HendersonPE.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:	Henderson Professional Engineers	Job Title:	President
Name *(In Print)*:	Jen Henderson	Phone:	(512) 350- 6228
Signature:	Rand J. Cup for Jen Henderson	Date:	2/12/24